

NOVA SCHOOL OF BUSINESS AND ECONOMICS

ΤΗΕSIS

The Impact of Corporate Governance on Firm Performance:

A Case of CAC 40 Firms

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Table of Contents

Ab	stract	· · · · · · · · · · · · · · · · · · ·	5
1.	Intr	oduction	б
2.	Res	earch Aim and Objectives	7
2	2.1.	Introduction to the governance ecosystem in France	7
3.	Res	earch Question	7
4.	Lite	rature Review	8
5.	Met	hodology1	1
5	5.1.	Research Approach and Purpose	1
5	5.2.	Research Design	1
5	5.3.	Data Sources	2
5	5.4.	Sample Size	2
5	5.5.	Research Hypothesis	3
5	6.6.	Variables1	3
5	5.7.	The Corporate governance assessment Model (CGAM):	3
5	5.8.	Data Analysis and modelling14	4
5	5.9.	Ethical Considerations	5
6.	Res	ults and Discussion	5
6	5.1.	Descriptive Statistics	5
6	5.2.	Unitary vs Dual Systems performance	б
6	5.3.	Regression Analyses	8
7.	Cor	clusion and limitations	1
8.	Ref	erences	2
9.	App	pendices	б

Table of figures

Figure 1. Two Sample z-Test ROA	
Figure 2. Two Sample z-test ROCE	
Figure 3. Two Sample z-test ROIC	
Figure 4. ROA regression summary results	
Figure 5. ROCE regression summary results	
Figure 6. ROIC regression summary results	

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Abstract

There are several elements in business management that help increase financial efficiency, market positioning and overall firm performance which leads to generate confidence among investors, customers, suppliers and other stakeholders. One of these elements is corporate governance which covers the relationships between directors, the board, its shareholders and all those interested in the firm's performance and therefore provides the necessary structure to define and execute the strategic objectives of the company as well as the control exercised over said execution.

This study presents an assessment model based on supervisory board, investor relations, management team, and disclosure of information and analyses the relationship between different board systems, corporate governance and its characteristics with firm's performance through the financial results of CAC 40 Firms.

<u>Key words:</u> corporate governance, Performance, the board of directors, CAC40, demographic variables, cognitive diversity, France.

1. Introduction

Since the 1980s, the issues related to corporate governance (CG), such as corporate failure and collapse, corporate fraud, excess of executive remuneration, abuse of management power, and corporate social irresponsibility, have attracted much media attention (Sun, Stewart and Pollard, 2011). Many scholars, CG practitioners, and policy analysts have associated the increasingly circular nature and severity of global financial crisis to CG failures (Pollard, Steward and Sun, 2014; Erkens, Hung and Matos, 2012; Berger, Imbierowicz and Rauch, 2016). Moreover, the influence CG practices on firm performance has been a topic of discussion, especially in the fields of finance, accounting, and management (Akbar et al., 2016). The relationship between the two constructs is well-researched and has been widely debated in the context of both developed and developing countries (Christensen et al., 2015; Arora and Sharma, 2016; Yasser, Entebang and Mansor, 2015). The concern towards improving and reforming governance structure has emerged due to previous corporate collapses (Arora and Sharma, 2016). The failure to detect and prevent corporate scams, in the recent decades, has fuelled debates on the effectiveness and implementation of CG principles, rules, mechanisms, and structures (Sun et al, 2011).

It is observed that effective corporate governance (CG) practices direct organisations towards increasing corporate accountability and prosperity. From the economic perspective, it enables efficiency and results in higher return and profitability (Bai et al., 2004; Zabri, Ahmad and Wah, 2016). Effective CG practices help overcoming the agency problems and affect firm value via higher stock price multiples (Ammann, Oesch and Schmid, 2011), since investor perceive less cash flow diversion and anticipate higher dividends or interest from profits. Moreover, good CG declines costs of capital due to the reduction in shareholders' auditing and monitoring cost (Shleifer and Vishny, 1997). However, at the same time, there are costs associated with stronger governance mechanisms' implementation, which may outweigh the benefits (Bruno and Claessens, 2010). Still, majority of the previous literature has reported positive association between CF and firm valuation or performance (Bebchuk, Cohen and Ferrell, 2008; Bhagat and Bolton, 2008; Yasser et al., 2015), suggesting that stronger CG is related with higher firm value.

2. Research Aim and Objectives

This research aims to determine the impact of corporate governance (CG) on firm performance. It focuses on the case of CAC 40 index, which represents 40 most actively traded and largest shares listed on Euronext Paris. It is considered as the most widely used Paris stock market's indicator (Euronext, 2018). Following are the objectives of the study:

- 1. To explore the relationship between CG and firm performance in the light of pervious literature.
- 2. To propose a CG Assessment Model based on supervisory board, investor relations, management team, and disclosure of information.
- 3. To analyse the impact of CG characteristics and Board Systems on the financial performance of CAC 40 firms.

2.1. Introduction to the governance ecosystem in France

The code of corporate governance that all French listed companies refer to, is the AFEP - MEDEF code of corporate governance that was introduced in 2010 and revised in 2016. AFEP, "Association Française des Entreprises Privées", Represents more than 110 of the largest private groups operating in France. MEDEF, « Mouvement des Entreprises de France », is an employers' organization that represents French companies.

Each Organization reports in its annual review the achievements towards the progressive implementations of the code practices and recommendations.

3. Research Question

The main research question of the study is:

Does Corporate Governance practices positively influence performance of CAC 40 firms? The sub-questions are:

- 1. Does unitary board system positively influence of CAC 40 firms performance?
- 2. Does Dual board system positively influence of CAC 40 firms performance?

4. Literature Review

Numerous authors have studied the interrelation between corporate governance (CG) and firm's performance (Wang, Sami and Zhou, 2011; Siddiqui, 2015; Black et al, 2015). Some authors studied this relationship by using an individual measure of CG while others focused on using a composite measure (Arora and Sharma, 2016). The current research study is focused on analysing the impact of individual CG measures on firm's performance.

CG has now become an attractive subject of study for researchers, specifically after 2008 financial crisis (Erkens, Hung and Matos, 2012). Recent two decades reflects significant changes in CG structures (Gomez, 2005). Monks (1996) has discussed that numerous corporate failures result from ineffective CG structure. CG is a set of rules and regulations that guide firm's behaviour where ownership and management are separated (Claessens and Yurtoglu, 2013). CG is sometimes referred to regulatory activity, that can be implemented through internal and external factors to protect the interest of stakeholders and to resolve conflicts (Dalwai, Basiruddin and Abdul Rasid, 2015). Mohamed and Elewa (2016) describe that strong CG network help organisations in increasing their contribution towards the well-being of the economy that includes all stakeholders. Previous literature on CG has identified that there are several individual measures that help shareholders to identify that managers are acting in the best interest of the shareholders or not (Reddy, Locke and Scrimgeour, 2010). Denis (2001) suggests that these individual measures are classified as internal and external factors include board size, management ownership and independence of board while external factors include market competition, block ownership and level of debt financing.

A number of researchers have evaluated the relationship between CG and firm's performance by using different measures. Siddiqui (2015) have studied the link between the two constructs and classified CG mechanism into the internal and external mechanisms. Previous research has measured internal governance mechanism by the board of directors and block holders (Brown, Beekes and Verhoeven, 2011) while the external mechanism is measured by the market for corporate control and takeover (Cremers and Nair, 2005). Yasser et al. (2015) have established a relationship between four CG mechanisms and firm's performance. These four CG mechanisms include CEO and chairman duality, board composition, size of the board and the audit committee. Results of the study reflected the positive impact of board size and audit committee on firm's performance and the weak impact of CEO and chairman duality. Similarly, Bhagat and Bolton (2013), while studying the association between CG and firm's performance, considered five different measures of CG.

This study was based on the period 1998-2007. The five variables for measuring CG were CEO and Chairman Duality, board independence, G-Index, E-Index and director ownership. The authors observed a negative relationship between board independence and firm's performance till 2002 but after that, there was a shift in the relationship between both constructs. Moreover, it is observed that board independence and director's ownership positively correlate with firm's performance. It suggests that the two CG-based characteristics are favourable for improving firm performance.

Previous research has also assessed how CG impacts firm's performance (Arora and Sharma, 2016). The study was conducted on manufacturing sector for the period of 2001-2010. It suggested that having a larger board size provides great depth of intellectual knowledge, which results in improved decision making and enhanced firm's performance. But results concluded that there is no relationship between CG indicators and firm's performance. Erkens, Hung and Matos (2012) investigated the impact of GC on firm's performance during the financial crisis of 2008. It was observed that firms with higher institutional ownership and more independent board faced negative stock returns. The results can be explained by the fact that firms with higher institutional ownership had taken greater risk and as a result faced losses during the financial crisis.

The association between CG and firm's performance is also studied and explained with the help of agency theory (Sami, Wang and Zhou, 2011). Previous literature on agency theory suggests that strong corporate governance framework reduces firms cost and enhances firm's profitability. Brown and Caylor (2009) suggested that US firms that are better governed have higher accounting profits and performance. This study used a composite measure of corporate governance to study the impact of CG on firm's performance. This composite measure of CG can be developed by using individual CG attributes like board size, ownership independence etc. (Joh, 2003; Patibandla, 2006). Authors used ten individual CG factors to develop a composite to predict firm's performance. These ten individual CG factors include different role of Chairman and CEO, the number of independent outside directors, the relationship among top 10 shareholders, the percentage of stock owned by the state, the percentage of stock owned by a foreign investor, the percentage of stock owned by an institutional investor, the percentage of stock owned by directors and officers, the amount of stock owned by largest stockholder, the directors with more than one year of service and owning stock, and a board approving CEO succession plan. The result of this study suggests that there is a positive association between quality of CG and firms' performance.

Based on the data of listed companies in CAC 40, a recent study analysed the association between CG and firm's performance, considering board of directors' composition, CEO and Chairman Duality, board's size and gender diversity as a variable to measure CG; while firm's performance was measured by return on asset and return on equity (Ahmadi and Bouri, 2017). After analysing data, it is concluded that there is a positive relationship between CG and firm's performance (Ahmadi and Bouri, 2017). Another study investigated the relationship between CG and firm's performance. This relationship was studied on French 120 companies listed in the SBF120 index. This study focused on the influence of institutional investors on CG and how it impacts firm's performance. Results suggested that CG improves with the increase of share ownership of institutional investors, but there is no association between CG and performance of the firm (Mizuno, 2014). Moreover, another research was conducted to investigate the impact of independent and non-independent director on firm's performance using the data of 157 non-financial companies (Kumar and Singh, 2012). After analysing data, the authors concluded that proportion of independent directors has an insignificant positive effect on firm's performance. Ammann Oesch and Schmid (2011) studied the relationship between CG and firm's performance by using a set of 64 individual CG attributes. Two indices of equal weights were developed from these 64 individual CG attributes. Results showed a positive relationship between CG and firm's performance.

Similarly, Bistrova and Lace (2011) examined the relationship between GC and firm's performance by developing a CG assessment model. This CG assessment model was based 21 evaluation criteria to measure GC. These 21 criteria were classified into four broad categories that include Supervisory Board, Investor Relations, Management Team and Disclosure of Information. Supervisory board measured different variables such as frequency of meetings, committee structure, CEO and Chairman Duality, performance-based compensation, directors' independence etc. Investor relations were focused on evaluating the dividend policy and how well information regarding Annual General Meetings was shared. Management team measured variables like CEO background, reporting structure and stability. Disclosure of Information examined the degree of information disclosure with investors. After analysis, results concluded that companies with strong CG outperformed companies with weak CG. It shows that majority of the previous research on the subject has evaluated positive significant relationship between CG and firm performance.

The financial market in France is aware of the fact that CG plays a crucial role in the progress of any company. This has made French companies to adopt best CG practices. For

this reason, Institut français des administrateurs has developed a set of guidelines that can help firms to build a strong CG framework. Institut français des administrateurs (2015) suggested some factors that must be considered by every firm while developing CG framework. Authors have classified these factors into three broad terminologies named Balance, Performance and Transparency. The first broad category is Balance and this refers to balance in Board of Directors' structure, their membership, status and mission. The structure can be balanced by a variety of choices and balances the governance based on their specificities. Membership is balanced by increasing the number of independent directors along with the growth of female representation on board. Directors' status is defined in terms of director's remuneration that can be balanced compensating strategically. The performance focuses on developing an effective strategy that contributes towards company's success. Development of these strategies depends on men and women leading the board, specialised committees and directors' collective contribution. Transparency refers to sharing information and reports to shareholders and stakeholders, timely and honestly. This helps shareholders and stakeholders in making better decisions. These above-mentioned guidelines can help firms in developing a strong CG model.

5. Methodology

This section of the study is focused on describing research methods selected by researchers to study the relationship between CG and firm's performance. This section is considered a crucial part of the study that describes procedures adopted by the researcher to study the problem, analyse data and make conclusions.

5.1. Research Approach and Purpose

This section defines the approach used by the researcher to study the problem. Research approaches can be classified as a deductive and inductive approach. In this study, we have used deductive approach. The deductive approach focuses on developing hypothesis based on previous literature. Purpose of the study reflects the reason behind conducting a research. The reason could be either exploration, description or explanation. As previously, this problem has been discussed by multiple authors, therefore the purpose of this study is explanatory i.e. the author further explains the problem using a new dataset i.e. data of CAC 40 firms.

5.2. Research Design

Research design describes the overall strategy. It shows the methods that are used to study the problem. This section defines the type of data that will be used to study the problem. Since the objective of the study to explain the impact of CG characteristics on firm performance and the nature of study is quantitative; therefore, a correlation design is most suitable in this case. A correlation design examines statistical relationship between two or more variables. This analysis is supported with a regression analysis.

5.3. Data Sources

Data sources are classified as primary and secondary data sources. This study is focused on collecting data from secondary sources. Data that is previously collected by some other researcher or any data that is available on the internet and any other sources are called secondary data. Data required for this research analysis is gathered from companies' annual reports.

5.4. Sample Size

It is necessary for the researcher to determine the sample size before collecting data. The sample size is important because it is difficult for researchers to study the overall population. The sample size of this study is 30 companies listed on the CAC 40, which is a French stock market index. Data related to corporate governance variables and firm performance is collected for the financial period of 2016 and 2017.

10 companies were rejected from the research due to different reasons. Companies such as Credit Agricole, BNP Paribas, and Société general belongs to the banking industry. This sub-sector is heavy regulated after the 2008 crisis. Therefore, we cannot asses these companies with the same standard as we do for non-banking corporations. Adding to that, the factors that were decisive to reject more corporations from the research are:

- The origin and the nationality of the companies
- The headquarters geographical position of the companies
- the listing of the corporation.
- The non-reference to the AFEP-MEDEF Code of corporate governance

Among this group, we can find corporations such as Solvay, Unibail-Rodamco, ArcelorMittal, Technic FMC, Lafargeholcim Ltd, STMicroelectronics

5.5. Research Hypothesis

The main research hypothesis of the study is:

*H*₁: Corporate Governance practices are positively related to firm's performance

 H_{A1} : Unitary boards perform better compared to the companies with system of dual board.

The above hypothesis relates to supervisory board component of the corporate governance as highlighted by Bistrova and Lace (2011).

5.6. Variables

This study examines the relationship between CG and firm's performance. Corporate Governance variables are considered as 'Independent Variables' in this study while firm's performance is 'dependent variable'. Corporate Governance is defined as a set of rules and regulations that guide firm's behaviour where ownership and management are separated (Claessens and Yurtoglu, 2013). This study has identified various CG characteristics for measuring CG. These variables relate to supervisory board, investor relations, management team, and disclosure of information. However, for establishing relationships board system and independent directors' proportion are considered. All of these mentioned characteristics are condensed into one summary variable that gives a quantitative value for the CG of each company and that is explained through the following CGAM method.

5.7. The Corporate governance assessment Model (CGAM):

The corporate governance assessment model that we proposed to assess the CAC40 companies is originally designed by Julia BISTROVA and Natalja LACE in their paper on the influence of governance on stock performance" (Bistrova and Lace, 2011).

The new assessment model that results from investigating past literature review, incorporates demographic and cognitive diversity that a significant number of empirical

research showed a positive relationship between these mentioned variables and company performance.

The exact method of quantitative assessment for each characteristic and each company is attached in appendix 1. The results of such method for each company is attached in appendix 2 for 2016 and in appendix 3 for 2017. The method used a database containing the age and gender of the actual directors of each company, this information can be found in appendix 4.

Firm's performance is measured using ROA, ROIC, and ROCE. According to Ebaid (2009), accounting based measures of firm's performance can be calculated from financial statements and these performance measures include ROA, ROIC and ROCE.

5.8. Data Analysis and modelling

Quantitative data in this study is analysed by using 'descriptive statistics'. The relationship between CG variables and firm's performance is evaluated with the help of correlation and regression analysis. To keep the validity and reliability of this research only complete data on the variables necessary for this study will be used for the sample. Also, no outliers were identified so there was not any data treatment or adjustment.

The correlation analysis is sustained with a simple fixed effects regression as the data can be classified as panel or longitudinal data, and that is the same subject, a company, observed multiple times across time, 2016 and 2017. The fixed effects regression is used amongst the random effects regression because and the equation is the following one:

$$Y_i = \beta_0 + \beta_1 X + \varepsilon_{yi}$$

Where Y_i is the dependent variable determined by the ROA, ROIC and ROCE having three different models. X is the independent variable CG, β_0 is the intercept coefficient and β_1 is the slope coefficient that gives the behavior of the relationship between the firm's performance and the CG. Finally, ε_{vi} is the standard errors term.

The final database can be found at appendix 5. All the data analysis and statistical procedures are performed in the software STATA 14.0. All the lines of code used can be found in appendix 6.

5.9. Ethical Considerations

It is necessary for every researcher, that he/she must aware of ethical considerations related to conducting research. The researcher makes sure that data that is collected is free from any misrepresentation. The use of false data is strictly avoided during analysis. The highest level of objectivity is maintained throughout the study.

6. Results and Discussion

6.1. Descriptive Statistics

The descriptive statistics and correlation coefficients of the dependent and independent variables are shown in the following section.

Descriptive S	Statistics A	ll Firms			
Variable	Obs	Mean	Std. Dev.	Min	Max
ROA	60	4.17	2.77	-2.88	11.20
ROCE	60	11.72	7.87	-9.75	42.21
ROIC	60	7.44	4.91	-4.37	17.33
CG	60	13.75	1.22	11.00	16.00
	Table 1. D	escriptive S	tatistics All Com	panies	

Table 1. Descriptive Statistics All Companies

Table 1 shows the descriptive statistics for all the firms despite their board systems.

Variable	Obs	Mean	Std. Dev.	Min	Max
ROA	52	4.33	2.76	-2.88	11.20
ROCE	52	12.14	7.72	-9.75	42.21
ROIC	52	7.46	4.65	-4.37	17.33
CG	52	13.77	1.25	11.00	16.00

Table 2. Descriptive Statistics Unitary Firms

Descriptive	Statistics	Dual	Firms
-------------	-------------------	------	-------

Descriptive sta	msncs D	uai rum			
Variable	Obs	Mean	Std. Dev.	Min	Max
ROA	8	3.13	2.76	-2.25	7.27
ROCE	8	8.97	8.81	-8.60	17.70
ROIC	8	7.29	6.74	-3.91	16.71
CG	8	13.63	1.06	12.50	15.50
	Table 3	Descriptive	Statistics Dual F	irms	

Table 3. Descriptive Statistics Dual Firms

Table 2 shows the descriptive statistics for the firms with unitary board systems. Table 3 shows the descriptive statistics for the firms with dual board systems. In general terms, it can be seen how the mean of the performance indicators of the dual firms are considerably smaller than the ones observed for the unitary firms. However, the mean CG remains almost constant among the groups.

Correlation	coefficients			
	ROA	ROCE	ROIC	CG
ROA	1			
ROCE	0.8298*	1		
	0.0000			
ROIC	0.8426*	0.8729*	1	
	0.0000	0.0000		
CG	0.0035	0.0369	0.0196	1
	0.9790	0.7798	0.8816	

Table 4. Correlation coefficients

The correlation between the CG and the firm's performance indicators is not significant and it shows a weak relationship between the variables. It is important to say that, the within-panel correlation of two variables and the between-panel correlation of two variables do not have to be the same. In fact they can be of opposite sign. The use of correlations in panel data or longitudinal data can be misleading. Scientific considerations and the regression results should predominate after analyzing the correlation by itself.

6.2. Unitary vs Dual Systems performance

This section will allow to determine which board system performs better in terms of the financial ratios. Each ratio will be analyzed separately and conclude on the predominant results. To determine which board system group performs better the performance indicator means are tested using a z-test for mean comparison with known variance (Meng & Rosenthal, 1992).

The null hypothesis is the assumption of having equal means for each performance indicator between the unitary and the dual board systems.

$$\mu_{BS}-\mu_{US}=0$$

We reject the hypothesis if z < -1.96 or z > +1.96.

• ROA

For the ROA performance indicator, the z value is -1.14 thus accepting the null hypothesis and having equal performance between the groups.

Group	Obs	Mean	Std. Err.	Std. Dev.	[80% Conf.	Interval]
1	8	3.132025	.9758074	2.76	1.881478	4.382572
2	52	4.327769	.3827431	2.76	3.837264	4.818274
diff		-1.195744	1.048185		-2.539048	.1475592
diff = c diff =	mean(1) 0	- mean(2)			Z	= -1.1408
Ha: di	ff < 0		Ha: diff !=	0	Ha: d	iff > 0
)= (7 < =)	= 0.1270	Dr. ()	Z > z = 0	0 2540	Pr(Z > z) = 0.8730

Figure 1. Two Sample z-Test ROA

• ROCE

For the ROCE performance indicator, the z value is -0.96 thus accepting the null hypothesis and having equal performance between the groups. Same result as for the ROA.

Group	Obs	Mean	Std. Err.	Std. Dev.	[80% Conf.	Interval]
1	8	8.972713	3.114805	8.81	4.980929	12.9645
2	52	12.14107	1.070571	7.72	10.76907	13.51300
diff		-3.168355	3.293651		-7.389338	1.052629
diff = : diff =	= mean(1) · = 0	- mean(2)			Z	= -0.9620
	ff < 0		Ha: diff !=		Ha: d	

Figure 2. Two Sample z-test ROCE

• ROIC

For the ROIC performance indicator, the z value is -0.07 thus accepting the null hypothesis and having equal performance between the groups. Same result as for the ROA and the ROCE.

Group	Obs	Mean	Std. Err.	Std. Dev.	[80% Conf.	Interval]
1	8	7.286425	2.38295	6.74	4.232552	10.3403
2	52	7.457923	. 644839	4.65	6.631529	8.28431
diff		1714981	2.468657		-3.335209	2.99221
diff = : diff =	= mean(1) · 0	- mean(2)			z	= -0.069
Ha: di	.ff < 0		Ha: diff !=	0	Ha: d	iff > 0
	= 0.4723	Pr()	Z > z = 0	0.0446	D-(7) -) = 0.527

Figure 3. Two Sample z-test ROIC

The previous results show that despite having diffence between the means, the general performance indicators are not influenced by the type of board system. At a 80% level of confidence we can say that there is not enough evidence to claim the mean performance indicators of the ROA, ROCE and ROIC perform different according to the board system.

6.3. Regression Analyses

As mentioned before, the regression was performed as a fixed effects simple regression for the four dependent variables and firm's performance indicators. Each regression will add an impact for the conclusion regarding the main hypothesis The following are the results,

• ROA

Figure 1 summarizes the results of the regression and it can be seen that the CG has a positive impact on the ROA (+0.57). However, this relationship is not significant (p-value: 0.314) as suggested in the correlation analysis. It can be said that a 80% level of confidence, there is not enough evidence to claim there is a positive relationship between the CG and the ROA of a CAC40 firm. The model itself is not significant (F p-value: 0.3139) thus the CG can not fully explain the behavior of the ROA of such firms. This allows to reject the main hypothesis in terms of the ROA ratio.

Fixed-effects	(within) reg	ression		Number	of obs =	= 60
Group variabl	e: CMP			Number	of groups =	= 30
R-sq:				Obs per	group:	
within	= 0.0287				min =	= 2
between	= 0.0003				avg =	= 2.0
overall	= 0.0000				max =	= 2
				F(1,29)	-	= 1.05
corr(u_i, Xb)	= -0.2623			Prob >	F =	= 0.3139
_						
		(Sto	d. Err. a	adjusted	for 30 clust	ters in CMP)
	1					
		Robust		_		
ROA	Coef.	Robust Std. Err.	t	P> t	[80% Con:	f. Interval]
ROA	Coef.		t	P> t	[80% Cont	f. Interval]
ROA						
CG	.5723111	Std. Err.	1.02	0.314	1600391	1.304661
	.5723111	Std. Err.	1.02	0.314	1600391	1.304661
CG	.5723111	Std. Err.	1.02	0.314	1600391	1.304661
CG _cons sigma_u	.5723111 -3.700941	Std. Err.	1.02	0.314	1600391	1.304661
CG _cons	.5723111 -3.700941 2.6396862 1.605263	Std. Err.	1.02 -0.48	0.314 0.633	1600391 -13.77076	1.304661

Figure 4. ROA regression summary results

• ROCE

The ROCE ratio by the other hand, has an oppsite result and that is that the CG has a positive impact on the ROCE (+2.41). Moreover, this relationship is significant (p-value: 0.122) despite the suggested in the correlation analysis. It can be said that a 80% level of confidence, there is enough evidence to claim there is a positive relationship between the CG and the ROCE of a CAC40 firm. The model stands significant (F p-value: 0.1218) thus the CG can explain the variance of the ROCE of a firm. However, the model can only predict 1.4% of this variance according to the R-squared obtained.

Fixed-effects	(within) reg	ression		Number o	of obs =	= 6
Group variabl	e: CMP			Number o	of groups =	= 3
R-sq:				Obs per	group:	
within	= 0.0549				min =	-
between :	= 0.0001				avg =	= 2.
overall	= 0.0014				max =	-
				F(1,29)	-	= 2.5
corr(u_i, Xb)	= -0.3501	(St	d. Err. (Prob > F adjusted f	or 30 clust	= 0.121 ers in CMP
corr(u_i, Xb)	= -0.3501	(St.	d. Err. (
corr(u_i, Xb)				adjusted f	for 30 clust	ers in CMP
	Coef.	Robust	t	adjusted f P> t	for 30 clust	ers in CMP f. Interval
ROCE	Coef. 2.419019	Robust Std. Err.	t 1.59	adjusted f P> t 0.122	for 30 clust [80% Conf .4287797	ers in CMP . Interval 4.40925
ROCE	Coef. 2.419019	Robust Std. Err. 1.517605	t 1.59	adjusted f P> t 0.122	for 30 clust [80% Conf .4287797	ers in CMP . Interval 4.40925
ROCE CG _cons	Coef. 2.419019 -21.54288	Robust Std. Err. 1.517605	t 1.59	adjusted f P> t 0.122	for 30 clust [80% Conf .4287797	ers in CMP . Interval 4.40925

Figure 5. ROCE regression summary results

With the data depicted in figure 2, the following model equation can be constructed thus accepting the main hypothesis:

$$Y_i = -21.54 + 2.42X$$

• ROIC

Finally, figure 3 summarizes the results of the regression for the ROIC and the results are similar to the first ratio. The CG has a positive impact on the ROA (+0.47) but is not significant (p-value: 0.564). It can be said that a 80% level of confidence, there is not enough evidence to claim there is a positive relationship between the CG and the ROIC of a CAC40 firm. The model itself is not significant (F p-value: 0.5637) thus rejecting the main hypothesis in terms of the ROIC ratio.

. xtreg ROIC	CG, fe vce(clu	uster CMP) le	vel(80)			
Fixed-effects	(within) reg	ression		Number o	of obs =	60
Group variabl	e: CMP			Number o	of groups =	30
R-sq:				Obs per	group:	
within	= 0.0088			-	min =	2
between	= 0.0001				avg =	2.0
overall	= 0.0004				max =	2
				F(1,29)	=	0.34
corr(u_i, Xb)	= -0.1021	(8+4	Fr	Prob > 1	F =	0.5637
corr(u_i, Xb)	= -0.1021	(Std Robust	. Err. a	Prob > 1		0.5637
corr(u_i, Xb)				Prob > 1	F =	0.5637 ers in CMP)
	Coef.	Robust	t	Prob > 1 adjusted f P> t	F =	0.563 ers in CMP) Interval]
ROIC	Coef. .4682704	Robust Std. Err.	t 0.58	Prob > 1 adjusted 1 P> t 0.564	F = for 30 cluste [80% Conf.	0.563 ers in CMP) Interval] 1.51982
ROIC	Coef. .4682704	Robust Std. Err. .8018325	t 0.58	Prob > 1 adjusted 1 P> t 0.564	F = for 30 cluste [80% Conf. 5832798	0.563 ers in CMP) Interval] 1.51982
ROIC CG _cons	Coef. .4682704 .9963391 4.6722922	Robust Std. Err. .8018325	t 0.58	Prob > 1 adjusted 1 P> t 0.564	F = for 30 cluste [80% Conf. 5832798	0.563 ers in CMP) Interval] 1.51982

Figure 6. ROIC regression summary results

Having a summary of the obtained results as shown in table 4, it can be said that this study has not found a strong relationship between the CG of a CAC40 firm and how it performs in terms of its main financial ratios, ROA, ROCE and ROIC. The relationship can be assumed to be weak and exists because of the ROCE ratio.

Hypothesis acceptance comparison

Hypothesis	ROA	ROCE	ROIC
H1	Rejected	Accepted	Rejected
	Table 5. Hypothese	s acceptance comparis	on

The regressions were run for the three performance indicators grouping the observations according to the board system. The obtained results were very similar for both groups but for all indicators, the unitary board group showed a strong positive relationship answering positively to the research sub-question 1 and negatively to the sub-question 2. The unitary board system does have a better impact in the performance indicators of the CAC40 firms.

7. Conclusion and limitations

Based on the results obtained, this study find a small positive impact of the CG variables on the CAC 40 companies. This does not mean that the CG is not important for the firm's performance since it was widely described in this report, the literature supports such a fact. However, it is necessary to identify quantitative variables that describe the approach used by a company in terms of its CG, likewise reiterates the recommendation to expand both the number of companies and years that make up the sample for further research and thus increase the possibility of finding the aforementioned impact of CG variables on the performance of CAC40 companies.

The main limitation that was found during this study is related to the amount of data available for the statistical analysis since having two years of information limits the quality of the applied regression and the correlation between the analyzed variables, putting at risk the certainty of the results obtained. Therefore, it is suggested to extend the size of the sample to 10 years for further research in order to include possible behaviors during particular stages of the markets as an economic resection among other elements. Likewise, it is suggested to have a larger sample of companies.

Regarding the method of measuring corporate governance, it is also suggested to resort to less qualitative measures to reduce subjectivity in the analysis of this variable, for example, ratios that represent corporate transparency through correct accounting within the company. However, this could imply that companies incorporate a series of indicators designed for this purpose and that in this way they may be available for investigations such as this one.

8. References

- Ahmadi, A. and Bouri, A., 2017. Board of directors' composition and performance in French CAC 40 listed firms. *Accounting*, *3*(4), pp.245-256.
- Akbar, S., Poletti-Hughes, J., El-Faitouri, R. and Shah, S.Z.A., 2016. More on the relationship between corporate governance and firm performance in the UK: Evidence from the application of generalized method of moments estimation. *Research in International Business and Finance*, *38*, pp.417-429.
- Ammann, M., Oesch, D. and Schmid, M.M., 2011. Corporate governance and firm value: International evidence. *Journal of Empirical Finance*, *18*(1), pp.36-55.
- Arora, A. and Sharma, C., 2016. Corporate governance and firm performance in developing countries: evidence from India. *Corporate Governance*, *16*(2), pp.420-436.
- Bai, C.E., Liu, Q., Lu, J., Song, F.M. and Zhang, J., 2004. Corporate governance and market valuation in China. *Journal of comparative economics*, *32*(4), pp.599-616.
- Bebchuk, L., Cohen, A. and Ferrell, A., 2008. What matters in corporate governance?. *The Review of financial studies*, 22(2), pp.783-827.
- Berger, A.N., Imbierowicz, B. and Rauch, C., 2016. The roles of corporate governance in bank failures during the recent financial crisis. *Journal of Money, Credit and Banking*, 48(4), pp.729-770.
- Bhagat, S. and Bolton, B., 2008. Corporate governance and firm performance. *Journal of corporate finance*, *14*(3), pp.257-273.
- Bhagat, S. and Bolton, B., 2013. Director ownership, governance, and performance. *Journal* of Financial and Quantitative Analysis, 48(1), pp.105-135.
- Bistrova, J. and Lace, N., 2011. Evaluation of Corporate Governance Influence on Stock Performance of CEE Companies. WMSCI 2011 Proceedings I, United States of America, Orlando, 19(22), pp.59-64.
- Black, B.S., Kim, W., Jang, H. and Park, K.S., 2015. How corporate governance affect firm value? Evidence on a self-dealing channel from a natural experiment in Korea. *Journal of banking & finance*, 51, pp.131-150.

- Brown, L.D. and Caylor, M.L., 2009. Corporate governance and firm operating performance. *Review of quantitative finance and accounting*, *32*(2), pp.129-144.
- Brown, P., Beekes, W. and Verhoeven, P., 2011. Corporate governance, accounting and finance: A review. *Accounting & finance*, *51*(1), pp.96-172.
- Bruno, V. and Claessens, S., 2010. Corporate governance and regulation: can there be too much of a good thing?. *Journal of Financial Intermediation*, *19*(4), pp.461-482.
- Christensen, J., Kent, P., Routledge, J. and Stewart, J., 2015. Do corporate governance recommendations improve the performance and accountability of small listed companies?. *Accounting & Finance*, *55*(1), pp.133-164.
- Claessens, S. and Yurtoglu, B.B., 2013. Corporate governance in emerging markets: A survey. *Emerging markets review*, *15*, pp.1-33.
- Corporate Governance in French listed companies, an investor guide. (2015) Institut Français des Administrateurs. Available at: http://www.expertscomptables.fr/sites/default/files/asset/document/gouvernance_en_france_2015_versio n_anglaise_0.pdf (Accessed: 26th April 2018).
- Cremers, K.J., and Nair, V.B., 2005. Governance mechanisms and equity prices, *The Journal* of *Finance*, Vol. 60 No. 6, pp. 2859-2894
- Dalwai, T.A.R., Basiruddin, R. and Abdul Rasid, S.Z., 2015. A critical review of relationship between corporate governance and firm performance: GCC banking sector perspective. Corporate Governance, 15(1), pp.18-30.
- Denis, D.K., 2001. Twenty-five years of corporate governance research. . . and counting. Review of Financial Economics 10, 191-212.
- Ebaid, I. E., 2009. The impact of capital structure choice on firm performance: empirical evidence from Egypt, The Journal of Risk Finance, 10(5): 477 -487.
- Erkens, D.H., Hung, M. and Matos, P., 2012. Corporate governance in the 2007–2008 financial crisis: Evidence from financial institutions worldwide. *Journal of corporate finance*, 18(2), pp.389-411.
- Euronext., 2018. Country and Cross Border Indices. Retrieved from https://www.euronext.com/pt-pt/indices/index-types/country-and-cross-border-indices

- Gomez, L.R., 2005. A Theory of Global Strategy and Firm Efficiencies: Considering the Effects of Cultural Diversity. *Journal of Management*, 25 (4), 587-606.
- Joh, S.W., 2003. Corporate governance and firm profitability: evidence from Korea before the economic crisis. *Journal of financial Economics*, 68(2), pp.287-322.
- Mizuno, M., 2014. Corporate governance, institutional investors, and firm performance in France. *Journal of Business and Finance*, *2*(1), pp.33-46.
- Meng, X. L., Rosenthal, R., & Rubin, D. B. (1992). Comparing correlated correlation coefficients. Psychological bulletin, 111(1), 172.
- Mohamed, W.S. and Elewa, M.M., 2016. The Impact of Corporate Governance on Stock Price and Trade Volume. *International Journal of Accounting and Financial Reporting*, 6(2), pp.27-44.
- Monks, K., 1996. Global versus Local: Managing Human Resources in the Multinational Company. Evidence from some Irish subsidiaries. *International Journal of Human Resource Management*, 7(3): 721-735.
- Patibandla, M., 2006. Equity pattern, corporate governance and performance: A study of India's corporate sector. *Journal of Economic Behavior & Organisation*, 59(1), pp.29-44.
- Pollard, D.S., Stewart, D. and Sun, W., 2014. *Corporate governance and Global Financial Crisis.* London: Springer
- Reddy, K., Locke, S. and Scrimgeour, F., 2010. The efficacy of principle-based corporate governance practices and firm financial performance: An empirical investigation. *International Journal of Managerial Finance*, 6(3), pp.190-219.
- Sami, H., Wang, J. and Zhou, H., 2011. Corporate governance and operating performance of Chinese listed firms. *Journal of International Accounting, Auditing and Taxation*, 20(2), pp.106-114.
- Sami, H., Wang, J. and Zhou, H., 2011. Corporate governance and operating performance of Chinese listed firms. *Journal of International Accounting, Auditing and Taxation*, 20(2), pp.106-114.

- Shleifer, A. and Vishny, R.W., 1997. A survey of corporate governance. *The journal of finance*, *52*(2), pp.737-783.
- Siddiqui, S.S., 2015. The association between corporate governance and firm performance–a meta-analysis. International Journal of Accounting and Information Management, 23(3), pp.218-237.
- Siddiqui, S.S., 2015. The association between corporate governance and firm performance–a meta-analysis. International Journal of Accounting and Information Management, 23(3), pp.218-237.
- Sun, W., Stewart, J. and Pollard, D. eds., 2011. *Corporate governance and the global financial crisis: International perspectives*. Cambridge University Press.
- Yasser, Q., Entebang, H. and Mansor, S., 2015. Corporate governance and firm performance in Pakistan: The case of Karachi Stock Exchange (KSE)-30.
- Zabri, S.M., Ahmad, K. and Wah, K.K., 2016. Corporate governance practices and firm performance: Evidence from top 100 public listed companies in Malaysia. *Procedia Economics and Finance*, 35, pp.287-296.

9. Appendices

Appendix 1: Corporate Governance Assessment Model

	Co	orporate Governance Assess	ment Model	
		Worst (0)	Neutral (0,5)	Best (1)
	Independence of directors	0-50%	50-75%	75-100%
	Performance-based compensation	NO	Partial	for all members
	Diversified backgrounds of directors	Concentrated	Average	Diversified
	CEO/Chairman position separated	NO		YES
Supervisory	Size of the board of directors	More than 10	Less than 5	Between 5 and 10
Board/BoD	Directors average age	age < 60 or age < 40		40< age <60
Dourd/DOD	Stability of BoD	30% and more change	10-30% member change	0-10% member change
	Board Gender diversity	Less than 35%	between 35% and 45%	Between 45% and 50%
	Committee structure	Less than 4 committees	More than 4 committees	4 committees
	Frequency of Elections	Once in more than 3 years	Once in 3 years	Once in 1 year
	Frequency of meetings	<4 and >10 meetings	4-5 and 9-10 meetings	6-8 meetings
Sub-total		0	5,5	11
	Stability	30% and more	10-30% member change	0-10% member change
Management Team	CEO Age	age > 65 or age < 40		40 < age <65
	CEO Background	irrelevant	not very relevant	relevant
Sub-total		0	1,5	3
Investor	Information regarding AGM	NO	Not explicit	YES
Relations/AGM	Dividend policy	NO	Not 100% clear	YES
Sub-total		0	1	2
Disclosure of	Ownership Structure	NO		YES
information	Info on BoD	NO	Not explicit	YES
mormation	Info on mgmt	NO	Not explicit	YES
Sub-total		0	1,5	3
Total		0	9,5	19

Appendix 2: 2016 Assessment Data

						Super	visory Boa	rd/BoD				Ma	nagement Te	eam	Inve	stor Relations/	AGM	Disclos	sure of infor	mation
COMPANY	BOARD SYSTEM	CEO - Chairman	Directors Independence	BOD Stability	Meetings frequency	Elections Frequency	Diversified background of directors	Committee structure	Performance- based compensation	Size of the directors board	Directors average age	Board Gender diversity	Management Stability	CEO Age	CEO Background	Information regarding AGM	Dividend policy	Info on management	Info on BOD	Ownership Structure
Accor	Unitary	Yes	56,25%	12%	4	3	diversified	over 4 comm	for all members	13	51,5	46,15%	21%	54	not very relevant	yes	yes	yes	yes	yes
Air Liquide	Unitary	Yes	66,67%	17%	9	3	average	less than 4 committees	for all members	12	57,5	41,66%	9%	58	relevant	yes	yes	yes	yes	yes
Axa	Unitary	No	71,43%	0%	11	4	diversified	less than 4 committees	for all members	14	59	42,85%	0%	44	relevant	yes	yes	yes	yes	yes
Atos	Unitary	Yes	70,00%	8%	4	3	average	over 4 comm	for all members	12	58,2	50,00%	8%	61	relevant	yes	Not 100% clear	yes	yes	no
Bouygues	Unitary	Yes	41,67%	13%	10	3	diversified	less than 4 committees	for all members	15	55,9	46,66%	0%	64	relevant	yes	yes	yes	yes	yes
Cap Gemini	Unitary	Yes	61,54%	19%	6	4	diversified	4 committees	for all members	16	61	46,00%	8%	64	relevant	yes	yes	yes	yes	yes
Carrefour	Unitary	Yes	52,94%	8%	4	3	average	over 4 comm	for all members	19	60	36,84%	0%	43	not very relevant	yes	yes	yes	yes	yes
Danone	Unitary	No	71,43%	13%	3	3	diversified	4 committees	for all members	16	54	31,25%	12%	52	relevant	yes	yes	yes	yes	yes
Engie	Unitary	No	42,11%	26%	9	2	diversified	4 committees	for all members	19	56	42,10%	8%	49	relevant	yes	yes	yes	yes	yes
Essilor International	Unitary	Yes	53,67%	15%	5	2	diversified	less than 4 committees	for all members	13	58	42,00%	0%	61	relevant	yes	yes	yes	yes	yes
Kering	Unitary	Yes	60,00%	9%	4	4	diversified	4 committees	for all members	11	52	64,00%	9%	54	relevant	yes	yes	yes	yes	yes
L'Oreal	Unitary	Yes	50,00%	20%	5	3	diversified	4 committees	no	15	56	46,00%	12%	60	relevant	yes	Not 100% clear	yes	yes	no
Legrand	Unitary	Yes	59,00%	10%	4	3	average	4 committees	for all members	10	55	50,00%	0%	57	relevant	yes	Not 100% clear	yes	yes	yes
LVMH	Unitary	Yes	60,00%	7%	6	4	diversified	less than 4 committees	for all members	15	60	41,00%	0%	67	irrelevant	yes	yes	yes	yes	yes
Michelin	Dual	No	66,67%	15%	3	4	diversified	less than 4 committees	for all members	9	60	44,44%	12%	63	not very relevant	yes	yes	yes	yes	yes
Orange	Unitary	Yes	46,67%	26%	8	4	diversified	less than 4 committees	no	15	55	40,00%	0%	55	not very relevant	yes	yes	yes	yes	yes
Pernod Ricard	Unitary	Yes	42,86%	0%	8	4	Average	over 4 comm	for all members	13	51	38,46%	32%	44	relevant	yes	yes	yes	yes	yes
Peugeot	Dual	No	66,67%	11%	3	4	diversified	less than 4 committees	for all members	17	56	33,33%	27%	58	relevant	yes	yes	yes	yes	yes
Publicis Groupe SA	Dual	No	66,67%	0%	3	4	diversified	over 4 comm	for all members	12	60	50,00%	0%	44	relevant	yes	yes	yes	yes	yes
Renault	Unitary	Yes	66,37%	6%	5	3	diversified	over 4 comm	for all members	19	55	31,25%	13%	62	relevant	yes	yes	yes	yes	yes
Safran	Unitary	No	53,78%	11%	9	3	diversified	4 committees	for all members	17	58	40,00%	0%	64	relevant	yes	yes	yes	yes	yes
Saint Gobain	Unitary	Yes	57,14%	14%	10	4	diversified	less than 4 committees	for all members	14	56	42,00%	17%	58	relevant	yes	yes	yes	yes	yes
Sanofi	Unitary	No	68,75%	0%	11	4	average	over 4 comm	for all members	16	59	43,00%	29%	60	relevant	yes	yes	yes	yes	yes
Schneider Electric	Unitary	Yes	69,23%	0%	3	4	diversified	4 committees	for all members	13	58	40,00%	11%	53	relevant	yes	yes	yes	yes	yes
Sodexo	Unitary	No	42,86%	14%	12	4	diversified	less than 4 committees	for all members	14	58	50,00%	8%	64	relevant	yes	yes	yes	yes	yes
Total	Unitary	Yes	33,33%	9%	5	3	diversified	4 committees	for all members	12	60	50,00%	31%	53	relevant	yes	yes	yes	yes	yes
Valeo SA	Unitary	Yes	91,67%	0%	7	4	diversified	4 committees	for all members	12	61	41,66%	7%	61	not very relevant	yes	yes	yes	yes	yes
Veolia Environnement	Unitary	Yes	52,94%	12%	5	2	diversified	4 committees	for all members	17	57	40,00%	0%	58	relevant	Not explicit	yes	yes	yes	no
Vinci	Unitary	Yes	60,00%	0%	9	3	diversified	less than 4 committees	no	14	59	42,85%	19%	61	relevant	yes	yes	yes	yes	yes
Vivendi	Dual	No	51,00%	0%	4	3	diversified	less than 4 committees	for all members	12	51	50,00%	10%	52	relevant	yes	yes	yes	yes	yes

					Supe	rvisory Boar	d/BoD					Man	agement	Геат	Investor Rela	tions/AGM	Disclosu	ire of info	rmation	
COMPANY	CEO - Chairman	Directors Independence	BOD Stability	Meetings frequency	Elections Frequency	Diversified background of directors	Committee structure	Performance- based compensation	Size of the directors board	Directors average age	Board Gender diversity	Management Stability	CEO Age	CEO Background	Information regarding AGM	Dividend policy	Info on management	Info on BoD	Ownership Structure	Total
Accor	0	0,5	0,5	1	0,5	1	0,5	1	0	1	1	0,5	1	0,5	1	1	1	1	1	14
Air Liquide	0	0,5	0,5	0	0,5	0,5	0	1	0	1	0,5	1	1	1	1	1	1	1	1	12,5
Axa	1	0,5	1	1	0	0,5	0	1	0	1	1	1	1	1	1	1	1	1	1	15
Atos	0	0,5	1	1	0,5	1	1	1	0	1	0,5	1	1	1	1	0,5	1	1	0	14,0
Bouygues	0	0	0,5	0,5	0,5	1	0	1	0	1	1	1	1	1	1	1	1	1	1	13,5
Cap Gemini	0	0,5	0,5	1	0	1	1	1	0	0	1	1	1	1	1	1	1	1	1	14
Carrefour	0	0,5	1	0	0,5	0,5	0,5	1	0	0	0,5	1	1	0,5	1	1	1	1	1	12
Danone	1	0,5	0,5	1	0,5	1	1	1	0	1	0	0,5	1	1	1	1	1	1	1	15
Engie	1	0	0,5	1	0,5	1	1	1	0	1	0,5	1	1	1	1	1	1	1	1	15,5
Essilor International	0	0,5	0,5	1	0,5	1	0,5	1	0	1	0,5	1	1	1	1	1	1	1	1	14,5
Kering	0	0,5	1	0,5	0	1	1	1	0	1	1	1	1	1	1	0,5	1	1	1	14,5
L'Oreal	0	0,5	1	1	0,5	0,5	1	1	1	1	1	1	1	1	1	0,5	1	1	0	15
Legrand	0	0,5	0,5	1	0,5	1	1	0	0	1	1	0,5	1	1	1	1	1	1	1	14
LVMH	0	0,5	1	1	0	1	0	1	0	1	0,5	1	0	0	1	1	1	1	1	12
Michelin	1	0,5	0,5	0	0	1	0	1	1	1	0,5	0,5	1	0,5	1	1	1	1	1	13,5
Orange	0	0	0,5	1	0	1	0	0	0	1	0,5	1	1	0,5	1	1	1	1	1	11,5
Pernod Ricard	0	0	1	1	0	0,5	0,5	1	0	1	0,5	0	1	1	1	1	1	1	1	12,5
Peugeot	1	0,5	0,5	0,5	0	1	0	1	0	1	0	0,5	1	1	1	1	1	1	1	13
Publicis Groupe SA	1	0,5	1	1	0	1	0,5	1	0	1	1	1	1	1	1	1	1	1	1	16
Renault	0	0,5	1	0	0,5	1	0,5	1	0	1	0	0,5	1	1	1	1	1	1	1	13
Safran	1	0,5	0,5	0	0,5	1	1	1	0	1	0,5	1	1	1	1	1	1	1	1	15
Saint Gobain	0	0,5	0,5	0,5	0	1	0	1	0	1	0,5	0,5	1	1	1	1	1	1	1	12,5
Sanofi	1	0,5	1	0,5	0	0,5	0,5	1	0	1	0,5	0,5	1	1	1	1	1	1	1	14
Schneider Electric	0	0,5	1	1	0	1	1	1	0	1	0,5	0,5	1	1	1	1	1	1	1	14,5
Sodexo	1	0	0,5	1	0	1	0	1	0	1	1	1	1	1	1	1	1	1	1	14,5
Total	0	0	1	0,5	0,5	1	1	1	0	1	0,5	0	1	1	1	1	1	1	1	13,5
Valeo SA	0	1	0,5	1	0	1	1	1	0	1	0,5	1	1	0,5	1	1	1	1	1	14,5
Veolia Environnement	0	0,5	0,5	1	0,5	1	1	1	0	1	0,5	1	1	1	0,5	1	1	1	0	13,5
Vinci	0	0,5	1	0	0,5	1	0	0	0	1	0,5	0,5	1	1	1	1	1	1	1	12
Vivendi	1	0,5	0,5	0,5	0,5	1	0	1	0	1	1	1	1	1	1	1	1	1	1	15

Appendix 3	: 2017	Assessment	Data
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						Super	rvisory Boa	rd/BoD				Ma	anagement T	eam	Inve	stor Relations/	AGM	Disclo	sure of infor	rmation
COMPANY	BOARD SYSTEM	CEO - Chairman	Directors Independence	BOD Stability	0	Elections Frequency	Diversified background of directors	Committee structure	Performance- based compensation	Size of the directors board	Directors average age	Board Gender diversity	Management Stability	CEO Age	CEO Background	Information regarding AGM	Dividend policy	Info on management	Info on BOD	Ownership Structure
Accor	Unitary	Yes	56,25%	0%	6	3	diversified	over 4 comm	for all members	13	52,5	46,15%	21%	55	not very relevant	yes	yes	yes	yes	yes
Air Liquide	Unitary	Yes	66,67%	17%	3	3	average	less than 4 committees	for all members	12	58,5	41,66%	9%	59	relevant	yes	yes	yes	yes	yes
Axa	Unitary	No	71,43%	0%	8	4	diversified	4 committees	for all members	14	60	42,85%	0%	45	relevant	yes	yes	yes	yes	yes
Atos	Unitary	Yes	70,00%	8%	7	3	average	over 4 comm	for all members	12	59,2	50,00%	8%	62	relevant	yes	Not 100% clear	yes	yes	no
Bouygues	Unitary	Yes	41,67%	13%	5	3	diversified	less than 4 committees	for all members	15	56,9	46,66%	0%	65	relevant	yes	yes	yes	yes	yes
Cap Gemini	Unitary	Yes	61,54%	19%	6	4	diversified	4 committees	for all members	16	62	46,00%	8%	65	relevant	yes	yes	yes	yes	yes
Carrefour	Unitary	Yes	52,94%	8%	3	3	average	over 4 comm	for all members	19	61	36,84%	0%	44	not very relevant	yes	yes	yes	yes	yes
Danone	Unitary	No	71,43%	13%	6	3	diversified	4 committees	for all members	16	55	31,25%	12%	53	relevant	yes	yes	yes	yes	yes
Engie	Unitary	No	42,11%	26%	6	2	diversified	4 committees	for all members	19	57	42,10%	8%	50	relevant	yes	yes	yes	yes	yes
Essilor International	Unitary	Yes	53,67%	15%	8	2	diversified	4 committees	for all members	13	59	46,15%	0%	62	relevant	yes	yes	yes	yes	yes
Kering	Unitary	Yes	60,00%	9%	4	4	diversified	4 committees	for all members	11	53	64,00%	9%	55	relevant	yes	yes	yes	yes	yes
L'Oreal	Unitary	Yes	50,00%	20%	6	3	diversified	4 committees	no	15	57	46,00%	12%	61	relevant	yes	Not 100% clear	yes	yes	no
Legrand	Unitary	Yes	70,00%	10%	6	3	average	4 committees	for all members	10	56	50,00%	0%	58	relevant	yes	yes	yes	yes	yes
LVMH	Unitary	Yes	60,00%	7%	6	4	diversified	less than 4 committees	for all members	15	61	41,00%	0%	68	irrelevant	yes	yes	yes	yes	yes
Michelin	Dual	No	66,67%	0%	1	4	diversified	less than 4 committees	for all members	9	61	44,44%	8%	64	not very relevant	yes	yes	yes	yes	yes
Orange	Unitary	Yes	46,67%	26%	8	4	diversified	less than 4 committees	no	15	56	40,00%	0%	56	not very relevant	yes	yes	yes	yes	yes
Pernod Ricard	Unitary	Yes	42,86%	0%	8	4	diversified	over 4 comm	for all members	13	52	38,46%	32%	45	relevant	yes	yes	yes	yes	yes
Peugeot	Dual	No	66,67%	11%	5	4	diversified	less than 4 committees	for all members	17	57	33,33%	27%	59	relevant	yes	yes	yes	yes	yes
Publicis Groupe SA	Dual	No	66,67%	0%	7	4	diversified	over 4 comm	for all members	12	61	50,00%	0%	45	relevant	yes	yes	yes	yes	yes
Renault	Unitary	Yes	66,37%	6%	1	3	diversified	over 4 comm	for all members	19	56	31,25%	13%	63	relevant	yes	yes	yes	yes	yes
Safran	Unitary	No	53,78%	11%	13	3	diversified	4 committees	for all members	17	59	40,00%	0%	65	relevant	yes	yes	yes	yes	yes
Saint Gobain	Unitary	Yes	57,14%	14%	10	4	diversified	less than 4 committees	for all members	14	57	42,00%	17%	59	relevant	yes	yes	yes	yes	yes
Sanofi	Unitary	No	68,75%	0%	9	4	average	over 4 comm	for all members	16	60	43,00%	29%	61	relevant	yes	yes	yes	yes	yes
Schneider Electric	Unitary	Yes	69,23%	0%	6	4	diversified	4 committees	for all members	13	59	40,00%	6%	54	relevant	yes	yes	yes	yes	yes
Sodexo	Unitary	No	42,86%	14%	6	4	diversified	less than 4 committees	for all members	14	59	50,00%	8%	65	relevant	yes	yes	yes	yes	yes
Total	Unitary	Yes	33,33%	9%	9	3	diversified	4 committees	for all members	12	61	50,00%	31%	54	relevant	yes	yes	yes	yes	yes
Valeo SA	Unitary	Yes	91,67%	0%	7	4	diversified	4 committees	for all members	12	62	41,66%	7%	62	not very relevant	yes	yes	yes	yes	yes
Veolia Environnement	Unitary	Yes	52,94%	12%	6	2	diversified	4 committees	for all members	17	58	40,00%	0%	59	relevant	Not explicit	yes	yes	yes	no
Vinci	Unitary	Yes	60,00%	0%	11	3	diversified	less than 4 committees	no	14	60	42,85%	19%	62	relevant	yes	yes	yes	yes	yes
Vivendi	Dual	No	50,00%	0%	5	3	diversified	less than 4 committees	for all members	12	52	50,00%	10%	53	relevant	yes	yes	yes	yes	yes

					Supervisor	y Board/Bol	D					Man	agement	Team	Investor Rela	tions/AGM	Disclos	ure of inf	ormation	
Company	CEO - Chairman	Directors Independence	BOD Stability	Meetings frequency	Elections Frequency	Diversified background of directors	Committee structure	Performance- based compensation	Size of the directors board	Directors average age	Board Gender diversity	Manageme nt Stability	CEO Age	CEO Background	Information regarding AGM	Dividend policy	Info on manageme nt	Info on BoD	Ownership Structure	Total
Accor	0	0,5	1	1	0,5	1	0,5	1	0	1	1	0,5	1	0,5	1	1	1	1	1	14,5
Air Liquide	0	0,5	0,5	0	0,5	0,5	0	1	0	1	0,5	1	1	1	1	1	1	1	1	12,5
Axa	1	0,5	1	1	0	0,5	0,5	1	0	1	0,5	1	1	1	1	1	1	1	1	15
Atos	0	0,5	1	1	0,5	1	1	1	0	1	1	1	1	1	1	0,5	1	1	0	14,5
Bouygues	0	0	0,5	0,5	0,5	1	0	1	0	1	1	1	0	1	1	1	1	1	1	12,5
Cap Gemini	0	0,5	0,5	1	0	1	1	1	0	0	1	1	0	1	1	1	1	1	1	13
Carrefour	0	0,5	1	0	0,5	0,5	0,5	1	0	0	0,5	1	1	0,5	1	1	1	1	1	12
Danone	1	0,5	0,5	1	0,5	1	1	1	0	1	0	0,5	1	1	1	1	1	1	1	15
Engie	1	0	0,5	1	0,5	1	1	1	0	1	0,5	1	1	1	1	1	1	1	1	15,5
Essilor International	0	0,5	0,5	1	0,5	1	1	1	0	1	1	1	1	1	1	1	1	1	1	15,5
Kering	0	0,5	1	0,5	0	1	1	1	0	1	1	1	1	1	1	1	1	1	1	15
L'Oreal	0	0,5	1	1	0,5	0,5	1	1	0	1	1	0,5	1	1	1	0,5	1	1	0	13,5
Legrand	0	0,5	0,5	1	0,5	1	1	0	1	1	1	1	1	1	1	1	1	1	1	15,5
LVMH	0	0,5	1	1	0	1	0	1	0	0	0,5	1	0	0	1	1	1	1	1	11
Michelin	1	0,5	1	0	0	1	0	1	1	0	0,5	1	1	0,5	1	1	1	1	1	13,5
Orange	0	0	0,5	1	0	1	0	0	0	1	0,5	1	1	0,5	1	1	1	1	1	11,5
Pernod Ricard	0	0	1	1	0	1	0,5	1	0	1	0,5	0	1	1	1	1	1	1	1	13
Peugeot	1	0,5	0,5	0,5	0	1	0	1	0	1	0	0,5	1	1	1	1	1	1	1	13
Publicis Groupe SA	1	0,5	1	1	0	1	0,5	1	0	0	1	1	1	1	1	1	1	1	1	15
Renault	0	0,5	1	0	0,5	1	0,5	1	0	1	0	0,5	1	1	1	1	1	1	1	13
Safran	1	0,5	0,5	0	0,5	1	1	1	0	1	0,5	1	0	1	1	1	1	1	1	14
Saint Gobain	0	0,5	0,5	0,5	0	1	0	1	0	1	0,5	0,5	1	1	1	1	1	1	1	12,5
Sanofi	1	0,5	1	0,5	0	0,5	0,5	1	0	1	0,5	0,5	1	1	1	1	1	1	1	14
Schneider Electric	0	0,5	1	1	0	1	1	1	0	1	0,5	1	1	1	1	1	1	1	1	15
Sodexo	1	0	0,5	1	0	1	0	1	0	1	1	1	0	1	1	1	1	1	1	13,5
Total	0	0	1	0,5	0,5	1	1	1	0	0	1	0	1	1	1	1	1	1	1	13
Valeo SA	0	1	1	1	0	1	1	1	0	0	0,5	1	1	0,5	1	1	1	1	1	14
Veolia Environnement	0	0,5	0,5	1	0,5	1	1	1	0	1	0,5	1	1	1	0,5	1	1	1	0	13,5
Vinci	0	0,5	1	0	0,5	1	0	0	0	1	0,5	0,5	1	1	1	1	1	1	1	12
Vivendi	1	0,5	1	0,5	0,5	1	0	1	0	1	1	1	1	1	1	1	1	1	1	15,5

Appendix 4: Officer's average age

Accor S.A.

Average age	52,5				
Name	Age	Current Position	Officer/Director	In Position	Total Compensation (€)
Mr. Sebastien Bazin	55	Chairman of the Board, Chief Executive Officer, Member of the Executive Committee	13 Years	4 Years	2,513,215
Mr. Sven Boinet	64	Deputy Chief Executive Officer in charge of Group Procurement, Audit, Legal and Security & Safety		2 Years	1,343,054
Mr. Laurent Picheral	51	Deputy Chief Executive Officer and Chief Operating Officer HotelInvest		1 Year	
Mr. Jean-Jacques Morin		Chief Financial Officer, Member of the Executive Committee			
Mr. Jean-Jacques Dessors	53	Chief Executive Officer HotelServices, Europe (excl. France and Switzerland)		1 Year	
Mr. Michael Issenberg		Chief Executive Officer of HotelServices, Asia-Pacific, Member of the Executive Committee	9 Years	3 Years	
Mr. Patrick Mendes		Chief Executive Officer HotelServices, Latin America			
Mr. Amir Nahai		Chief Executive Officer Group Food & Beverage, Member of the Executive Committee	2 Years	2 Years	
Ms. Sophie Stabile	47	Chief Executive Officer HotelServices, France & Switzerland	19 Years	1 Year	
Mr. Francois Pinon		Group General Counsel, Secretary		2 Years	
Mr. John Ozinga	50	Chief Operating Officer of HotelInvest, Member of the Executive Committee		3 Years	
Ms. Maud Bailly		Chief Digital Officer	1 Year	1 Year	
Ms. Arantxa Balson	50	Chief Talent & Culture Officer, Member of the Executive Committee	3 Years	3 Years	
Mr. Gaurav Bhushan		Chief Development Officer			
Mr. Chris Cahill	61	Chief Executive Officer Luxury Brands and HotelServices, North America, Central America and the Caribbean			
Mr. Steven Daines	51	CEO New Businesses and CEO HotelServices, Africa and the Middle East	3 Years	1 Year	
Sheikh Nawaf Al-Thani	45	Director	1 Year	1 Year	
Mr. Vivek Badrinath	48	Director	4 Years	1 Year	-
Ms. Iliane Dumas	46	Director - Representing Employees	4 Years	4 Years	-
Mr. Aziz Aluthman Fakhroo	39	Director	1 Year	1 Year	-
Mr. Patrick Sayer	59	Director	9 Years	9 Years	61,583
Mr. Sarmad Zok	48	Director	1 Year	1 Year	-
Mr. Jean-Paul Bailly	70	Independent Director	9 Years	9 Years	51,954
Mrs. Mercedes Erra	62	Independent Director	7 Years	7 Years	43,830
Ms. Sophie Gasperment	52	Independent Director	7 Years	7 Years	59,306
Mr. Qionger Jiang	40	Independent Director	1 Year	1 Year	-
Ms. Iris Knobloch	54	Independent Director	5 Years	5 Years	39,559
Mr. Bertrand Meheut	65	Independent Director	9 Years	9 Years	44,081
Mr. Nicolas Sarkozy	62	Independent Director	1 Year	1 Year	
Ms. Isabelle Simon	47	Independent Director	1 Year	1 Year	
Ms. Natacha Valla	41	Independent Director	1 Year	1 Year	
Mr. Sebastien Valentin		Senior Vice President of Financial Communication and Investors Relations			

Air Liquide SA

Age average	58,8				
Name	Age	Current Position	Officer/Director	In Position	Total Compensation (€)
Mr. Benoit Potier	59	Chairman of the Board, Chief Executive Officer, Member of the General Management Team and Member of the Executive Committee	18 Years	12 Years	2,831,000
Ms. Fabienne Lecorvaisier	54	Chief Financial Officer, Vice President - Finance, Operations Control, Diving, Welding	9 Years	3 Years	
Mr. Guy Salzgeber	59	Senior Vice President - Europe Industries Frankfurt hub, Executive Vice President, Group Procurement	10 Years	2 Years	
Mr. Francois Darchis	61	Senior Vice President - Strategy, IDST (Innovation, Digital, Science, Technologies), Information Technologies, Industrial Merchant			
		World Business Line			
Mr. Jean-Marc de Royere	52	Senior Vice President - International, Governance and Corporate Social Responsibility		5 Years	
Mr. Michael (Mike) Graff	61	Senior Vice President	9 Years	3 Years	
Mr. Pascal Vinet	55	Vice President of Healthcare Global Operations and Member of the Executive Committee	11 Years	7 Years	
Mr. Francois Abrial	55	Vice President - Group Human Resources	8 Years	3 Years	
Mr. Francois Jackow		Vice President Supervising the Dubaï hub, Healthcare, Healthcare World Business Line, Customers	4 Years	2 Years	
Mr. Francois Venet	50	Vice President - Asia Pacific, Shanghai Hub Executive Vice-President			
Mr. Mok Weng	64	Vice President - Deputy Head of Asia	30 Years	5 Years	
Mr. Thierry Desmarest	71	Independent Director - Lead Director	19 Years	3 Years	105,000
Mr. Philippe Dubrulle	45	Director representing the employees	3 Years	3 Years	
Mr. Pierre Dufour	62	Director	21 Years	1 Year	1,673,000
Mr. Jean-Paul Agon	61	Independent Director	8 Years	8 Years	85,000
Ms. Genevieve Berger	62	Independent Director			63,000
Mr. Brian Gilvary	55	Independent Director			47,000
Ms. Sian Herbert-Jones	56	Independent Director	7 Years	7 Years	89,000
Mr. Xavier Huillard	62	Independent Director	1 Year	1 Year	
Ms. Karen Katen	68	Independent Director	10 Years	10 Years	71,000
Ms. Sin Leng Low	65	Independent Director		3 Years	102,000
Mr. Thierry Peugeot	59	Independent Director	13 Years	12 Years	69,000
Ms. Annette Winkler	58	Independent Director		3 Years	76,000

Atos SE

Age average	59,2				
Name	Age	Current Position	Officer/Director	In Position	Total Compensation (€)
Mr. Thierry Breton	62	Chairman of the Board, Chief Executive Officer, Member of the Executive Committee, Member of the General Management Committee	9 Years	9 Years	5,470,174
Mr. Elie Girard	37	Chief Financial Officer, Member of the Executive Committee	4 Years	3 Years	
Mr. Eric Grall		Member of the General Management Committee, Member of the Executive Committee. Executive Vice President, Global Operations and TOP			
		Program			
Mr. Gilles Arditti	61	Executive Vice-President Investor Relations & Financial Communication, Member of the Executive Committee	11 Years	4 Years	
Mr. Gilles Grapinet	54	Senior Executive Vice President, Global Functions and Chief Executive Officer Worldline, Member of the Executive Committee, Member of	9 Years	4 Years	959,567
		the General Management Committee			
Mr. Michel-Alain Proch		Senior Executive Vice President, CEO North American Operations, Internal IT and Security, Member of the Executive Committee, Member of	12 Years	3 Years	-
		the General Management Committee			
Mr. Philippe Vannier	57	Member of the Executive Committee, Head of Big Data and Cyber Security, Chief Technology Officer		3 Years	-
Mr. Alexandre Menais		Member of the Executive Committee, Head of Mergers & Acquisitions, Legal & Compliance			-
Mr. Philippe Mareine		Member of the Executive Committee, Head of Human Resources, Logistics, Housing and Head of Siemens Global Alliance	9 Years	4 Years	
Mr. Olivier Cuny		General Secretary of the Group, Member of the Executive Committee		3 Years	
Mr. Patrick Adiba		Member of the Executive Committee, Chief Commercial Officer and CEO Olympics and Major Events		4 Years	
Mr. Marc-Henri Desportes	39	Member of the Executive Committee, General Manager of Worldline	9 Years	4 Years	
Mr. Bruno Fabre		Member of the Executive Committee, Head of Telco, Media & Utilities	8 Years	4 Years	-
Mr. Adrian Gregory		Member of the Executive Committee, Head of UK & Ireland	2 Years	2 Years	
Mr. Chad Harris		Member of the Executive Committee, President of Atos North American Operations			
Mr. Winfried Holz		Member of the Executive Committee, Head of Germany	9 Years	9 Years	
Mr. Peter Jong		Member of the Executive Committee, Head of Benelux & the Nordics	17 Years	2 Years	-
Mr. Hanns-Thomas Kopf		Member of the Executive Committee, Head of Central & Eastern Europe	6 Years	6 Years	
Mr. Kari Kupila		Member of the Executive Committee, Head of Siemens Account	6 Years	4 Years	
Mr. Herbert Leung		Member of the Executive Committee, Head of Asia-Pacific	6 Years	6 Years	-
Mr. Ivan Lozano		Member of the Executive Committee, Head of Iberia			
Mr. Francis Meston	51	Member of the Executive Committee, Head of Middle East & Africa and Group Digital Transformation Officer	9 Years	2 Years	-
Mr. Marc Meyer	75	Member of the Executive Committee, Head of Executives & Talents Management, Group Communications			-
Ms. Ursula Morgenstern	52	Member of the Executive Committee, Head of Business & Platform Solutions	16 Years	2 Years	-
Mr. Peter Pluim	-	Member of the Executive Committee, Head of Infrastructure & Data Management			
Mr. Jon Pritchard		Member of the Executive Committee, CEO Unify Software and Platforms			
Mr. Jean-Marie Simon		Member of the Executive Committee, Head of France		5 Years	
Mr. Pasquale Pistorio	81	Independent Director, Lead Director	9 Years	7 Years	46,000
Dr. Roland Busch	52	Director	6 Years	6 Years	26,000
Ms. Jean Fleming	48	Director - Employee Shareholder Representative	8 Years	8 Years	35,000
Mr. Nicolas Bazire	60	Independent Director	9 Years	9 Years	44,500
Ms. Valerie Bernis	58	Independent Director	3 Years	3 Years	24,877
Mr. Bertrand Meunier	61	Independent Director	9 Years	9 Years	39,500
Ms. Colette Neuville	80	Independent Director	9 Years	5 Years	37,000
Ms. Aminata Niane	60	Independent Director	7 Years	7 Years	39,500
Ms. Lynn Paine	68	Independent Director	4 Years	4 Years	37,000
Mr. Vernon Sankey	68	Independent Director	13 Years	9 Years	47,500

AXA

Average Age	61,5				
Name	Age	Current Position	Officer/Director	In Position	Total Compensation (€)
Mr. Denis Duverne	71	Chairman of the Board	11 years	3 years	
Mr. Thomas Buberl	59	Chief Executive Officer		2 years	
Mr. Jean-Pierre Clamadieu	61	Member of the Board of Directors of AXA, Member of the AXA Compensation & Governance	6 years	4 years	
		Committee			
Ms. Irene Dorner	52	Member of the Board of Directors of AXA, Member of the AXA Audit Committee		2 years	
Mr. Jean-Martin Folz	71	Senior Independent Director of AXA, Chairman of the AXA Compensation & Governance Committee	11 years	3 years	
Mr. André François- Poncet	59	Member of the AXA Finance Committee, Member of the AXA Compensation & Governance		2 years	
		Committee			
Ms. Angelien Kemna	61	Member of the Board of Directors of AXA, Member to the AXA Audit Committee		2 years	
Ms. Isabelle Kocher	52	Member of the Board of Directors of AXA, Member of the AXA Finance Committee	8 years	4 years	
Ms. Suet Fern Lee	60	Member of the AXA Finance Committee	8 years	4 years	
Mr. Stefan Lippe	63	Chairman of the AXA Audit Committee, Member of the AXA Finance Committee		2 years	
Mr. François Martineau	67	Member of the Board of Directors of AXA	10 years	2 years	
Mr. Ramon de Oliveira	64	Chairman of the AXA Finance Committee, Member of the AXA Audit Committee	11 years	1 year	
Ms. Deanna Oppenheimer	60	Member of the Board of Directors of AXA, Member of the AXA Compensation & Governance			
		Committee		1 year	
Ms. Doina Palici-Chehab	61	Member of the Board of Directors of AXA , Member of the AXA Finance Committee		2 years	

Performance on corporate Governance

Age average	58,96				
Name	Age	Current Position	Officer/Director	In Position	Total Compensation (€)
Mr. Paul Hermelin	65	Chairman of the Board, Chief Executive Officer, Member of the Group Management Board and Executive Committee	22 Years	5 Years	3,688,850
Mr. Aiman Ezzat		Group Chief Financial Officer, Member of the Group Management Board and Member of the Executive Committee		5 Years	
Mr. Alain de Marcellus	1	Head of Finance		2 Years	
Mr. Lanny Cohen		Member of the Executive Committee and Chief Technology Officer		4 Years	
Ms. Rosemary Stark		Group Sales Officer			
Mr. Hubert Giraud	56	Member of the Group Management Board and Executive Committee, Director of Human Resources Management and		4 Years	
		Transformation of the Capgemini Group			
Ms. Lucia Sinapi-Thomas	51	Deputy Chief Financial Officer, Representative of Employee Shareholders on the Board of Directors	6 Years	5 Years	50,500
Mr. Fernando Alvarez		Head of Partnerships and Strategic Initiatives			
Mr. Christophe Bonnard		Head of Business Coordination France		2 Years	
Mr. Anirban Bose		Head of Bank and Financial Services			
Mr. John Brahim		Head of Insights & Data		2 Years	
Mr. Tim Bridges		Head of Consumer Products, Retail and Distribution		2 Years	
Mr. Walter Cappilati		Head of Application & Infrastructure Services - Latin America			
Mr. Philippe Christelle		Head of Internal Audit, Ethics and Compliance			
Mr. Richard Dicketts		Head of Infrastructure Services Operations			
Mr. Jack Dugan		Head of Financial Services Operations			
Mr. Stephan Ek		Head of Sogeti - Operations			
Mr. Pierre-Yves Glever		Head of Digital Customer Experience			
Mr. Navin Goel		Head of Business Coordination USA		1 Year	
Mr. Philippe Grangeon		Senior Executive Advisor to Group Chairman and CEO		2 Years	
Mr. Franck Greverie		Head of Cloud & Cybersecurity			
Mr. Lalit Khandelwal		General Electric Account Executive			
Mr. Deepankar Khiwani		Head of Application Maintenance Continental Europe			
Ms. Christel Lerouge		Head of External Communications & Digital			
Mr. Ted Levine		Head of Application Services North America Consumer Products, Retail, Transportation and Distribution (CPRTD)			
Mr. Brad Little	59	Application Services North America Energy & Utilities			
Ms. Karine Marchat		Head of Control and Reporting			
Mr. Paul Margetts		Head of Application Services United Kingdom			
Mr. Sandy Padayachee		Head of Infrastructure Services Practices & Supply Chain			
Mr. Jean-Pierre Petit		Head of Digital Manufacturing & Sogeti High Tech			
Mr. Nagasamy Pitchai		Head of Financial Services, Applicative Maintenance, Testing			
Ms. Isabelle Roux-Chenu		Head of Commercial & Contract Management Group		2 Years	
Mr. Michael Schulte		Head of Business Coordination Germany		2 Years	
Mr. Jerome Simeon		Head of Application Services France			
Mr. Sujit Sircar		Head of Application Services North America			
Mr. Chris Stancombe		Head of Industrialization and Automation	4 Years	2 Years	
Mr. Sanjay Tugnait		Head of Business Coordination Canada			
Mr. Leendert Venema		Head of Application Services Nordics			
Mr. Jeroen Versteeg		Head of Application Services The Netherlands			
Mr. Steve Wanklin		Head of Infrastructure Services			
Mr. Ashwin Yardi		Head of Operations India			
Mr. Cliff Yu		Head of Application Services China			
Mr. Patrick Nicolet		Director of Group Competitiveness and in charge of the supervision of operations in India		2 Years	-
Mr. Salil Parekh		Head of the General Management of the AppsOne entity, the supervision of Sogeti, Cloud Infrastructure Services and the			-
		Cloud Foundation Services			
Mr. Olivier Sevillia		Head of Application Services Two, Member of the Group Management Board and Executive Committee			-
Mr. Thierry Delaporte		Member of the Management Board, In charge of the General Management of Financial Services and the supervision of			
Mr. Jean-Baptiste Massignon		Member of the Executive Committee, General Secretary	5 Years	5 Years	
Mr. Jean-Philippe Bol		Head of Cloud Infrastructure Services, Deputy Head of Application Services Two		2 Years	
Mr. Andre Cichowlas		Member of the Executive Committee, Head of Delivery and Competitiveness			
Mr. Pierre-Yves Cros		Member of the Executive Committee, Chief Development Officer		5 Years	
Mr. Cyril Garcia		Member of the Executive Committee, Head of Capgemini Consulting		5 Years	
Mrs. Christine Hodgson		Head of Corporate and Social Responsibility and in charge of Business Coordination UK		2 Years	
Mr. Srikanth Iyengar		Member of the Executive Board, Global Sales Director			
Ms. Aruna Jayanthi	55	Head of Business Services		2 Years	
Mr. Srinivas Kandula		Member of the Executive Board, India Operations Director			
Mr. John Mullen	62	Head of Application Services North America			
Ms. Virginie Regis		Member of the Executive Board, Head of Marketing and Communications Department	2 Years	2 Years	-
Mr. Luc-Francois Salvador		Member of the Executive Committee, Head of Application Services Asia Pacific			
Mr. Hans van Waayenburg		Member of the Executive Committee, Head of Local Professional Services (Sogeti)		4 Years	-
Ms. Catherine Perronet		Executive Committee Secretary			
Mr. Robert Fretel		Director representing the employees	1 Year	1 Year	
Mr. Kevin Masters	61	Director representing the employees	1 Year	1 Year	
Mr. Daniel Bernard	71	Lead Independent Director	13 Years	13 Years	98,000
Ms. Anne Bouverot	51	Independent Director	4 Years	4 Years	63,000
Mr. Yann Delabriere	66	Independent Director	14 Years	14 Years	74,000
Ms. Laurence Dors	61	Independent Director	7 Years	7 Years	73,000
Ms. Carole Ferrand	47	Independent Director	2 Years	2 Years	5,000
Ms. Sian Herbert-Jones	56	Independent Director	2 Years	2 Years	5,000
Mr. Philip Laskawy	76	Independent Director	15 Years	15 Years	80,500
Mr. Xavier Musca	57	Independent Director	4 Years	4 Years	47,500
Mr. Pierre Pringuet	67	Independent Director	9 Years	9 Years	80,500
Mr. Bruno Roger	83	Independent Director	18 Years	18 Years	83,000
Ms. Caroline Watteeuw-Carlis Mr. Fabienne Philippot	65	Independent Director Investor & Shareholder Relations	4 Years	4 Years	95,500

Performance on corporate Governance

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Age average	56,9				
Name	Age	Current Position	Officer/Director	In Position	Total Compensation (€)
Mr. Martin Bouygues	65	Chairman of the Board, Chief Executive Officer	36 Years	28 Years	1,021,522
Mr. Philippe Marien	61	Deputy Chief Executive Officer, Chief Financial Officer, Senior Vice President Human Resources, Information Systems		2 Years	333,449
		and Innovation			
Mr. Olivier Bouygues	66	Deputy Chief Executive Officer, Director	33 Years	2 Years	586,631
Mr. Francois Bertiere	66	Chairman and Chief Executive Officer of Bouygues Immobilier, Director	12 Years	12 Years	2,306,394
Mr. Herve Le Bouc	65	Chairman and Chief Executive Officer of Colas, Director	10 Years	10 Years	2,349,100
Mr. Philippe Bonnave		Chairman and Chief Executive Officer - Bouygues Construction	3 Years	3 Years	
Mr. Gilles Pelisson	60	Chairman and Chief Executive Officer of TF1	2 Years	2 Years	
Mr. Olivier Roussat	52	Chief Executive Officer of Bouygues Telecom		10 Years	200,034
Mr. Jean-Francois Guillemin	64	General Counsel	27 Years	2 Years	
Mr. Cyril Bouygues	31	Director-standing representative of SCDM Participations	2 Years	2 Years	16,125
Mr. Edward Bouygues	33	Director-standing representative of SCDM	2 Years	2 Years	16,125
Mr. Francis Castagne	53	Director-representing employees	2 Years	2 Years	20,150
Ms. Raphaelle Deflesselle	45	Director - Employee Representative	4 Years	4 Years	32,000
Mr. Patrick Kron	63	Director	11 Years	11 Years	25,000
Ms. Sandra Nombret	44	Director - Representative of Employee Shareholders	8 Years	8 Years	32,000
Ms. Rose-Marie Van Lerberghe	70	Director	5 Years	5 Years	32,000
Ms. Michele Vilain	55	Director - Representative of Employee Shareholders	8 Years	8 Years	39,000
Ms. Clara Gaymard	57	Independent Director	2 Years	2 Years	25,155
Ms. Anne-Marie Idrac	65	Independent Director	6 Years	6 Years	38,580
Mr. Helman le Pas de Secheval	51	Independent Director	10 Years	10 Years	46,000
Dr. Colette Lewiner	71	Independent Director	8 Years	8 Years	54,900
Ms. Karine Gruson		Investor Relations Director		2 Years	

Carrefour SA

Age average	61,7				
Name	Age	Current Position	Officer/Director	In Position	Total Compensation (€)
Mr. Alexandre Bompard	44	Chairman of the Board and Chief Executive Officer	< 1 Year	<1 Year	
Mr. Pierre-Jean Sivignon	60	Deputy Chief Executive Officer, Group Chief Financial Officer	6 Years	3 Years	1,830,327
Mr. Jerome Bedier	61	Deputy Chief Executive Officer, Group General Secretary	6 Years	3 Years	1,188,588
Mr. Georges Ralli	69	Independent Vice Chairman of the Board	5 Years		130,000
Mr. Rami Baitieh		Executive Director Taiwan			
Mr. Pascal Clouzard		Executive Director Spain		6 Years	
Mr. Guillaume de Colonges		Executive Director Poland		5 Years	
Mr. Jean-Baptiste Dernoncourt		Executive Director Romania			
Mr. Charles Desmartis	60	Executive Director Brazil		4 Years	
Mr. Daniel Fernandez		Executive Director Argentina			
Mr. Thierry Garnier		Executive Director China-Taiwan	10 Years	6 Years	
Mr. Gerard Lavinay		Executive Director Northern Europe	8 Years	4 Years	
Mr. Francois Melchior de Polignac		Executive Director Belgium		5 Years	
Mr. Noel Prioux		Executive Director France	10 Years	6 Years	
Mr. Stephane Thouin		Executive Director International Partnerships	5 Years	5 Years	
Mr. Eric Uzan		Executive Director Italy		5 Years	
Mr. Jacques Ehrmann		Executive Director, Assets, Development and New Ventures			
Ms. Anne Carron		Human Resources Director			
Ms. Marie-Noelle Brouaux		Executive Communications Director	5 Years	5 Years	
Mr. Bernard Arnault	68	Director	10 Years	9 Years	36,667
Mr. Nicolas Bazire	60	Director		9 Years	68,750
Mr. Jean-Laurent Bonnafe	56	Director	9 Years	9 Years	41,667
Ms. Flavia Buarque de Almeida	50	Director	1 Year	1 Year	
Mr. Abilio Diniz	80	Director	2 Years	2 Years	13,954
Mr. Philippe Houze	69	Director	2 Years	2 Years	70,000
Ms. Patricia Lemoine	68	Director	2 Years	2 Years	53,333
Mr. Thierry Breton	62	Independent Director	9 Years	9 Years	65,000
Mr. Bertrand de Montesquiou	70	Independent Director	5 Years	5 Years	65,000
Mr. Charles Edelstenne	79	Independent Director	9 Years	9 Years	55,000
Ms. Diane Labruyere-Cuilleret	48	Independent Director	5 Years	5 Years	65,000
Ms. Mathilde Lemoine	47	Independent Director	7 Years	7 Years	53,750
Ms. Marie-Laure Sauty de Chalon	55	Independent Director	<1 Year	<1 Year	
Ms. Anne-Claire Taittinger	67	Independent Director	13 Years	9 Years	55,000
Ms. Lan Yan	60	Independent Director	<1 Year	<1 Year	

Performance on corporate Governance

Age average	55,1				
Name	Age	Current Position	Officer/Director	In Position	Total Compensation (€)
Mr. Franck Riboud	61	Chairman of the Board	26 Years	3 Years	2,004,620
Mr. Emmanuel Faber	53	Chairman of the Executive Committee, Chief Executive Officer, Vice Chairman of the Board	21 Years	3 Years	2,244,620
Mrs. Cecile Cabanis	45	Executive Vice President, Chief Financial Officer, Strategy and Information Systems	3 Years	3 Years	
Mr. Bertrand Austruy	43	Executive Vice President of Human Resources, Corporate Secretary	3 Years	3 Years	
Mr. Francisco Camacho		Growth & Innovation Officer and General Manager Waters	6 Years	6 Years	
Ms. Lorna Davis	58	Chief Manifesto Catalyst and General Manager of the Strategic Business Unit North America	2 Years	2 Years	
Mr. Pierre-Andre Terisse	46	General Manager Access Africa	10 Years	3 Years	
Mr. Gustavo Valle	49	General Manager Resources Efficiency and Fresh Dairy Products	3 Years	3 Years	
Ms. Bridgette Heller	55	General Manager, Early Life Nutrition	1 Year	1 Year	
Mr. Flemming Morgan	61	General Manager, Medical Nutrition, Member of the Executive Committee	9 Years	9 Years	
Mr. Jean Laurent	73	Lead Independent Director	13 Years	5 Years	121,000
Mr. Frederic Boutebba	49	Director representing employees	1 Year	1 Year	
Ms. Isabelle Seillier	57	Director	7 Years	7 Years	67,000
Ms. Bettina Theissig	54	Director - Employee Representative	3 Years	3 Years	
Mr. Bruno Bonnell	58	Independent Director	16 Years	16 Years	55,000
Ms. Clara Gaymard	57	Independent Director		1 Year	11,000
Mr. Jacques-Antoine Granjon	54	Independent Director	6 Years	6 Years	25,000
Ms. Gaelle Olivier	46	Independent Director	4 Years	4 Years	64,000
Mr. Benoit Potier	59	Independent Director	15 Years	15 Years	68,000
Ms. Mouna Sepehri	54	Independent Director	6 Years	6 Years	41,000
Mr. Jean-Michel Severino	60	Independent Director	7 Years	7 Years	91,000
Dr. Virginia Stallings	66	Independent Director	6 Years	6 Years	60,000
Ms. Serpil Timuray	48	Independent Director		1 Year	60,000
Mr. Lionel Zinsou-Derlin	62	Independent Director	4 Years	4 Years	24,000
Ms. Nadia Ben Salem-Nicolas		Head of Investor Relations		1 Year	

Engie SA

Age average	56,5				
Name	Age	Current Position	Officer/Director	In Position	Total Compensation (€)
Mr. Gerard Mestrallet	68	Chairman of the Board	9 Years	2 Years	1,784,363
Ms. Isabelle Kocher	50	Chief Executive Officer, Director	6 Years	2 Years	1,591,708
Ms. Judith Hartmann	48	Executive Vice President in charge of the Finance and the United Kingdom and North America Business Units, Member of	3 Years	2 Years	
		the Management Committee			
Mr. Yves Le Gelard	57	Executive Vice President, Chief Digital Officer and in charge of Group Information Systems, Member of the Management		2 Years	
		Committee			
Mr. Pierre Mongin	63	Executive Vice President, General Secretary - Africa, Benelux, France Networks and France BtoC Business Units and	8 Years	2 Years	
		Coordination of Nuclear Safety, Member of the Management Committee			
Mr. Paulo Almirante	53	Executive Vice President - Generation Europe, Brazil, Europe (N, S, E) Middle East, South and Central Asia and Turkey			
		Business Units and of Social and Environmental Responsibility			
Mr. Franck Bruel	55	Executive Vice President in charge of the France BtoB Business Unit, Member of the Management Committee			
Ms. Ana Busto	46	Executive Vice President in charge of Communications and Brand, Member of the Management Committee	2 Years	2 Years	
Mr. Pierre Chareyre		Global Energy Management, LNG, Exploration & Production International and Latin America Business Unit, Member of the	2 Years	2 Years	
		Management Committee			
Mr. Pierre Deheunynck	55	Executive Vice President - Group Human Resources, Global Business Support (the Group's shared services	2 Years	2 Years	
		center),Transformation, Health, Safety and Group Real Estate, Member of the Management Committee			
Mr. Didier Holleaux	57	Executive Vice President - Elengy, GRDF, GRTgaz, Storengy, Asia-Pacific, China and GTT Business Units, of the Strategic	2 Years	1 Year	
		Sourcing & Purchasing Division, Member of the Management Committee			
Mr. Shankar Krishnamoorthy	56	Executive Vice President in charge of supervising of the Group's five Metiers, Strategy, Project Development, Tractebel	1 Year	1 Year	
		and ENGIE Solar, Member of the Management Committee			
Mr. Thierry Lepercq	55	Executive Vice President in charge of Research & Technologies and of Innovation, Member of the Management Board	2 Years	2 Years	
Mr. Christopher Aubert	53	Director - sponsored by CFDT			
Mr. Alain Beullier	53	Director - Employees' Representative	9 Years	9 Years	
Mr. Patrice Durand	64	Director - Representative of the French State	1 Year	1 Year	
Ms. Catherine Guillouard	52	Director - Representative of the French State	3 Years	3 Years	
Ms. Marie-Noelle Jego-Laveissiere	49	Director - Representative of the French State	3 Years	3 Years	
Ms. Anne-Florie Le Clezio-Coron		Director - Substitute Commissioner of the French Government			
Mr. Philippe Lepage	53	Director - Employees' Representative	4 Years	4 Years	
Mr. Olivier Marquer	43	Director - sponsored by the French Federation of Electricity and Gas Industries			
Mr. Laurent Michel		Director - Commissioner of the French Government	3 Years	3 Years	
Ms. Lucie Muniesa	42	Director - Representative of the French State	2 Years	2 Years	
Ms. Stephane Pallez	58	Director - Representative of the French State	6 Years	6 Years	
Ms. Ann-Kristin Achleitner	51	Independent Director	5 Years	5 Years	96,900
Mr. Edmond Alphandery	74	Independent Director	9 Years	9 Years	116,500
Mr. Fabrice Bregier	56	Independent Director	2 Years	2 Years	
Mr. Aldo Cardoso	61	Independent Director	13 Years	9 Years	136,700
Ms. Barbara Kux	63	Independent Director	3 Years	3 Years	
Ms. Francoise Malrieu	71	Independent Director	7 Years	7 Years	135,000
Ms. Marie-Jose Nadeau	64	Independent Director	3 Years	3 Years	
Sir Peter Ricketts	64	Independent Director	2 Years	2 Years	
Ms. Sarah Kiriluk		IR Contact Officer		2 Years	

Performance on corporate Governance

Age average	59,6				
Name	Age	Current Position	Officer/Director	In Position	Total Compensation (€)
Mr. Hubert Sagnieres	62	Chairman of the Board, Chief Executive Officer and Member of the Executive Committee	10 Years	6 Years	2,157,914
Mr. Laurent Vacherot	57	President, Chief Operating Officer, Member of the Executive committee	10 Years	7 Years	46,911
Ms. Geraldine Picaud		Chief Financial Officer, Member of the Executive Committee			
Mr. Jean Carrier-Guillomet		Chief Operating Officer, Member of the Executive Committee	11 Years	4 Years	
Mr. Paul du Saillant	54	Chief Operating Officer and Member of the Executive Committee		7 Years	
Mr. Frederic Mathieu		Corporate Senior Vice President, Human Resources, Member of the Executive Committee			
Ms. Veronique Gillet		Senior Vice President, Investor Relations and Financial Communications	2 Years	2 Years	
Mr. Jayanth Bhuvaraghan		Chief Mission Officer, Member of the Executive Committee		5 Years	
Mr. Bernhard Nuesser		President - Online, Member of the Executive Board		2 Years	
Mr. Jeremy Teo		Chief Strategy Officer, Member of the Executive committee			
Mr. Eric Thoreux		President Sun, Readers and China, Member of the Executive Board		2 Years	
Mr. Philippe Alfroid	72	Director	22 Years	8 Years	57,288
Ms. Maureen Cavanagh	51	Director - Representative of Internal Shareholders	5 Years	5 Years	35,000
Ms. Juliette Favre		Director - Representative of Internal Shareholders	3 Years	3 Years	35,000
Ms. Henrietta Fore	68	Independent Director			34,970
Mr. Yi He	63	Director - Representative of Internal Shareholders	8 Years	8 Years	35,000
Mr. Franck Henrionnet	45	Director representing employees	3 Years	3 Years	35,000
Ms. Annette Messemer	53	Independent Director			32,770
Mr. Olivier Pecoux	59	Director	17 Years	3 Years	43,641
Mr. Antoine de Saint-Affrique	53	Independent Director	9 Years	9 Years	50,088
Ms. Louise Frechette	70	Independent Director	6 Years	6 Years	52,600
Mr. Bernard Hours	61	Independent Director	9 Years	9 Years	69,753
Mr. Marc Onetto	66	Independent Director			52,400
Ms. Jeanette Wong		Independent Director	1 Year	1 Year	

Kering S.A.

Age average	52,3				
Name	Age	Current Position	Officer/Director	In Position	Total Compensation (€)
Mr. Francois-Henri Pinault	55	Chairman of the Board, Chief Executive Officer, Member of the Executive Committee	17 Years	13 Years	2,403,109
Ms. Patricia Barbizet	62	Vice Chairperson of the Board of Directors	25 Years	13 Years	174,870
Mr. Jean-Marc Duplaix		Chief Financial Officer, Member of the Executive Committee	6 Years	6 Years	
Mr. Jean-Philippe Bailly	48	Chief Operating Officer, Member of the Executive Committee	2 Years	2 Years	
Ms. Beatrice Lazat	54	Senior Vice President of Human Resources, Member of the Executive Committee	2 Years	2 Years	
Ms. Valerie Duport	47	Senior Vice President Communications and Image, Member of the Executive Committee	2 Years	2 Years	
Mr. Carlo Beretta		Member of the Executive Board, Chief Client & Marketing Officer	2 Years	1 Year	
Mr. Jean-Francois Palus	55	Member of the Executive Board, Director, Group Managing Director			3,189,297
Ms. Sophie Bouchillou	55	Director - Employee Representative, Human Resources Project Coordinator	3 Years		53,273
Ms. Francesca Bellettini	47	Chief Executive Officer of Saint Laurent, Member of the Executive Committee	2 Years	2 Years	
Mr. Albert Bensoussan	58	Chief Executive Officer of Kering 'Luxury – Watches and Jewelry' Division, Member of the Executive Committee	3 Years	3 Years	
Mr. Marco Bizzarri		Chief Executive Officer of Gucci, Member of the Executive Committee	6 Years	3 Years	
Ms. Marie-Claire Daveu	41	Chief Sustainability Officer and Head of International Institutional Affairs, Member of the Executive Committee	5 Years	5 Years	
Mr. Bjoern Gulden	52	Chief Executive Officer of PUMA SE, Member of the Executive Committee	4 Years	4 Years	
Mr. Claus-Dietrich Lahrs	54	Chief Executive Officer of Bottega Veneta Member of the Executive Board	1 Year	1 Year	
Mr. Roberto Vedovotto	51	Chief Executive Officer of Kering Eyewear, Member of the Executive Committee	3 Years	3 Years	
Mr. Baudouin Prot	66	Director	20 Years	13 Years	62,617
Ms. Laurence Boone	48	Independent Director	8 Years	2 Years	40,842
Ms. Yseulys Costes	44	Independent Director	8 Years	8 Years	73,893
Mr. Jean-Pierre Denis	57	Independent Director	9 Years	9 Years	104,842
Ms. Sophie L'Helias		Independent Director			
Ms. Daniela Riccardi	57	Independent Director	4 Years	4 Years	48,332
Ms. Sapna Sood	43	Independent Director			

Legrand SA

Age average	56,1				
Name	Age	Current Position	Officer/Director	In Position	Total Compensation (€)
Mr. Gilles Schnepp	58	Chairman of the Board and Chief Executive Officer, Member of the Management Committee	25 Years	12 Years	1,160,000
Mr. Francois Grappotte	81	Honorary Chairman of the Board, Director	35 Years	12 Years	50,000
Mr. Patrice Soudan	58	Deputy Chief Executive Officer, Executive Vice President - Group Operations, Member of the Management Committee	10 Years	4 Years	
Mr. Antoine Burel	54	Chief Financial Officer, Member of the Management Committee	25 Years	3 Years	
Mr. John Selldorff	57	President and Chief Executive Officer of Legrand North & Central America, Member of the Management Committee	16 Years	4 Years	
Ms. Benedicte Bahier		Executive Vice President - Legal Affairs, Member of the Management Committee	6 Years	4 Years	
Mr. Xavier Couturier	52	Executive Vice President of Human Resources, Member of the Management Committee	10 Years	4 Years	
Ms. Karine Alquier-Caro	45	Executive Vice President - Purchasing, Member of the Management Committee	5 Years	5 Years	
Mr. Benoit Coquart	43	Executive Vice President France, Member of the Management Committee	16 Years	2 Years	
Mr. Paolo Perino	63	Chairman of Bticino and Executive VP Strategy and Development, Member of the Management Committee		4 Years	
Mr. Frederic Xerri	48	Executive Vice President - Export, Member of the Management Committee	8 Years	4 Years	
Ms. Angeles Garcia-Poveda	43	Lead Independent Director	5 Years	4 Years	112,000
Mr. Olivier Bazil	70	Director	45 Years	6 Years	66,000
Ms. Isabelle Boccon-Gibod	49	Independent Director	1 Year	1 Year	33,167
Ms. Christel Bories	53	Independent Director	5 Years	5 Years	78,000
Mr. Thierry de la Tour d'Artaise	62	Independent Director	12 Years	12 Years	51,000
Ms. Annalisa Elia	50	Independent Director	5 Years	5 Years	56,000
Mr. Dong Sheng Li	60	Independent Director	5 Years	5 Years	25,000
Ms. Eliane Rouyer-Chevalier	63	Independent Director	6 Years	6 Years	78,000
Mr. Francois Poisson		Investor Relations Officer			

Age average	57,4				
Name	Age	Current Position	Officer/Director	In Position	Total Compensation (€)
Mr. Jean-Paul Agon	61	Chairman of the Board and Chief Executive Officer, Member of the Executive Committee	37 Years	7 Years	3,982,000
Mr. Peter Brabeck-Letmathe	72	Vice Chairman of the Board	21 Years		95,000
Mr. Jean-Pierre Meyers	69	Vice Chairman of the Board	31 Years	24 Years	95,000
Mr. Christian Mulliez	56	Executive Vice President, Chief Financial Officer, Member of the Executive Committee	15 Years	15 Years	
Ms. Barbara Lavernos		Executive Vice President Operations, Member of the Executive Committee	4 Years	4 Years	
Mr. Jerome Tixier	63	Executive Vice President Human Resources and Advisor to the Chairman, Member of the Executive Committee	6 Years	6 Years	-
Mr. Laurent Attal	59	Executive Vice President Research & Innovation, Member of the Executive Committee	24 Years		
Mr. Vianney Derville		Executive Vice President Western Europe Zone, Member of the Executive Committee	1 Year	1 Year	
Ms. Isabelle Marey-Semper		Executive Vice President Communications, Public Affairs and Sustainable Development; Member of the Executive Committee			-
Mr. Alexandre Popoff	55	Executive Vice President Eastern Europe and Africa, Middle East Zone, Member of the Executive Committee	23 Years	5 Years	-
Mr. Frederic Roze	56	Executive Vice President Americas Zone, Member of the Executive Committee	25 Years	5 Years	
Mr. Jochen Zaumseil	59	Executive Vice President Asia, Pacific Zone, Member of the Executive Committee	31 Years	1 Year	
Ms. Lubomira Rochet		Chief Digital Officer			
Mr. Nicolas Hieronimus	53	President Selective Divisions, Member of the Executive Committee	20 Years	4 Years	
Ms. Brigitte Liberman	60	President Active Cosmetics Division, Member of the Executive Committee	17 Years	11 Years	
Mr. Alexis Perakis-Valat		President Consumer Products Division, Member of the Executive Committee	4 Years	2 Years	
Ms. Nathalie Roos		President Professional Products Division, Member of the Executive Committee			
Mrs. Ana Amaral	50	Director - Employee Representative	3 Years	3 Years	70,000
Ms. Francoise Bettencourt Meyers	62	Director	21 Years	21 Years	75,000
Ms. Beatrice Guillaume-Grabisch	53	Director	2 Years	2 Years	68,750
Mr. Georges Liarokapis	54	Director - Employee Representative	3 Years	3 Years	85,000
Mr. Jean-Victor Meyers	30	Director	6 Years	6 Years	85,000
Ms. Sophie Bellon	55	Independent Director	3 Years	3 Years	85,000
Mr. Charles-Henri Filippi	65	Independent Director	10 Years	10 Years	105,500
Mr. Xavier Fontanet	68	Independent Director	16 Years	16 Years	77,500
Mrs. Belen Garijo	54	Independent Director	4 Years	4 Years	63,800
Mr. Bernard Kasriel	71	Independent Director	14 Years	14 Years	83,000
Mrs. Virginie Morgon	47	Independent Director	5 Years	5 Years	97,500
Ms. Eileen Naughton	57	Independent Director	2 Years	2 Years	45,000
Mrs. Francoise Lauvin		Head of Investor Relations			

LVMH Moet Hennessy Louis Vuitton SE

Age average	61,1				
Name	Age	Current Position	Officer/Director	In Position	Total Compensation (€)
Mr. Bernard Arnault	68	Chairman and Chief Executive Officer, Member of the Executive Committee	29 Years	29 Years	3,461,739
Mr. Pierre Gode	72	Vice Chairman	29 Years	3 Years	937,747
Mr. Jean-Jacques Guiony	55	Chief Financial Officer, Member of the Executive Committee	14 Years	14 Years	
Ms. Chantal Gaemperle	54	Group Executive Vice President Human Resources and Synergies, Member of the Executive Committee	11 Years	11 Years	
Mr. Nicolas Bazire	60	Development and Acquisitions, Member of the Executive Committee, Director	19 Years		3,990,000
Mr. Antonio Belloni	63	Group Managing Director, Member of the Executive Committee, Director	16 Years	4 Years	5,646,383
Mr. Michael Burke	60	Chairman and CEO of Louis Vuitton, Member of the Executive Committee	5 Years	5 Years	
Mr. Christopher (Chris) de Lapuente	54	Chief Executive Officer of Sephora and beauty, Member of the Executive Committee	7 Years	7 Years	
Mr. Christophe Navarre	58	CEO of Moet Hennessy, the Wines and Spirits division; Member of the Executive Committee	17 Years	17 Years	
Mr. Pierre-Yves Roussel	51	Chairman and CEO of the Fashion Group, Member of the Executive Committee		12 Years	
Mr. Philippe Schaus	54	Chairman and Chief Executive Officer of DFS Group, Member of the Executive Committee		6 Years	
Mr. Jean-Baptiste Voisin	50	Chief Strategy Officer, Member of the Executive Committee		6 Years	
Mr. Marc-Antoine Jamet		General Secretary			
Mr. Antoine Arnault	40	Director	12 Years	12 Years	1,134,075
Ms. Delphine Arnault	42	Director	14 Years	14 Years	2,511,258
Lord Charles Powell of Bayswater	76	Director	20 Years	20 Years	242,500
Ms. Bernadette Chirac	84	Independent Director	8 Years	8 Years	37,500
Mr. Charles de Croisset	73	Independent Director	10 Years	10 Years	106,875
Mr. Yves-Thibault de Silguy	69	Independent Director	9 Years	9 Years	157,500
Dr. Diego Della Valle	63	Independent Director	16 Years	16 Years	37,500
Mr. Albert Frere	91	Independent Director	20 Years	20 Years	37,500
Ms. Clara Gaymard	57	Independent Director	2 Years	2 Years	33,750
Ms. Marie-Josee Kravis	68	Independent Director	7 Years	7 Years	61,875
Ms. Marie-Laure Sauty de Chalon	55	Independent Director		4 Years	67,500
Ms. Natacha Valla	41	Independent Director	2 Years	2 Years	33,750
Mr. Hubert Vedrine	70	Independent Director	14 Years	14 Years	37,500

Compagnie Generale des Etablissements Michelin SCA

Age average	61,9				
Name	Age	Current Position	Officer/Director	In Position	Total Compensation (€)
Mr. Michel Rollier	72	Non-Independent Chairman of the Supervisory Board	21 Years	3 Years	68,000
Mr. Jean-Dominique Senard	64	Chief Executive Officer, General Managing Partner, Member of the Executive Committee	13 Years	6 Years	2,383,869
Mr. Marc Henry		Chief Financial Officer, Executive Vice President - Specialty Product Lines, Member of the Executive Committee		3 Years	
Mr. Jean-Michel Guillon		Senior Executive Vice President - Purchasing Department, Member of the Executive Committee	9 Years	1 Year	
Mr. Florent Menegaux		Senior Executive Vice President, Member of the Executive Committee	10 Years	1 Year	
Ms. Florence Vincent		Executive Vice President - Quality, Audit and Risk Management, Member of the Executive Committee	3 Years	3 Years	
Mr. Terry Gettys		Executive Vice President - Research and Development, Member of the Executive Committee		3 Years	
Ms. Sonia Artinian-Fredou	50	Executive Vice President - Distribution, Member of the Executive Committee	1 Year	1 Year	
Mr. Yves Chapot		Executive Vice President - Passenger Car and Light Truck Product Line, Member of the Executive Committee		1 Year	
Mr. Francois Corbin		Executive Vice President - Progress and Geographic Zones and Corporate Development activities, Member of the		1 Year	
		Executive Committee			
Ms. Claire Dorland-Clauzel		Executive Vice President- Sustainable Development, Communication, Brands and External Relations and Member		1 Year	
		of the Executive Committee			
Mr. Jean-Christophe Guerin		Executive Vice President - Materials Product Line, Member of the Executive Committee		3 Years	
Mr. Serge Lafon		Executive Vice President - Truck Product Line, Member of the Executive Committee		3 Years	
Mr. Olivier Bazil	70	Independent Member of the Supervisory Board	5 Years	5 Years	53,000
Mr. Pat Cox	64	Independent Member of the Supervisory Board	13 Years	13 Years	46,000
Ms. Barbara Dalibard	59	Independent Member of the Supervisory Board	10 Years	10 Years	40,250
Ms. Anne-Sophie de La Bigne	57	Independent Member of the Supervisory Board	5 Years	5 Years	46,000
Mr. Jean-Pierre Duprieu	65	Independent Member of the Supervisory Board	5 Years	5 Years	46,000
Ms. Aruna Jayanthi	55	Independent Member of the Supervisory Board	3 Years	3 Years	21,000
Ms. Monique Leroux	63	Independent Member of the Supervisory Board	2 Years	2 Years	9,000
Mr. Cyrille Poughon		Non-Independent Member of the Supervisory Board	4 Years	4 Years	36,000
Ms. Valerie Magloire		Head of Investor Relations			

Pernod Ricard SA

Age average	51,3				
Name	Age	Current Position	Officer/Director	In Position	Total Compensation (€)
Mr. Alexandre Ricard	45	Chairman of the Board, Chief Executive Officer	9 Years	3 Years	2,197,185
Mr. Pierre Pringuet	67	Vice Chairman of the Board	31 Years	3 Years	113,500
Mr. Cesar Giron	55	Chairman and Chief Executive Officer of Martell Mumm Perrier-Jouët (MMPJ), Member of the Executive	9 Years	2 Years	69,500
		Committee, Director			
Mr. Jean-Christophe Coutures		Chairman & CEO of Irish Distillers Group, Member of the Executive Committee	9 Years	1 Year	
Mr. Paul Duffy		Chairman & Chief Executive Officer of Pernod Ricard North America, Member of the Executive Committee	13 Years	1 Year	
Mr. Philippe Guettat		Chairman and Chief Executive Officer of Pernod Ricard Asia, Member of the Executive Committee		2 Years	
Mr. Laurent Lacassagne		Chairman and Chief Executive Officer of Chivas Brothers Ltd., Member of the Executive Committee	12 Years	4 Years	
Mr. Mohit Lal		Chairman and Chief Executive Officer of Pernod Ricard Global Travel Retail, Member of the Executive Committee	1 Year	1 Year	
Ms. Anna Malmhake	51	Chairman & Chief Executive Officer of The Absolut Company, Member of the Executive Committee	6 Years	1 Year	
Mr. Christian Porta		Chairman & Chief Executive Officer of Pernod Ricard Europe, Middle East and Africa, Member of the Executive	14 Years	4 Years	
		Committee			
Mr. Bruno Rain		Chairman and CEO of Pernod RIcard Winemakers, Member of the Executive Board and Executive Committee	11 Years	1 Year	
Mr. Philippe Savinel		Chairman and Chief Executive Officer of Ricard SA and Pernod SA, Member of the Executive Committee	17 Years	2 Years	
Mr. Cedric Ramat		Executive Vice President - Human Resources and Sustainability & Responsibility, Member of the Executive Board	1 Year	1 Year	
Ms. Julia Massies		Vice President, Financial Communication and Investor Relations	3 Years	3 Years	
Mr. Ian FitzSimons		General Counsel, Member of the Executive Board and Executive Committee	16 Years	16 Years	
Mr. Gilles Bogaert		Managing Director - Finance and Operations and Member of the Executive Board	14 Years	3 Years	
Mr. Conor McQuaid		Global Business Development Director, Member of the Executive Committee and Executive Board		3 Years	
Mr. Sylvain Carre	51	Director - Employee Representative		4 Years	15,000
Mr. Manousos Charkoftakis	47	Director - Employee Representative		4 Years	15,000
Ms. Martina Gonzalez-Gallarza	47	Director	6 Years	6 Years	44,500
Mr. Paul-Charles Ricard	35	Director - Representative of Société Paul Ricard	5 Years	5 Years	39,500
Ms. Veronica Vargas	36	Director	3 Years	3 Years	54,000
Ms. Nicole Bouton	69	Independent Director	10 Years	10 Years	83,500
Dr. Wolfgang Colberg	57	Independent Director	9 Years	9 Years	113,500
Mr. Ian Gallienne	46	Independent Director	5 Years	5 Years	87,000
Ms. Anne Lange	49	Independent Director	1 Year	1 Year	68,000
Mr. Gilles Samyn	67	Independent Director		4 Years	78,500
Ms. Kory Sorenson	48	Independent Director	2 Years	2 Years	97,500

Age average	56,8				
Name	Age	Current Position	Officer/Director	In Position	Total Compensation (€)
Mr. Louis Gallois	73	Independent Chairman of the Supervisory Board	5 Years	4 Years	
Mr. Carlos Tavares	59	Chairman of the Management Board	4 Years	4 Years	3,234,462
Mr. Jack Azoulay	38	Vice Chairman of the Supervisory Board	1 Year	1 Year	28,183
Ms. Marie-Helene Peuget-Roncoroni	56	Vice Chairman of the Supervisory Board - Representative of Etablissements Peugeot Freres			108,200
Mr. Zhu Yanfeng	56	Vice Chairman of the Supervisory Board - Representative of Dongfeng Motor (Hong Kong) International Co. Ltd (DMHK)	2 Years	2 Years	92,167
Mr. Jean-Baptiste Chasseloup de Chatillon	52	Chief Financial Officer, Executive Vice President - Information Systems, Member of the Management Board and Executive Committee	6 Years	6 Years	1,301,762
Mr. Jean-Philippe Imparato		Chief Executive Officer of the Peugeot brand	1 Year	1 Year	
Mr. Xavier Chereau		Executive Vice President - Human Resources, Member of the Executive Committee	2 Years	2 Years	
Mr. Maxime Picat	43	Executive Vice President, Europe, Member of the Management Board, Member of the Executive Committee	5 Years	1 Year	207,137
Mr. Jean-Christophe Quemard	56	Executive Vice President - Middle East and Africa, Member of the Management Board and Executive Committee		3 Years	1,301,762
Mr. Christophe Bergerand		Executive Vice President - Operations Director of Russia, Ukraine and CIS Member of the Executive Committee	4 Years	4 Years	
Mr. Yannick Bezard	54	Executive Vice President - Purchasing, Member of the Executive Committee	7 Years	7 Years	
Mr. Emmanuel Delay		Executive Vice President - Operational Director India - Pacific, Member of the Executive Committee	3 Years	3 Years	
Mr. Carlos Gomes		Executive Vice President - Latin America, Member of the Executive Committee		7 Years	
Mr. Patrice Lucas		Executive Vice President - Programs & Strategy, Member of the Executive Committee	3 Years	3 Years	
Mr. Yann Vincent		Executive Vice President - Director Supply Chain & Manufacturing, Member of the Executive Board	3 Years	3 Years	
Mr. Gilles Le Borgne	55	Executive Vice President, Quality and Engineering	5 Years	1 Year	
Mr. Denis Martin	79	Executive Vice-President, China and ASEAN	9 Years	1 Year	
Mr. Gregoire Olivier	56	Executive Vice-President of Mobility Services		1 Year	1,156,288
Mr. Olivier Bourges	50	Member of the Executive Committee, Group General Counsel		3 Years	
Mr. Yves Bonnefont		Chief Executive Officer - DS Brand, Member of the Executive Committee	6 Years	3 Years	
Ms. Linda Jackson		Chief Executive Officer, Citroen Brand, Member of the Executive Committee	3 Years	3 Years	
Ms. Catherine Bradley	58	Independent Member of the Supervisory Board	2 Years	2 Years	65,767
Ms. Pamela Knapp	59	Independent Member of the Supervisory Board	6 Years	6 Years	70,000
Ms. Helle Kristoffersen	53	Independent Member of the Supervisory Board	2 Years	2 Years	43,250
Mr. Geoffroy Roux de Bezieux	55	Senior Independent Member of the Supervisory Board			70,533
Mr. Jean-Francois Kondratiuk	67	Member of the Supervisory Board - Employees Representative	5 Years	5 Years	70,000
Mr. Robert Peugeot	67	Member of the Supervisory Board - Representative of FFP	11 Years	11 Years	75,000
Mr. Henri Reichstul	68	Independent Member of the Supervisory Board	11 Years	11 Years	62,833
Ms. Anne Valleron	64	Member of the Supervisory Board - Employee Shareholders Representative	5 Years	5 Years	
Ms. Florence Verzelen	39	Member of the Supervisory Board - Representative of SOGEPA	4 Years	4 Years	70,000
Mr. Liu Weidong	50	Member of the Supervisory Board	4 Years	4 Years	72,333
Mr. Frederic Brunet		Head of Financial Communication and Investor Relations		4 Years	

Publicis Groupe SA

Age average	60,9				
Name	Age	Current Position	Officer/Director	In Position	Total Compensation (€)
Mr. Maurice Levy	75	Chairman of the Supervisory Board	41 Years	<1 Year	3,917,500
Mr. Arthur Sadoun	45	Chairman of the Management Committee, Chief Executive Officer, Member of the Executive Committee		<1 Year	
Ms. Elisabeth Badinter	73	Vice Chair of the Supervisory Board	30 Years	<1 Year	295,000
Ms. Sophie Dulac	59	Vice Chair of the Supervisory Board	19 Years	18 Years	35,000
Mr. Jean-Michel Etienne	65	Group Executive Vice President Finance, Member of the Management Committee, Member of the Executive Committee	17 Years	7 Years	1,406,250
Ms. Valerie Beauchamp		Executive Vice President Business Development, Member of the Executive Committee			
Ms. Veronique Weill	57	General Manager, Member of the Management Committee, Member of the Executive Committee			
Ms. Anne-Gabrielle Heilbronner	48	General Secretary, Member of the Management Committee, Member of the Executive Committee	6 Years	5 Years	1,080,000
Mr. Steve King		Chief Executive Officer Publicis Media, Member of the Management Committee, Member of the Executive Committee		3 Years	
Mr. Chip Register		Co-Chief Executive Officer Publicis.Sapient, Chief Executive Officer Sapient Consulting, Member of the Management	3 Years		
		Committee, Member of the Executive Committee			
Ms. Carla Serrano		Chief Strategy Officer, Member of the Management Committee, Member of the Executive Committee	-	-	
Mr. Nigel Vaz		Global President DigitasIbi, Chief Executive Officer EMEA & APAC Publicis Sapient, Member of the Management Committee,			
		Member of the Executive Committee			
Mr. Alan Wexler	51	Co-Chief Executive Officer Publicis.Sapient, Chief Executive Officer Sapientrazorfish, Member of the Management	3 Years		
		Committee, Member of the Executive Committee			
Mr. Justin Billingsley		Chief Operating Officer Publicis Communications, Member of the Executive Committee			
Ms. Agathe Bousquet		President France, Member of the Executive Committee			
Mr. Gerry Boyle		Regional Chief Executive APAC, Publicis Media, Member of the Executive Committee	-	-	
Mr. Andrew Bruce		Chief Executive Officer Publicis Communications North America, Member of the Executive Committee	-	-	
Mr. Nick Colucci		Chief Executive Officer Publicis Health, Member of the Executive Committee	-		
Ms. Lisa Donohue		Global Brand President Starcom, Member of the Executive Committee	-	-	
Mr. Tim Jones		Regional Chief Executive Officer, Americas Publicis Media, Member of the Executive Committee			
Mr. Loris Nold		Chief Operating Officer Publicis Communications, Member of the Executive Committee	-	-	
Mr. Rishad Tobaccowala		Chief Growth Officer, Member of the Executive Committee			
Ms. Alexandra Von Plato		Group President Publicis Health, Member of the Executive Committee	-	-	
Mr. Jarek Ziebinski		Chief Executive Officer Publicis One, Member of the Executive Committee			
Ms. Claudine Bienaime	77	Independent Member of the Supervisory Board	14 Years	3 Years	105,000
Mr. Jean Charest	59	Independent Member of the Supervisory Board	4 Years	4 Years	50,000
Mr. Michel Cicurel	69	Independent Member of the Supervisory Board	18 Years	18 Years	65,000
Mr. Thomas (Tom) Glocer	57	Independent Member of the Supervisory Board			
Ms. Marie-Josee Kravis	67	Independent Member of the Supervisory Board	7 Years	7 Years	50,000
Mr. Andre Kudelski	57	Independent Member of the Supervisory Board	-		
Mr. Simon Badinter	49	Member of the Supervisory Board	18 Years	18 Years	35,000
Ms. Marie-Claude Mayer	69	Member of the Supervisory Board		7 Years	370,000
Ms. Veronique Morali	58	Member of the Supervisory Board		7 Years	75,000
Mr. Jean-Michel Bonamy		Vice President, Investor Relations & Strategic Financial Planning			

Age average	59,3				
Name	Age	Current Position	Officer/Director	In Position	Total Compensation (€)
Mr. Ross McInnes	63	Chairman of the Board	8 Years	3 Years	560,223
Mr. Philippe Petitcolin	65	Chief Executive Officer, Director	7 Years	2 Years	1,123,953
Mr. Christian Streiff	62	Independent Vice Chairman of the Board	4 Years	4 Years	46,673
Mr. Bernard Delpit	52	Chief Financial Officer		3 Years	
Mr. Eric Dalbies	46	Executive Vice President of Strategy and M&A, Member of the Executive Committee			
Mr. Frederic Bourges	59	Director representing employees			38,870
Ms. Eliane Carre-Copin	65	Director representing employee shareholders	2 Years	2 Years	15,558
Mr. Patrick Gandil	56	Director - Representative of the French State	10 Years	4 Years	
Mr. Vincent Imbert	61	Director – proposed by the French State	3 Years	3 Years	
Mr. Xavier Lagarde	69	Director		7 Years	35,560
Mr. Daniel Mazaltarim	57	Director representing employees	3 Years	3 Years	45,208
Ms. Lucie Muniesa	42	Director - Representative of the French State	2 Years	2 Years	
Mr. Giovanni Bisignani	71	Independent Director	7 Years	7 Years	42,700
Dr. Jean-Lou Chameau	64	Independent Director	7 Years	7 Years	49,700
Ms. Monique Cohen	61	Independent Director	4 Years	4 Years	38,735
Ms. Odile Desforges	67	Independent Director	7 Years	7 Years	53,658
Mr. Jean-Marc Forneri	57	Independent Director	13 Years	7 Years	41,910
Ms. Elisabeth Lulin	51	Independent Director	7 Years	7 Years	33,973
Mr. Gerard Mardine	58	Independent Director	2 Years	2 Years	27,040

Compagnie de Saint Gobain SA

Age average	56,5				
Name	Age	Current Position	Officer/Director	In Position	Total Compensation (€)
Mr. Pierre-Andre de Chalendar	59	Chairman of the Board and Chief Executive Officer, Member of the Senior Management Committee, Member of the	11 Years	7 Years	2,386,719
		Executive Committee			
Mr. Guillaume Texier	43	Chief Financial Officer, Member of the Senior Management Committee, Member of the Executive Committee			
Mr. David Anderson		General Delegate for Sub-Saharan Africa			
Mr. Dominique Azam		General Delegate for Mexico, Central America, Venezuela, Colombia, Ecuador and Peru	6 Years	3 Years	
Mr. Mike Chaldecott		General Delegate for the United Kingdom and Ireland			
Mr. Erwan Dupuy		General Delegate for Russia, Ukraine and the Commonwealth of Independent States			
Mr. Thierry Fournier	45	General Delegate to Brazil, Argentina and Chile		3 Years	
Mr. Javier Gimeno	53	General Delegate for the Asia-Pacific Region			
Mr. Thierry Lambert		General Delegate for the Nordic and Baltic Countries		7 Years	
Mr. Anand Mahajan		General Delegate for India, Sri Lanka and Bangladesh		2 Years	
Mr. Francois-Xavier Moser		General Delegate for Poland, Bulgaria, Romania and Turkey		2 Years	
Mr. Hady Nassif		General Delegate for the Middle East			
Mr. Tomas Rosak		General Delegate for the Czech Republic, Slovenia, Hungary and Eastern Adriatic Countries			
Mr. Gianni Scotti		General Delegate for the Mediterranean (Spain, Italy, Portugal, Greece, Morocco, Algeria, Tunisia and Libya)		2 Years	
Mr. Claude Imauven	60	Chief Operating Officer, Member of the Senior Management Committee, Member of the Executive Committee			
Mr. Jean-Francois Phelizon	71	Senior Vice President, Internal Audit and Internal Control, Member of the Senior Management Committee			
Ms. Claire Pedini	52	Senior Vice President of Human Resources, Member of the Senior Management Committee and Executive			
		Committee			
Mr. Benoit Bazin	48	Senior Vice President in charge of the Construction Products Sector, Member of the Senior Management			
		Committee			
Mr. Patrick Dupin	53	Senior Vice President in charge of the Flat Glass Activity (Innovative Materials Sector), Member of the Senior			
		Management Committee			
Mr. Laurent Guillot	48	Senior Vice President in charge of the High Performance Materials Sector (Innovative Materials Sector), Member			
		of the Senior Management Committee			
Mr. Thomas Kinisky		Senior Vice President, General Delegate for North America, Member of the Senior Management Committee	1 Year	1 Year	
Mr. Kare Malo		Senior Vice President in charge of the Building Distribution Sector, Member of the Senior Management Committee			
mr. Frederic Verger		Chief Purchasing and Information Officer, Member of the Senior Management Committee	1 Year	< 1 Year	
Mr. Fabrice Didier		Vice President of Marketing, Member of the Senior Management Committee			
Ms. Julie Bonamy		Vice President of Corporate Planning & Strategy, Member of the Senior Management Committee	< 1 Year	< 1 Year	
Mr. Armand Ajdari		Vice President - Research & Development and Investments, Member of the Senior Management Committee	< 1 Year	< 1 Year	
Mr. Antoine Vignial	55	Corporate Secretary in charge of Corporate Social Responsibility, Secretary of the Board of Directors, Member of			
		the Senior Management Committee, Member of the Executive Committee			
Mr. Benoit d'Iribarne		General Delegate for Germany, Austria and Benelux, Member of the Senior Management Committee			
Mr. Alain Destrain	59	Director - Employee Representative	3 Years	3 Years	60,708
Mr. Pascal Lai	53	Director - Employee Representative	3 Years	3 Years	56,214
Mr. Frederic Lemoine	52	Director	9 Years	9 Years	96,174
Mr. Jacques Pestre	59	Director - Representative of Employee Shareholders	6 Years	6 Years	60,708
Mr. Denis Rangue	65	Director	14 Years	2 Years	63,374
Ms. Anne-Marie Idrac	66	Independent Director	6 Years	6 Years	75,445
Ms. Pamela Knapp	59	Independent Director	4 Years	4 Years	63,789
Ms. Agnes Lemarchand	62	Independent Director	4 Years	2 Years	67,953
Ms. Olivia Qiu	51	Independent Director	6 Years	6 Years	51,719
Mr. Gilles Schnepp	58	Independent Director	8 Years		60,708
Mr. Jean-Dominique Senard	64	Lead Independent Director	5 Years	5 Years	81,191
Mr. Philippe Varin	65	Independent Director	4 Years		73,700
Ms. Ieda Yell		Independent Director	1 Year	1 Year	

Age average	59,666667				
Name	Age	Current Position	Officer/Director	In Position	Total Compensation (€)
Mr. Serge Weinberg	66	Independent Chairman of the Board	8 Years	3 Years	708,218
Mr. Olivier Brandicourt	61	Chairman of the Executive Committee, Chief Executive Officer, Director	3 Years	3 Years	2,895,588
Mr. Jerome Contamine	59	Executive Vice President, Chief Financial Officer, Member of the Executive Committee	9 Years	9 Years	
Ms. Karen Linehan	58	Executive Vice President, Legal Affairs and General Counsel; Member of the Executive Committee	11 Years	4 Years	
Mr. Olivier Charmeil	54	Executive Vice President and General Manager, General Medicines & Emerging Markets; Member of the	12 Years	1 Year	
		Executive Committee			
Mr. Roberto Pucci	53	Executive Vice President, Human Resources; Member of the Executive Committee	8 Years	8 Years	
Mr. Peter Guenter	55	Executive Vice President, Diabetes & Cardiovascular; Member of the Executive Committee	6 Years	1 Year	
Mr. David Loew		Executive Vice President, Sanofi Pasteur; Member of the Executive Committee	4 Years	1 Year	
Mr. Philippe Luscan	55	Executive Vice President, Global Industrial Affairs; Member of the Executive Committee		3 Years	
Dr. Alan Main , Ph.D.	63	Executive Vice President, Consumer Healthcare; Member of the Executive Committee	1 Year	1 Year	
Dr. Ameet Nathwani , M.D.		Executive Vice President, Medical Affairs; Member of the Executive Committee	2 Years	2 Years	
Mr. William (Bill) Sibold		Executive Vice President, Sanofi Genzyme; Member of the Executive Committee		< 1 Year	
Ms. Kathleen Tregoning		Executive Vice President, External Affairs; Member of the Executive Committee	1 Year	1 Year	
Dr. Elias Zerhouni , M.D.	66	President, Global Research & Development; Member of the Executive Committee	7 Years	7 Years	
Dr. Muzammil Mansuri , Ph.D.	63	Vice President - Business Development, Member of the Executive Board	2 Years	2 Years	
Mr. Laurent Attal	59	Director	6 Years	6 Years	75,000
Mr. Christian Mulliez	56	Director	13 Years	13 Years	140,000
Mr. Robert Castaigne	71	Independent Director	18 Years	6 Years	125,000
Mr. Bernard Charles	59	Independent Director			
Ms. Claudie Haignere	60	Independent Director	10 Years	10 Years	95,000
Mr. Patrick Kron	63	Independent Director	4 Years	4 Years	92,500
Ms. Fabienne Lecorvaisier	55	Independent Director	5 Years	5 Years	105,000
Dr. Melanie Lee , Ph.D.	59	Independent Director			
Ms. Suet-Fern Lee	59	Independent Director	7 Years	7 Years	85,000
Ms. Carole Piwnica	59	Independent Director	7 Years	7 Years	88,750
Ms. Diane Souza		Independent Director	2 Years	2 Years	
Dr. Thomas Suedhof , M.D.		Independent Director	2 Years	2 Years	
Mr. George Grofik		Head of Investor Relations			

Schneider Electric SE

Age average	58,5				
Name	Age	Current Position	Officer/Director	In Position	Total Compensation (€)
Mr. Jean-Pascal Tricoire	54	Chairman, Chief Executive Officer, Member of the Executive Committee	5 Years	5 Years	4,782,000
Mr. Emmanuel Babeau	50	Deputy Chief Executive Officer in charge of Finance and Legal Affairs, Member of the Executive Committee	9 Years	5 Years	2,830,149
Mr. Leo Apotheker	63	Vice Chairman Independent Lead Director	10 Years	4 Years	380,000
Ms. Annette Clayton	54	Executive Vice President, Global Supply Chain; Executive Vice-President, North America Operations; Member			
		of the Executive Committee			
Mr. Zhu Hai		Executive Vice President, China Operations; Member of the Executive Committee			
Mr. Leonid Mukhamedov		Executive Vice President, Europe Operations; Member of the Executive Committee			
Mr. Luc Remont		Executive Vice President, France Operations; Member of the Executive Committee			
Dr. Prithviraj (Prith) Banerjee , Ph.D.	57	Executive Vice President, Technology; Member of the Executive Committee			
Mr. Philippe Delorme	46	Executive Vice President, Building & IT; Member of the Executive Committee			85,000
Ms. Chris Leong		Executive Vice President, Global Marketing; Member of the Executive Committee			
Mr. Olivier Blum		Executive Vice President, Global Human Resources; Member of the Executive Committee			
Mr. Frederic Abbal		Executive Vice President, Infrastructure; Member of the Executive Committee			
Mr. Herve Coureil	47	Executive Vice President, Information Systems; Member of the Executive Committee			
Mr. Daniel Doimo		Executive Vice President, Global Solutions; Member of the Executive Committee			
Mr. Peter Herweck		Executive Vice President, Industry; Member of the Executive Committee			
Mr. Emmanuel Lagarrigue		Executive Vice President, Strategy; Member of the Executive Committee			
Ms. Emily Heitman		Vice President - Energy Business	<1 Year	< 1 Year	
Mr. Gerard de La Martiniere	74	Director	20 Years	20 Years	116,000
Ms. Magali Herbaut	45	Director - Employee Shareholder Representative	6 Years	6 Years	86,000
Mr. Willy Kissling	73	Director	17 Years	17 Years	140,000
Mr. Henri Lachmann	79	Director	22 Years	4 Years	626,384
Ms. Betsy Atkins	63	Independent Director	7 Years	7 Years	84,000
Mrs. Cecile Cabanis	45	Independent Director	3 Years	3 Years	82,000
Mr. Xavier Fontanet	69	Independent Director	6 Years	6 Years	74,000
Mr. Antoine Gosset-Grainville	51	Independent Director	6 Years	6 Years	101,000
Mr. Fred Kindle	58	Independent Director	2 Years	2 Years	126,115
Ms. Linda Knoll	57	Independent Director	4 Years	4 Years	146,000
Ms. Cathy Kopp	67	Independent Director	13 Years	12 Years	86,000
Mr. Gregory (Greg) Spierkel	59	Independent Director	2 Years	2 Years	134,000

Ms. Sophie Bellon	55	Current Position Chairwoman of the Board	Officer/Director	In Position	Total Compensation (€)
		Chairmann a fithe Based			Intercompensation (E)
Mr. Michol Landol	65	chairwoman of the Board	28 Years	2 Years	401,018
	05	Chief Executive Officer and Chairman of the Executive Committee, Director	9 Years	9 Years	1,837,398
Mr. Pierre Henry	64	Group Executive Committee Vice President Chairman Benefits and Rewards Services Chief Executive Officer		3 Years	
		Sports and Leisure, On-site Services			
Mr. Marc Rolland		Chief Financial Officer	2 Years	2 Years	
Ms. Elisabeth Carpentier	62	Group Chief Human Resources Officer, Member of the Executive Committee		5 Years	
Mr. Damien Verdier	59	Member of the Executive Committee, Group Chief Strategic Planning, Organization, Research & Development		3 Years	
		and Innovation Officer and Innovation Officer			
Ms. Ana Busto		Member of the Executive Committee and Group Chief Brand and Communication Officer		4 Years	
Mr. Patrick Connolly	56	Chief Executive Officer Schools and Universities, On-site Services		4 Years	
Ms. Lorna Donatone	58	Member of the Executive Committee and Chief Executive Officer of Geographic Regions and Region Chair for		4 Years	
		North America, On-site Services			
Mr. Nicolas Japy	60	Member of the Executive Committee, Chief Executive Officer Energy and Resources, On-site Services	16 Years	3 Years	
Mr. Denis Machuel	-	Deputy Chief Executive Officer		<1 Year	
Mr. Satya-Christophe Menard	-	Member of the Executive Committee and Chief Executive Officer of Service Operations		4 Years	
Ms. Sylvia Metayer	-	Member of the Executive Committee and Chief Executive Officer Corporate Services, On-site Services		3 Years	
Ms. Debbie White	1	Member of the Executive Board and Chief Executive Officer Health Care, On-site Services Chief Executive		3 Years	
		Officer Government, On-site Services			
Mr. Emmanuel Babeau	49	Director	2 Years	2 Years	
Ms. Astrid Bellon	47	Director	28 Years	28 Years	152,334
Mr. Bernard Bellon	81	Director	43 Years	43 Years	43,140
Mr. Francois-Xavier Bellon	51	Director	28 Years	28 Years	152,334
Ms. Nathalie Bellon-Szabo	52	Director	28 Years	28 Years	371,513
Mr. Philippe Besson	60	Director - Employee Representative	3 Years	3 Years	5,333
Mr. Soumitra Dutta	53	Director	3 Years	3 Years	
Ms. Cathy Martin	44	Director-representing employees	2 Years	2 Years	
Ms. Cecile Tandeau de Marsac	53	Director	1 Year	1 Year	
Mr. Robert Baconnier	76	Independent Director	13 Years	5 Years	62,100
Ms. Patricia Bellinger	56	Independent Director	13 Years	13 Years	91,875
Ms. Francoise Brougher	51	Independent Director	6 Years	6 Years	46,735
Mr. Paul Jeanbart	77	Independent Director	22 Years	22 Years	36,240
Mr. Pierre Benaich		Investor Relations Contact Officer			

Total SA

Age average	60,5				
Name	Age	Current Position	Officer/Director	In Position	Total Compensation (€)
Mr. Patrick Pouyanne	54	Chairman of the Board, Chief Executive Officer, President of the Executive Committee	2 Years	2 Years	3,273,345
Mr. Patrick de la Chevardiere	60	Chief Financial Officer, Member of the Executive Committee		9 Years	
Mr. Momar Nguer	59	President, Marketing & Services; President, New Energies; Member of the Executive Committee	6 Years	2 Years	
Mr. Arnaud Breuillac		President, Exploration & Production; Member of the Executive Committee		3 Years	
Mr. Bernard Pinatel	55	President, Refining & Chemicals; Member of the Executive Committee		1 Year	
Mr. Philippe Sauquet	59	President, Gas, Renewables & Power; President, Group Strategy-Innovation; Member of the Executive Committee		1 Year	
Ms. Namita Shah		President, People & Social Responsibility; Member of the Executive Committee	1 Year	1 Year	
Mr. Paul Desmarais , Jr.	63	Director	16 Years	16 Years	61,000
Ms. Renata Perycz	53	Director - Employee Shareholders Representative	1 Year	1 Year	53,158
Mr. Patrick Artus	66	Independent Director	9 Years	9 Years	88,000
Ms. Patricia Barbizet	62	Lead Independent Director	10 Years	10 Years	130,644
Ms. Marie-Christine Coisne-Roquette	60	Independent Director	7 Years	7 Years	129,500
Mr. Mark Cutifani	59	Independent Director	<1 Year	< 1 Year	
Ms. Anne-Marie Idrac	66	Independent Director	6 Years	6 Years	79,000
Ms. Barbara Kux	63	Independent Director	7 Years	7 Years	102,500
Mr. Gerard Lamarche	56	Independent Director	6 Years	6 Years	147,000
Mr. Jean Lemierre	67	Independent Director	1 Year	1 Year	
Mr. Carlos Tavares	59	Independent Director	<1 Year	< 1 Year	
Ms. Maria van der Hoeven	68	Independent Director	1 Year	1 Year	

Mr. Jacque Aschenbroich92 Years22 Years2220.034Mr. Pascal Cloindmani71Honora ryChesord11 Years2 Years550.000Mr. Robert Charvier-Chef Financial Officer-8 Years550.000Mr. Bake Belani-Director - TrukkyMr. Ashok Belani-Director - Trukky <th>Age average</th> <th>62,1</th> <th></th> <th></th> <th></th> <th></th>	Age average	62,1				
Mr. Pascal Colombani11 Warrs2 Years50,000Mr. Robert CharvierChief Financial Officer8 YearsMr. Barka AkinDirector - TurkeyMr. Barka AkinDirector - Turkey<	Name	Age	Current Position	Officer/Director	In Position	Total Compensation (€)
Mr. Bobert CharvierChief Financial Officer8 yearsMr. Burk AkinDirector - IndiaMr. Abkok BelaniDirector - IndiaMr. Abkok BelaniDirector - Spain/Portugal	Mr. Jacques Aschenbroich	62	Chairman of the Board, Chief Executive Officer	9 Years	2 Years	2,220,034
Mr. Barta Akin-Director - Turkey	Mr. Pascal Colombani	71	Honorary Chairman of the Board	11 Years	2 Years	50,000
Mr. Akok BejaniDirector . IndlaMr. Farocis GoptonDirector . Spain/PortugalMr. Bis CoutoDirector . Spain/PortugalMr. Bis CoutoDirector . Spain/PortugalMr. Bis CoutoDirector . ChinaMr. Kavie DuportDirector . Olina	Mr. Robert Charvier		Chief Financial Officer		8 Years	
Ms. Francisse Colpron Ms. Iulis Couto Director - Spain/Portugal Ms. Rebecca Cullinan Director - Collan 8 Years 2 Years Mr. Educard de Prisy Director - Collan 8 Years 2 Years Mr. Educard de Prisy Director - Collan Mr. Educard de Prisy Director - Colland Mr. Bavid Ostalder Director - South America Mr. Sangt-Ro Kimm Director - South America Mr. Sangt-Ro Kimm Director - South Korea Mr. Marizio Martinelli President, Thermal Systems Business Group. 1 Year Mr. Hardisco Moreno President, Vaio Systems Business Group. 2 Years Mr. Hardisco Moreno President, Vaio Systems Business Group. 2 Years Mr. Hardisco Moreno President, Vaio Systems Business Group. 2 Years Mr. Hardisco Moreno President,	Mr. Burak Akin		Director - Turkey			
Mr. Luis CoutoMr. Bebacc QuilinanDirector - SASANMr. Bebacc QuilinanDirector - SASAN2 Years2 Years2 YearsMr. Kavier OupontDirector - South America2 Years2 YearsMr. Ravier OupontDirector - PolandMr. Ravier StanderDirector - Russia <t< td=""><td>Mr. Ashok Belani</td><td></td><td>Director - India</td><td>4 Years</td><td>4 Years</td><td></td></t<>	Mr. Ashok Belani		Director - India	4 Years	4 Years	
Ms. Bebeca Cullinan 0rrector - NEAN Mr. Edouard de Pirey Director - China Mr. Kavier Dupont President, Powertrain Systems Business Group 2 Years 2 Years Mr. Reginal de Hernogenes Mr. Reginal de Hernogenes Mr. Reginal de Hernogenes Mr. Anders Karlsson Director - South America Mr. Sangeh GK Director - South America Mr. Sangeh GK Director - South Korea Mr. Marizio Martinelli President, Thermal Systems Business Group; Director - Italy Mr. Aid Ordoobadi 55 Director - South Korea Mr. Eric Schule President, Valos Burice Activity 2 Years Mr. Bark Vecko President, Valos Business Group 7 Years 7 Years Mr. Ark Vecko President, Sales & Business Group 7 Years 7 Years Mr. Bark Vecko President, Group GMicer <td>Ms. Francoise Colpron</td> <td></td> <td>Director - North America</td> <td></td> <td></td> <td></td>	Ms. Francoise Colpron		Director - North America			
Mr. Eduard de Pirey Director - China 8 Years 6 Years Mr. Xavier Dupont President, Powertrain Systems Business Group 2 Years 2 Years Mr. David Stalder Director - Poland Mr. Reginaldo Hermogenes Director - Russia Mr. Aders Karson Director - Russia Mr. Maria Karson Director - Russia Mr. Maria Morthelli President, Visibility Systems Business Group; Director - Italy Mr. Faracisco Moreno President, Visibility Systems Business Group; Director - Italy Mr. Ali Ordobadi 56 Director - Japan <-1	Mr. Luis Couto		Director - Spain/Portugal			
Mr. Xavier Dupont - President, Powertrain Systems Business Group 2 Years 2 Years - Mr. Bavid Gstalder - Director - South America - - - Mr. Reginal O Hermogenes - Director - South America - - - Mr. Anders Karlsson - Director - South America - - - - Mr. Sung-Ho Kim - Director - South Korea - - - - - Mr. Sang-Ho Kim - Director - South Korea - </td <td>Ms. Rebecca Cullinan</td> <td></td> <td>Director - ASEAN</td> <td></td> <td></td> <td></td>	Ms. Rebecca Cullinan		Director - ASEAN			
Mr. David Gstalder - - - Mr. Reginaldo Hermogenes - Director - Poland - Mr. Anders Karlsson - - - Mr. SungHo Kim - Director - Russia - - Mr. Mauriz Kontraliel - - - - Mr. Fancisco Moreno - President, Visibility Systems Business Group 1 Year 1 Year Mr. Fici Schuler - President, Comfort & Director - Germany - - Mr. Derrick Zechmair - President, Comfort & Director - Germany - - Mr. Avel Maschka - Senior Vice-President, Research & Development - - Mr. Ban-Francois Tarabbia Sa Senior Vice-President, Research & Development and Product Marketing 5 Years - Mr. Banding Guilemet - Senior Vice-President, Research & Development and Product Marketing 2 Years 2 Years Mr. Banding Guilemet - Senior Vice-President, Research & Development - 6 Years - Mr. Bandi Guilemet - <td>Mr. Edouard de Pirey</td> <td></td> <td>Director - China</td> <td>8 Years</td> <td>6 Years</td> <td></td>	Mr. Edouard de Pirey		Director - China	8 Years	6 Years	
Mr. Reginaldo Hermogenes - Director - South America - - - Mr. Anders Karisson - Director - South Korea - - - Mr. Sung-Ho Kim - President, Visibility Systems Business Group; Director - Italy - - - Mr. Hardisco Moreno - President, Visibility Systems Business Group; Director - Italy - - - Mr. Francisco Moreno - President, Visibility Systems Business Group; Director - Italy - - - Mr. Ail Ordoobadi 56 Director - Japan <	Mr. Xavier Dupont		President, Powertrain Systems Business Group	2 Years	2 Years	
Mr. Andres KarlssonDirector - RussiaMr. Sung-Ho KimDirector - South Korea	Mr. David Gstalder		Director - Poland			
Mr. Sung-Ho KimDirector - South KoreaMr. Maurizio MartinelliPresident, Misbility Systems Business Group; Director - ItalyMr. Francisco MorenoPresident, Thernal Systems Business Group1 Year1 Year1 YearMr. All Ordoobadi56Director - Japan<	Mr. Reginaldo Hermogenes		Director - South America			
Mr. Haurizio Martinelli President, Visibility Systems Business Group; Director - Italy Mr. Aranisco Moreno President, Thermal Systems Business Group 1 Year 1.Year Mr. Ail Ordobadil 56 Director - Japan <1 Year	Mr. Anders Karlsson		Director - Russia			
Mr. Francisco Moreno President, Thermal Systems Business Group 1 Year 1 Year Mr. Ail Ordoobadi 56 Director - Japan <1 Year	Mr. Sung-Ho Kim		Director - South Korea			
Mr. Ali Ordoobadi56Director - Japan<1 Year<1 Year<1 YearMr. Cric SchulerPresident, Comfort & Driving Assistance Systems Business Group2 YearsMr. Mark VreckoDirector - GermanyMr. Derrick ZechmairDirector - Germany	Mr. Maurizio Martinelli		President, Visibility Systems Business Group; Director - Italy			
Mr. Eric Schuler President, Valeo Service Activity 2 Years Mr. Mark Vrecko President, Comfort & Driving Assistance Systems Business Group 7 Years 7 Years Mr. Derick Zechmair Director - Germany Mr. Christophe Perillat 52 Chief Operating Officer 7 Years 4 Years Mr. Acel Maschka - Senior Vice-President, Research & Development and Product Marketing 5 Years 5 Years 4 Years	Mr. Francisco Moreno		President, Thermal Systems Business Group	1 Year	1 Year	
Mr. Mark VreckoPresident, Comfort & Driving Assistance Systems Business Group7 Years7 YearsMr. Derrick ZechmairDirector - GermanyMr. Christophe Perillat52Chief Operating Officer4 YearsMr. Axel MaschkaSenior Vice-President, Sales & Business Development and Product Marketing5 Years5 Years	Mr. Ali Ordoobadi	56		< 1 Year	< 1 Year	
Mr. Derrick ZechmairDirector - GermanyMr. Christophe Perillat52Chief Operating Officer7 Years4 YearsMr. Axel MaschkaSenior Vice-President, Research & Development and Product Marketing5 Years5 Years5 YearsMr. Jean-Francois Tarabbia53Senior Vice-President, Human Resources2 Years2 Years2 YearsMr. Bruno GuillemetChief Ethics and Compliance Officer6 Years2 YearsMr. Geoffrey BouquotVice-President, Corporate Strategy and External Relations2 Years2 YearsMr. Geoffrey BouquotVice-President, Communications7 Years7 YearsMr. Rodolphe GarnierGeneral Counsel2 Years2 Years2 YearsMr. Georges Pauget70Lead Independent DirectorMr. Georges Pauget70Lead Independent DirectorMr. Georges Pauget70Lead Independent DirectorMr. Georges Pauget70Lead Independent Director <td< td=""><td>Mr. Eric Schuler</td><td></td><td>President, Valeo Service Activity</td><td></td><td>2 Years</td><td></td></td<>	Mr. Eric Schuler		President, Valeo Service Activity		2 Years	
Mr. Christophe Perillat52Chief Operating Officer7 YearsMr. Axel Maschka-Senior Vice-President, Sales & Business Development4 YearsMr. Jean-Francois Tarabbia53Senior Vice-President, Research & Development and Product Marketing5 Years5 YearsMr. Bruno Guillemet-Senior Vice-President, Human Resources2 Years2 Years2 YearsMs. Gatherine Delhaye-Chief Ethics and Compliance Officer6 Years2 YearsMr. Geoffrey Bouquot-Vice-President, Communications7 YearsMr. Rich Gernier-General Counsel2 Years2 YearsMr. Rodolphe Garnier-Group Internal Aduit and Internal Control Director	Mr. Mark Vrecko		President, Comfort & Driving Assistance Systems Business Group	7 Years	7 Years	
Mr. Axel Maschka Senior Vice-President, Sales & Business Development 4 Years Mr. Rean-Francois Tarabbia 53 Senior Vice-President, Research & Development and Product Marketing 5 Years 5 Years Mr. Bruno Guillemet Senior Vice-President, Research & Development and Product Marketing 2 Years 2 Years Mr. Bruno Guillemet Chief Ethics and Compliance Officer 6 Years 2 Years Mr. Geoffrey Bouquot Vice-President, Corporate Strategy and External Relations 2 Years 2 Years 2 Years Mr. Ficic Fredette General Counsel 7 Years 2 Years 2 Years Mr. Georges Pauget 70 Lead Independent Director Mr. Fric Chauvirey Director, Representing Employees 11 Years 12 Years 12 Years 136,7003 Mr. Acide de Fabiani 72 Independent Director 12 Years 12 Years 148,700 Mr. Eric Chauvirey Director, Representing Employees 12 Years 12 Years 12 Years <	Mr. Derrick Zechmair		Director - Germany			
Mr. Jean-Francois Tarabbia53Senior Vice-President, Research & Development and Product Marketing5 Years5 Years-Mr. Bruno Guillemet-Senior Vice-President, Human Resources2 Years2 Years2 Years-Ms. Catherine Delhaye-Chief Ethics and Compliance Officer-6 YearsMr. Geoffrey Bouquot-Vice-President, Corporate Strategy and External Relations2 Years2 Years2 Years-Mr. Geoffrey Bouquot-Vice-President, Communications7 Years7 YearsMr. Fabienne de Brebisson-Vice-President, Communications7 Years7 YearsMr. Rodolphe Garnier-General CounselMr. Georges Pauget70Lead Independent Director<	Mr. Christophe Perillat	52	Chief Operating Officer		7 Years	
Mr. Bruno Guillemet Senior Vice-President, Human Resources 2 Years 2 Years Ms. Catherine Delhaye Chief Ethics and Compliance Officer 6 Years Mr. Geoffrey Bouquot Vice-President, Corporate Strategy and External Relations 2 Years 2 Years Mr. Geoffrey Bouquot Vice-President, Communications 7 Years 7 Years Mr. Fric Fredette General Counsel 2 Years 2 Years 2 Years Mr. Rodolphe Garnier Group Internal Audit and Internal Control Director Mr. Georges Pauget 70 Lead Independent Director 11 Years 2 Years 136,703 Mr. Fic Chauvirey Director, Representing Employees 1 Years 12 Years 12 Years 79,000 Mr. Jerone Contamine 59 Independent Director 12 Years 12 Years 48,769 Mr. Arichel de Fabiani 72 Independent Director 12 Years 8 Years 85,000 Ms. Sarie House 65 Independent Director 3 Years	Mr. Axel Maschka		Senior Vice-President, Sales & Business Development		4 Years	
Ms. Catherine Delhaye Chief Ethics and Compliance Officer 6 Years Mr. Geoffrey Bouquot Vice-President, Corporate Strategy and External Relations 2 Years 2 Years Mr. Geoffrey Bouquot General Counsel 7 Years 2 Years Mr. Eric Fredette General Counsel 2 Years 2 Years 2 Years Mr. Bodolphe Garnier Group Internal Audit and Internal Control Director Mr. George Pauget 70 Lead Independent Director 11 Years 2 Years 136/200 Mr. Eric Chauvirey Director, Representing Employees 11 Years 12 Years 12 Years 79,000 Mr. Jerone Contamine 59 Independent Director 12 Years 12 Years 85,000 Mr. Acol Lea Loi Independent Director 12 Years 8 Years 8 Years 85,000 Mr. Score S	Mr. Jean-Francois Tarabbia	53	Senior Vice-President, Research & Development and Product Marketing	5 Years	5 Years	
Ms. Catherine Delhaye Chief Ethics and Compliance Officer 6 Years Mr. Geoffrey Bouquot Vice-President, Corporate Strategy and External Relations 2 Years 2 Years Mr. Geoffrey Bouquot Vice-President, Compunications 7 Years Mr. Eric Fredette General Counsel 2 Years 2 Years 2 Years Mr. Rodolphe Garnier Group Internal Audit and Internal Control Director Mr. Georges Pauget 70 Lead Independent Director 11 Years 2 Years 136,703 Mr. Eric Chauvirey Director, Representing Employees 11 Years 12 Years 12,70,000 Mr. Jerone Chamine 52 Independent Director 12 Years 12,72,802 79,000 Mr. Jerone Chamine 52 Independent Director 12 Years 12,72,802 79,000 Mr. Jerone Chamine 52 Independent Director 12 Years 12,72,802 79,000 Mr. Jenchel Legola 72 Independent Director 3 Years 3 Years	Mr. Bruno Guillemet		Senior Vice-President, Human Resources	2 Years	2 Years	
Ms. Fabienne de BrebissonVice-President, Communications7 Years7 Years7 YearsMr. Eric FredetteGeneral Counsel2 Years2 Years2 YearsMr. Rodolphe GarnierGroup Internal Audit and Internal Control DirectorMr. Georges Pauget70Lead Independent Director11 Years2 Years136,703Mr. Eric ChauvireyDirector, Representing Employees1 Year1 Years79,000Mr. Jerome Contamine59Independent Director12 Years12 Years12 Years48,760Mr. Jerome Contamine59Independent Director12 Years12 Years48,760Ms. Caroline Devine65Independent Director8 Years8 Years85,000Ms. Sarcie Noelle Lego-Laveissier49Independent Director3 Years3 Years661,000Ms. Marie-Noelle Lego-Laveissier49Independent Director1 Year12,29,27348,700Ms. Urike Steinhorst65Independent Director7 Years61,000Ms. Marie-Noelle Lego-Laveissier49Independent Director7 Years61,000Ms. Urike Steinhorst65Independent Director7 Years61,000Ms. Noelle Lenoir68Independent Director7 Years61,000Ms. Urike Steinhorst65Independent Director7 Years61,000Ms. Urike Steinhorst65Independent Director7 Yea	Ms. Catherine Delhaye		Chief Ethics and Compliance Officer		6 Years	
Mr. Eric Fredette General Counsel 2 Years 2 Years Mr. Bodolphe Garnier Group Internal Audit and Internal Control Director Mr. Georges Pauget 70 Lead Independent Director 11 Years 2 Years 136,703 Mr. Eric Chauvirey Director, Representing Employees 11 Year 1 Year 12 Years 79,000 Mr. Jerong Contamine 59 Independent Director 12 Years 12 Years 48,769 Mr. Acord Contamine 59 Independent Director 12 Years 8 Years 85,000 Mr. Acord Contamine 65 Independent Director 3 Years 3 Years 65,000 Ms. Arairle Noelle Lego-Laveissier 49 Independent Director 3 Years 3 Years 61,000 Ms. Marie-Noelle Lego-Laveissier 49 Independent Director 7 Years 61,000 Mr. Thierry Moulonguet 68 Independent Director 7 Years 7 Years 7 Years 7 Years Ms. Ulrike Steinhorst 65 Independent Director 6 Years 6 Years 7 Years 7 Years Ms. Ulrike Steinhorst 65 Independent Director 7 Years 7 Years 7 Years 7	Mr. Geoffrey Bouquot		Vice-President, Corporate Strategy and External Relations	2 Years	2 Years	
Mr. Rodolphe Garnier Group Internal Audit and Internal Control Director Mr. Georges Pauget 70 Lead Independent Director 11 Years 2 Years 136,703 Mr. Eric Chauvirey Director, Representing Employees 1 Year 1 Year 1 Year Dr. Daniel Camus 65 Independent Director 12 Years 12 Years 79,000 Mr. Jerome Contamine 59 Independent Director 12 Years 12 Years 48,769 Mr. Michel de Fabiani 72 Independent Director 8 Years 8 Years 85,000 Ms. Caroline Devine 65 Independent Director 3 Years 3 Years 61,000 Ms. Marie-Neelle Lego-Laveissier 49 Independent Director 7 Years 61,000 Ms. Independent Director 6 Independent Director 7 Years 61,000 Ms. Marie-Neelle Lego-Laveissier 49 Independent Director 7 Years 61,000 Ms. Marie-Neelle Lego-Laveissier 6 Independent Director 6 Years 7 Years 7,000 Ms. Urlike Steinhorst 65 Independent Director 7 Years 7 Years 8,8231 Ms. Urlike Steinhorst	Ms. Fabienne de Brebisson		Vice-President, Communications	7 Years	7 Years	
Mr. Georges Pauget70Lead Independent Director11 Years2 Years136,703Mr. Eric Chauvirey-Director, Representing Employees1 Year1 Year-Dr. Daniel Camus65Independent Director12 Years12 Years79,000Mr. Jerome Contamine59Independent Director12 Years12 Years48,769Mr. Michel de Fabiani72Independent Director8 Years8 Years8 Years85,000Ms. Caroline Devine65Independent Director3 Years3 Years66,1000Ms. Marie-Noelle Lego-Laveissier49Independent Director1 Year12,9273Ms. Noelle Lenoir68Independent Director7 Years61,000Mr. Interry Moulonguet66Independent Director7 Years61,000Ms. Urike Steinhorst65Independent Director7 Years61,000Ms. Urike Steinhorst65Independent Director7 Years61,000Ms. Urike Steinhorst65Independent Director7 Years7 Years88,231Ms. Veronique Weill58Independent Director7 Years7 Years88,231	Mr. Eric Fredette		General Counsel	2 Years	2 Years	
Mr. Eric Chauvirey Director, Representing Employees 1 Year 1 Year Dr. Daniel Camus 65 Independent Director 12 Years 12 Years 79,000 Mr. Jerome Contamine 59 Independent Director 12 Years 12 Years 48,769 Mr. Michel de Fabiani 72 Independent Director 8 Years 8 Years 85,000 Ms. Aracino Devine 65 Independent Director 3 Years 3 Years 61,000 Ms. Marie-Noelle Jego-Laveissier 49 Independent Director 1 Year 129,973 Ms. Noelle Lenoir 68 Independent Director 7 Years 61,000 Mr. Thierry Moulonguet 66 Independent Director 7 Years 61,000 Ms. Ulrike Steinhorst 65 Independent Director 7 Years 7 Years 70,000 Ms. Ulrike Steinhorst 65 Independent Director 7 Years 7 Years 88,231 Ms. Veronique Weill 58 Independent Director 1 Year 26,973	Mr. Rodolphe Garnier		Group Internal Audit and Internal Control Director			
Dr. Daniel Camus65Independent Director12 Years12 Years79,000Mr. Jerome Contamine59Independent Director12 Years12 Years48,769Mr. Michel de Fabiani72Independent Director8 Years8 Years65,000Ms. Caroline Devine65Independent Director3 Years61,000Ms. Marie-Noelle Jego-Laveissier49Independent Director1 Year1 Year29,973Ms. Noelle Lenoir68Independent Director7 Years61,000Mr. Thierry Moulonguet66Independent Director6 Years6 Years70,000Ms. Urlike Steinhorst65Independent Director7 Years7 Years88,231Ms. Veronique Weill58Independent Director1 Year1 Year26,973	Mr. Georges Pauget	70	Lead Independent Director	11 Years	2 Years	136,703
Mr. Jerome Contamine59Independent Director12 Years12 Years48,769Mr. Michel de Fabiani72Independent Director8 Years8 Years8 Years85,000Ms. Caroline Devine65Independent Director3 Years3 Years3 Years61,000Ms. Marie Noelle Lego-Laveissier49Independent Director1 Year229,973Ms. Noelle Lenoir68Independent Director7 Years61,000Mr. Thierry Moulonguet66Independent Director6 Years6 Years61,000Ms. Ulrike Steinhorst65Independent Director7 Years61,000Ms. Ulrike Steinhorst65Independent Director7 Years7 Years88,231Ms. Veronique Weill58Independent Director1 Year26,973	Mr. Eric Chauvirey		Director, Representing Employees	1 Year	1 Year	
Mr. Michel de Fabiani 72 Independent Director 8 Years 8 Years 8 Years 8 Spool Ms. Caroline Devine 65 Independent Director 3 Years 3 Years 61,000 Ms. Marie-Noelle Jego-Laveissier 49 Independent Director 1 Year 1 Years 29,973 Ms. Noelle Lenoir 68 Independent Director 7 Years 61,000 Mr. Thierry Moulonguet 66 Independent Director 6 Years 6 Years 70,000 Ms. Ulrike Steinhorst 65 Independent Director 7 Years 7 Years 7 Years 88,237 Ms. Vernique Weill 58 Independent Director 1 Year 26,973	Dr. Daniel Camus	65	Independent Director	12 Years	12 Years	79,000
Ms. Caroline Devine 65 Independent Director 3 Years 3 Years 61,000 Ms. Marie-Noelle Jego-Laveissiere 49 Independent Director 1 Year 1 Year 29,973 Ms. Noelle Lenoir 68 Independent Director 7 Years 61,000 Mr. Thierry Moulonguet 66 Independent Director 6 Years 6 Years 70,000 Ms. Ulrike Steinhorst 65 Independent Director 7 Years 7 Years 88,231 Ms. Veronique Weill 58 Independent Director 1 Year 1 Year 26,973	Mr. Jerome Contamine	59	Independent Director	12 Years	12 Years	48,769
Ms. Marie-Noelle Jego-Laveissiere 49 Independent Director 1 Year 1 Year 29,973 Ms. Noelle Lenoir 68 Independent Director 7 Years 61,000 Mr. Thierry Moulonguet 66 Independent Director 6 Years 6 Years 7 Years 7 7,000 Ms. Ulrike Steinhorst 65 Independent Director 7 Years 7 Years 88,231 Ms. Veronique Weill 58 Independent Director 1 Year 1 Year 26,973	Mr. Michel de Fabiani	72	Independent Director	8 Years	8 Years	85,000
Ms. Noelle Lenoir 68 Independent Director 7 Years 61,000 Mr. Thierry Moulonguet 66 Independent Director 6 Years 6 Years 70,000 Ms. Ulrike Steinhorst 65 Independent Director 7 Years 7 Years 78,82,31 Ms. Veronique Weill 58 Independent Director 1 Year 1 Year 26,973	Ms. Caroline Devine	65	Independent Director	3 Years	3 Years	61,000
Ms. Noelle Lenoir 68 Independent Director 7 Years 61,000 Mr. Thierry Moulonguet 66 Independent Director 6 Years 6 Years 70,000 Ms. Ulrike Steinhorst 65 Independent Director 7 Years 748,233 Ms. Veronique Weill 58 Independent Director 1 Year 1 Year	Ms. Marie-Noelle Jego-Laveissiere	49				
Ms. Ulrike Steinhorst 65 Independent Director 7 Years 7 Years 7 Years 88,231 Ms. Veronique Weill 58 Independent Director 1 Year 1 Year 26,973	Ms. Noelle Lenoir	68	Independent Director	7 Years		61,000
Ms. Ulrike Steinhorst 65 Independent Director 7 Years 7 Years 7 Years 88,231 Ms. Veronique Weill 58 Independent Director 1 Year 1 Year 26,973	Mr. Thierry Moulonguet	66	Independent Director	6 Years	6 Years	· · · · · · · · · · · · · · · · · · ·
Ms. Veronique Weill 58 Independent Director 1 Year 1 Year 26,973	Ms. Ulrike Steinhorst	65		7 Years	7 Years	
	Ms. Veronique Weill					
	Mr. Thierry Lacorre					

Vivendi SA

Age average	52,2				
Name	Age	Current Position	Officer/Director	In Position	Total Compensation (€)
Mr. Vincent Bollore	65	Chairman of the Supervisory Board	5 Years	3 Years	60,000
Mr. Arnaud Nicolas de Puyfontaine	53	Chairman of the Management Board, Chief Executive Officer		3 Years	2,349,359
Mr. Philippe Benacin	58	Vice Chairman of the Supervisory Board	3 Years	3 Years	105,000
Mr. Herve Philippe	59	Chief Financial Officer, Member of the Management Board	4 Years	3 Years	1,841,128
Mr. Stephane Roussel	55	Chief Operating Officer, Member of the Management Board	9 Years	2 Years	2,096,411
Mr. Simon Gillham	61	Member of the Management Board, Chairman of Vivendi Village and Senior Executive Vice President,	11 Years	2 Years	743,228
		Communications of Vivendi			
Mr. Laurent Mairot	45 Executive Vice President, Head of Corporate Development and of Investor Relations		3 Years	3 Years	
Mr. Frederic Crepin	47	Member of the Management Board, General Counsel, Company Secretary	12 Years	3 Years	921,066
Mr. Gilles Alix	59	Member of the Management Board			
Mr. Cedric de Bailliencourt	48	Member of the Management Board			
Mr. Tarak Ben Ammar	68	Independent Member of the Supervisory Board	3 Years	3 Years	90,000
Mr. Yannick Bollore	37	Member of the Supervisory Board			47,500
Mr. Paulo Cardoso	43	Employee Representative on the Supervisory Board	3 Years	3 Years	90,000
Mr. Dominique Delport	49	Member of the Supervisory Board	3 Years	3 Years	90,000
Ms. Veronique Driot-Argentin	54	Member of the Supervisory Board	1 Year	1 Year	
Ms. Aliza Jabes	55	Independent Member of the Supervisory Board	8 Years	8 Years	80,000
Ms. Katie Jacobs Stanton	48	Independent Member of the Supervisory Board	3 Years	3 Years	90,000
Ms. Cathia Lawson-Hall	46	Independent Member of the Supervisory Board	2 Years	2 Years	115,000
Ms. Sandrine Le Bihan	46	Member of the Supervisory Board Representing Employee Shareholders	1 Year	1 Year	
Ms. Virginie Morgon	47	Independent Member of the Supervisory Board	3 Years	3 Years	90,000

Age average	58,4				
Name	Age	Current Position	Officer/Director	In Position	Total Compensation (€)
Mr. Antoine Frerot	59	Chairman of the Board, Chief Executive Officer, Member of the Executive Committee	8 Years	7 Years	2,305,749
Mr. Louis Schweitzer	75	Vice Chairman of the Board, Lead Independent Director	15 Years	4 Years	166,640
Mr. Philippe Capron	59	Chief Financial Officer, Member of the Executive Board, Member of the Management Committee	4 Years	3 Years	
Mr. Jacques Aschenbroich	62	Independent Director, Chairman and CEO of Valeo	6 Years	2 Years	54,740
Ms. Maryse Aulagnon	68	Independent Director, Chairman and CEO of Affine RE	6 Years	6 Years	36,680
Ms. Clara Gaymard	57	Independent Director, President of RAISE	2 Years	2 Years	37,315
Mrs. Marion Guillou	63	Independent Director, Chairman of the Board of Directors of Agreenium	5 Years	3 Years	49,840
Mr. Francois Bertreau	62	Chief Operating Officer and Member of the Executive Committee, Member of the Management Committee	5 Years	5 Years	
Mr. Jean-Marie Lambert	60	Senior Executive Vice President of Human Resources, Member of the Executive Committee, Member of the Management Committee	6 Years	4 Years	
Mr. Laurent Auguste				4 Years	
Ms. Estelle Brachlianoff	45	Senior Executive Vice President - United Kingdom and Ireland, Member of the Executive Committee, Member of the Management Committee	4 Years	4 Years	
Mr. Regis Calmels	62	Senior Executive Vice President - Asia, Member of the Executive Committee, Member of the Management Committee	4 Years	4 Years	
Mr. Philippe Guitard	57	Senior Executive Vice President - Central and Eastern Europe, Member of the Executive Committee, Member of the Management Committee	4 Years	4 Years	
Mr. Patrick Labat		Senior Executive Vice President - Nothern Europe, Member of the Executive Committee, Member of the Management Committee			
Mr. Patrice Fonlladosa		Executive Vice President Africa & Middle East, Member of the Management Committee			
Mr. Gustavo Migues		Executive Vice President Latin America, Member of the Management Committee			
Mr. Laurent Obadia		Senior Vice President Communications, Advisor to the Chairman & CEO, Member of the Management Committee			
Mr. Christophe Nebon		Technical and Performance Director, Member of the Management Committee			
Mr. Eric Haza		Chief Legal Officer, Member of the Management Committee			
Mr. Olivier Mareuse	53	Director, Chief Financial Officer of Caisse des depots et consignations (CDC) group	6 Years	6 Years	33,320
Mr. Sylvain Boucher		Delegate for France, Member of the Management Committee			
Ms. Samantha Bowles		Deputy Director of Human Resources, Member of the Management Committee			
Mr. Doug Dean		CEO & Managing Director, Veolia Australia and New Zealand, Member of the Management Committee			
Mr. William DiCroce		President & Chief Executive Officer North America, Member of the Management Committee			
Ms. Claire Falzone		Chief of Staff to the Chairman & CEO, Member of the Management Committee			
Mr. Bernard Harambillet		CEO Waste Solutions for Veolia in France, Member of the Management Committee			
Mr. Jean-Francois Nogrette		Chief Executive Officer of Veolia Water Technologies, Member of the Management Committee			
Mr. Frederic Van Heems		CEO Water for Veolia in France, Member of the Management Committee			
Mr. Helman le Pas de Secheval	51	General Counsel, Member of the Executive Committee, Member of the Management Committee	5 Years	4 Years	
Mr. Claude Laruelle		Director of Global Enterprises, Member of the Executive Committee, Member of the Management Committee			
Mr. Pavel Pasa	52	Director - Employees Representative	3 Years	3 Years	83,202
Mr. Guillaume Texier	43	Director	2 Years	2 Years	14,862
Mr. Pierre Victoria	ictoria 62 Director, Sustainable Development Director		3 Years	3 Years	98,741
Dr. Homaira Akbari	56 Independent Director		3 Years	3 Years	48,117
Mr. Nabeel Al-Buenain	in 47 Independent Director - Permanent representative of Qatari Diar Real Estate Investment Company		1 Year	1 Year	
Mr. Daniel Bouton	67	Independent Director	15 Years	15 Years	109,200
Ms. Isabelle Courville	54	Independent Director	2 Years	2 Years	33,991
Mr. Baudouin Prot	66	Independent Director	15 Years	15 Years	31,360
Ms. Nathalie Rachou	60	Independent Director	6 Years	6 Years	41,370
Mr. Paolo Scaroni	70	Independent Director	11 Years	11 Years	37,595

Orange SA

Age average	56				
Name	Age	Current Position	Officer/Director	In Position	Total Compensation (€)
Mr. Stephane Richard	56	Chairman of the Board, Chief Executive Officer, Member of Executive Committee	15 Years	7 Years	1,445,770
Mr. Ramon Fernandez	50	Delegate Chief Executive Officer, Chief Financial and Strategy Officer, Member of the Executive Committee	3 Years	2 Years	
Mr. Pierre Louette	55	Deputy Chief Executive Officer, General Secretariat of the Group, Orange Wholesale France and Purchases.	8 Years	2 Years	
		Member of the Executive Committee			
Mr. Thierry Bonhomme	61	Deputy Chief Executive Officer - Orange Business Services, Member of the Executive Committee	8 Years	2 Years	
Mr. Bruno Mettling	58	Deputy Chief Executive Officer - Operations in Africa and the Middle East (MEA), Member of the Executive	8 Years	2 Years	
		Committee			
Mr. Gervais Pellissier	58	Delegate Chief Executive Officer, European Operations, Member of the Executive Committee	12 Years	2 Years	1,073,260
Mr. Marc Rennard	60	Deputy Chief Executive Officer, Customer Experience and Mobile Financial Services, Member of the Executive		2 Years	
		Committee			
Ms. Marie-Noelle Jego-Laveissiere	49	Senior Executive Vice-President Innovation, Marketing and Technology, Member of the Executive Committee	4 Years	4 Years	
Ms. Christine Albanel	62	Senior Executive Vice-President Corporate Social Responsibility, Diversity, Partnerships and Inclusiveness,	8 Years	5 Years	
		Member of the Executive Committee			
Mr. Jerome Barre	55	Senior Executive Vice-President in charge of Human Resources, Member of the Executive Committee	2 Years	2 Years	
Ms. Fabienne Dulac	50	Senior Executive Vice-President - Orange France, Member of the Executive Committee	2 Years	2 Years	
Ms. Beatrice Mandine	49	Senior Executive Vice President in charge of Communication and the Brand, Member of the Executive		5 Years	
		Committee			
Mr. Daniel Bertho	61	Employee Representative on the Board of Directors	4 Years	4 Years	42,000
Ms. Ghislaine Coinaud	61	Employee Representative on the Board of Directors	8 Years	8 Years	48,000
Mr. Nicolas Dufourcq	54	Director - Representative of Bpifrance Participations	17 Years	1 Year	40,000
Mr. Daniel Guillot	61	Employee Representative on the Board of Directors	8 Years	8 Years	48,000
Ms. Anne Lange	49	Representative of the French State on the Board of Directors	2 Years	2 Years	44,000
Ms. Helene Marcy	58	Representative of Employee Shareholders on the Board of Directors	1 Year	1 Year	10,344
Ms. Lucie Muniesa	42	Representative of the French State on the Board of Directors	2 Years	2 Years	43,071
Mr. Bernard Ramanantsoa	69	Independent Director	1 Year	1 Year	17,656
Mr. Alexandre Bompard	44	Independent Director	1 Year	1 Year	656
Mr. Charles-Henri Filippi	65	Independent Director	10 Years	10 Years	48,986
Ms. Christel Heydemann		Independent Director	< 1 Year	< 1 Year	
Ms. Helle Kristoffersen	53	Independent Director	6 Years	6 Years	42,000
Ms. Mouna Sepehri	54	Independent Director	3 Years	3 Years	49,000
Mr. Jean-Michel Severino	60	Independent Director	6 Years	6 Years	50,000
Mr. Patrice Lambert - de Diesbach	61	Head of investor relations			

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Age average	59,9				
Name	Age	Current Position	Officer/Director	In Position	Total Compensation (€)
Mr. Xavier Huillard	62	Chairman of the Board and Chief Executive Officer, Chairman of the Executive Committee and Chairman of the Management and Coordination Committee	20 Years	8 Years	2,322,870
Mr. Yves-Thibault de Silguy	68	Vice Chairman of the Board and Senior Director	18 Years	8 Years	205,000
Mr. Christian Labeyrie	61	Executive Vice President, Chief Financial Officer, Member of the Executive Committee	28 Years	1 Year	203,000
Mr. Patrick Lebrun		Member of the Management and Coordination Committee, Executive Vice President of VINCI Energies, Company Secretary			
Mr. Herve Adam		Member of the Management and Coordination Committee, Executive Vice President of VINCI Energies, VINCI Energies	8 Years	3 Years	
Mr. Arnaud Grison		France Executive Vice President of VINCI Energies, VINCI Energies International & Systems; Member of the Management and		2 Years	
Mr. Bernard Latour		Coordination Committee Member of the Management and Coordination Committee, Executive Vice President of VINCI Energies, VINCI Energies		3 Years	
Mr. Christophe Pelissie du Rausas		Europe Member of the Management and Coordination Committee, Executive Vice President - Program Management, VINCI Concessions, Chairman - VINCI Railways			-
Mr. Fadi Selwan	elwan Executive Vice President, Business Development of VINCI Concessions; Chairman of VINCI Highways; Member of the				
Mr. Disbard Franciali	F 0	Management and Coordination Committee	12 Vears	1 Voo -	
Mr. Richard Francioli	58	Executive Vice President, Contracting; Member of the Executive Committee	12 Years	1 Year	
Mr. Franck Mougin	-	Vice President, Human Resources and Corporate Social Responsibility; Member of the Executive Committee and Member of the Management and Coordination Committee	8 Years	8 Years	-
Mr. Pierre Duprat	54	Member of the Executive Committee and Member of the Management and Coordination Committee; Vice President, Corporate Communications	10 Years	3 Years	
Mr. Patrick Richard	60	General Counsel, Secretary to the Board of Directors, Member of the Executive Committee, Member of the Management and Coordination Committee	-	12 Years	-
Ms. Alexandra Boutelier	elier – Deputy General Manager of Consortium Stade de France, VINCI Stadium; Member of the Management and Coordination Committee		-	2 Years	-
Mr. Pierre Coppey	54	Deputy General Manager of VINCI and Chairman of VINCI Autoroutes, Member of the Executive Committee	17 Years	1 Year	798,877
Mr. Jean-Pierre Lamoure	68	Director, Member of the Management and Coordination Committee, Honorary Chairman of Soletanche Freyssinet	9 Years		61,500
Mr. Alain Bonnot		Chairman of VINCI Construction Grands Projets, Member of the Management and Coordination Committee			
Mr. Olivier de la Roussiere		Chairman of VINCI Immobilier; Member of the Management and Coordination Committee			-
Mr. Hugues Fourmentraux		Chairman of VINCI Construction France; Member of the Management and Coordination Committee			
Mr. Gilles Godard		Chairman of VINCI Construction International Network, Member of the Management and Coordination Committee			
Mr. Benoit Lecing		Member of the Management and Coordination Committee; Chairman of Entrepose			-
Mr. Sebastien Morant		Member of the Management and Coordination Committee; Chief Executive Officer of VINCI Autoroutes			-
Mr. Xavier Neuschwander		Chief Executive Officer of Eurovia, Europe, rail and specialities; Member of the Management and Coordination Committee			-
Mr. Jean-Pierre Paseri		Member of the Management and Coordination Committee; Chief Executive Officer of Eurovia, France			-
Mr. Manuel Peltier		Member of the Management and Coordination Committee; Chairman of Soletanche Freyssinet			-
Mr. Patrick Sulliot		Member of the Management and Coordination Committee, Chief Executive Officer - Eurovia Americas and UK			-
Mr. Pierre Aniolras	51	Member of the Executive Committee, Chairman of Eurovia		1 Year	
Mr. Bruno Dupety	61	Member of the Executive Committee and Director of International Business	9 Years	1 Year	
Mr. Yves Meignie	61	Chairman and Chief Executive Officer of VINCI Energies, Member of the Executive Committee		1 Year	-
Mr. Nicolas Notebaert		Chief Executive Officer of VINCI Concessions		1 Year	-
Mr. Jerome Stubler		Member of the Executive Committee, Chairman of VINCI Construction		1 Year	
Mr. Uwe Chlebos	58	Director, Employee Representative	4 Years	4 Years	71,500
Mr. Miloud Hakimi	55	Director, Employee Representative	4 Years	4 Years	
Mrs. Josiane Marguez	60	Director, Employee Shareholders Representative	3 Years	3 Years	65,000
Mr. Nasser Al Ansari	52	Independent Permanent Representative of Qatar Holding LLC on the Board of Directors	4 Years	3 Years	140,525
Mrs. Yannick Assouad	56	Independent Director	5 Years	5 Years	62,542
Mr. Robert Castaigne	71	Independent Director	11 Years	11 Years	95,000
Ms. Graziella Gavezotti	64	Independent Director	5 Years	5 Years	74,500
Mrs. Marie-Christine Lombard	58	Independent Director			54,500
Mrs. Ana Pessoa	49	Independent Director	3 Years	3 Years	73,000
Mr. Michael Pragnell	69	Independent Director	9 Years	9 Years	74,958
Mr. Henri Saint Olive	72	Independent Director	18 Years	12 Years	80,000
Ms. Pascale Sourisse	55	Independent Director	11 Years	11 Years	64,500
Mr. Arnaud Palliez	- 33	Director of Investor Relations and Financial Communication	11 10013	3 Years	04,500

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Ab. Mar Provide Construction of Provide National Actional Resource, Number of the Grap Receive Construction of Provide National Provide Nationa	Mr. Denis Le Vot	52		3 Years	2 Years	-
dr. Buno Anderlan 50 Decouper VLA President, Product Planning and Programs, Merelar of the Ecocyte Committee and Management 9 Years 3 Years Mr. Thiery Bolare 51 Decouver VLA President and Chef Competitive Office, Merelar of the Graps Leccute Committee and Management 5 Years 4 Years Mr. Disorble Centel de los Manas Decouver VLA President of Tage centering. Member of the Graps Leccute Committee and Management Committee 5 Years 3 Years Mr. Disorble Centel de los Manas Decouver VLA President of Tage centering. Member of the Graps Leccute Committee and Management Committee 5 Years 2 Years 2 Years Mr. Disorble Centel de los Manas Decouver VLA President of Tage and Marketing, Member of the Management Committee, Member of the Decouver 8 Years 2 Years 2 Years Mr. Disorble Mailer 5 Decouver VLA President, Chaf Performance Office, Member of the Graps Leccute Committee and 9 Years 2 Years 2 Years Mr. Disorble Mailer 5 Decouver VLA President, Chaf Performance Office, Member of the Graps Leccute Committee and 9 Years 2 Years Mr. Disorble Mailer 6 Decouver VLA President, Manufacturing Guade Masagement Committee and 9 Years 2 Years Mr. Disorble Mailer 6 D	Ms. Marie-Francoise Damesin		Executive Vice President Group and Alliance Human Resources, Member of the Group Executive Committee and			-
Mr. Neurope Vice Precision: and Child Competitive Officer, Member of the Group Executive Committee, America of the Committee of	Mr. Bruno Ancelin	59	Executive Vice President, Product Planning and Programs, Member of the Executive Committee and Management	9 Years	3 Years	
dr. Ious-Vincente die Isokons 55 Security Vice President Group Manufacturing & logistics, Member of the Kanagement Committee, Member of the Security - 3 Years dr. Gasard Saston Akullan 52 Security Vice President de Spinoreirog, Member of the Kanagement Committee, Member of the Saston Statistics and Management Committee, Member of the Group Executive Committee and Management Committee, Member of the Group Executive Committee and Management Committee, Member of the Group Executive Committee and Management Committee and Committee and Management Com	Mr. Thierry Bollore	54	Executive Vice President and Chief Competitive Officer, Member of the Group Executive Committee and Management	5 Years	4 Years	
dr. Gaspar Account Adellan 52 Descriptive User President of Engineering, Member of the Advangement Committee 5 Years 2 Years dr. Namer, Christophe Ragion 55 Descriptive Vac President, Daiman of Europe Ragion, Member of the Management Committee, Member of the Executive 8 Years 2 Years dr. Sand-Christophe Ragion 57 Descriptive Vac President, Christophe Ragion, Member of the Group Executive Committee and Management 5 Years 3 Years dr. Sadan Advantive Market State Math Matcher of the Group Executive Committee and 7 Years 7 Years dr. Christophe Ragion 54 Descriptive Vac President, Daint Performance Officer, Member of the Group Executive Committee and 7 Years 3 Years dr. Christophe Ragion 55 Descriptive Vac President, Mandracturing Exploreing and Supply Chain Management. 4 Years 3 Years dr. Christophe Ragion 75 Secriptive Vac President, Marinet are France, Member of the Management Committee 4 Years 3 Years dr. Printippe Baros 56 Secriptive Vac President, Marinet are France, Member of the Management Committee 1 Year 1 Years dr. Printippe Baros 50 Birares Geronic Yace President, Marinet are France, Member of the Management Committee 1 Years 3 Year	Mr. Jose-Vincente de los Mozos	55	Executive Vice President Group Manufacturing & Logistics, Member of the Management Committee, Member of the		3 Years	
M. Thirpy RoksiaCRecur WC Prelident Of Sile and Marketing, Member of the Management Committee, Member of the Executive2 Pars2 ParsM. Raa Christophe KugieSRecurd WC Prelident, Chairman of Surope Ragion, Member of the Management Committee, Member of the Executive8 Pars2 ParsM. Sadan MuleriSRecurd WC Prelident, Chairman of Surope Ragion, Member of the Group Executive Committee and Management7 Pars2 ParsM. Solan MuleriSRecurd WC Prelident, Chairman of Buffer, Member of the Group Executive Committee and Management7 Pars3 ParsM. Christian VandenbendeSRecurd WC Prelident, Chairman of Management, Member of the Management, Member of the Management, Member of the Management Committee4 Pars3 ParsM. Christian VandenbendeSResurd WC Prelident, Chairman of Marka Sate Pars4 Pars3 Pars1 ParsM. Fibriege ParsSResurd WC Prelident, Chairman of Marka Sate Pars1 Pars3 Pars1 ParsM. Fibriege ParsSResurd WC Prelident, Chairman of Marka Sate Pars3 Pars3 Pars1 ParsM. Resurd GarbieroSResurd WC Prelident, Chairman of Marka Sate Pars3 Pars3 Pars1 ParsM. Resurd GarbieroSResurd WC Prelident, Chairman of Marka Sate Pars3 Pars3 Pars1 ParsM. Resurd GarbieroSResurd WC Prelident, Chairman of Marka Sate Pars3 Pars3 Pars1 ParsM. Resurd GarbieroSResurd WC Prelident, Chairman of Marka Sate Pars3 Pars3 Pars1 ParsM. Resurd GarbieroR	Mr. Gaspar Gascon-Abellan	52		5 Years	3 Years	
And Mulei Committee Committee As Seal Mulei 52 Security Vice Precident in charge of the Office of the CEQ and Member of the Group Executive Committee and Amagement Committee 7 Years As Mouna Septhi 55 Becurub Vice Precident in charge of the Office of the CEQ and Member of the Group Executive Committee and Management Committee 7 Years Arr Christian Vandenhende 55 Decurub Vice Precident Quilty and Total Customer Sastafaction, Member of the Management, Member of the Man	Mr. Thierry Koskas		Executive Vice President of Sales and Marketing, Member of the Management Committee, Member of the Executive			
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Afr. Christian Vandenhende 55 Executive Vice President Unality and Total Customer Satisfaction, Member of the Group Executive Committee and Mr. Jerome Dive - 3 Years Mr. Jerome Dive 50 Executive Vice President, Mandgement Committee 1 Year 3 Years Mr. Thirtyp Piton 47 Senior Vice President, Market area France, Amber of the Management Committee 1 Year 1 Year Mr. Thirtyp Piton 55 Senior Vice President, Market area France, Amber of the Management Committee 9 Years 3 Years Mr. Bernard Cambier 63 Senior Vice President, Chairmon of Arica-Model Existingia Region, Member of the Management Committee 9 Years 3 Years Mr. Bernard Cambier 63 Senior Vice President of Management Committee 9 Years 3 Years Mr. Philope Existin Social Science Science, Statis Science Statis Science Statis Science Sc	Ms. Mouna Sepehri	54	Executive Vice President in charge of the Office of the CEO and Member of the Group Executive Committee and	7 Years	7 Years	
Ar. Jerone Olive 60 becute wice President, Mandacturing Engenering and Supply Chain Management, Member of the Management Committee 4 Years 3 Years Ar. Thiery Pleton 42 Senior Vice President, Markt area from Kanagement Committee	Mr. Christian Vandenhende	55	Executive Vice President Quality and Total Customer Satisfaction, Member of the Group Executive Committee and		3 Years	
dr. Theory Peton 47 Sensity Vice President, Grauge Controller, Member of the Management Committee - - dr. Pelligge Busics 56 Sensity Vice President, Chairman of Africa-Malde East-India Region, Member of the Management Committee 3 9 Years 3 Years Years Years Years Years	Mr. Jerome Olive	60	Executive Vice President, Manufacturing Engineering and Supply Chain Management, Member of the Management	4 Years	3 Years	
Mr. Philippe Buros 55 Senior VLee President, Market area France, Member of the Management Committee 9 - - - Mr. Benard Cambrie 63 Senior VLee President, CED RCI Banque, Member of the Management Committee 37 vars 37 vars Mr. Gainloug De Frichen 47 Senior VLee President, CED RCI Banque, Member of the Management Committee 37 vars 37 vars Mr. Philippe Guerin-Boutaul 52 Senior VLee President, Quality and Total Customer Satisfiction deputy hed and Manufacturing Quality of Groupe 11 vars 11 vars Mr. Ashund Debot 55 Senior VLee President, Chauge Member of the Management Committee 37 vars Mr. Ashund Gupta - Renault, Member of the Management Committee 37 vars Mr. Alkikassal 55 Senior VLee President, Chaugement Committee 37 vars Mr. Alkikassal 55 Senior VLee President, Chauram of Management Committee 37 vars Mr. Gliels Norman 55 Senior VLee President, Chauram of Management Committee 37 vars Mr. Gliels Norman 55 Senior VLee President, Chauge Member of the Management Committee 37 vars Mr. Gliels Norman 55 Senior VLee President, Chauram of Management Committee 37 vars Mr. Gliels Norman 56 Senior VLee President, Management Committee 27 vars 27 vars <td>Mr. Thierry Pieton</td> <td>47</td> <td></td> <td>1 Year</td> <td>1 Year</td> <td></td>	Mr. Thierry Pieton	47		1 Year	1 Year	
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Ar. Giantuca De Ficchy 47 Senor Vice President, CEO RCI Banque, Member of the Management Board 3 Years 3 Years Ar. Anaud Deboard 50 Milance Senor Vice President, Quality and Total Customer statisfaction deputy head and Manufacturing Quality of Groupe 1 Year 1 Year Mr. Anaud Deboard 52 Senori Vice President, Quality and Total Customer statisfaction deputy head and Manufacturing Quality of Groupe 1 Year 1 Year Mr. Assaul 55 Senori Vice President, Toroduct Banning of Groupe Renault, Member of the Management Committee 9 Years 3 Years Mr. National Customer Senori Vice President, Toroduct Banning of Groupe Renault, Member of the Management Committee 9 Years 3 Years Mr. Olicito Marcine 55 Senori Vice President, Toroduct Banning of Groupe Renault, Member of the Management Committee 9 Years 3 Years Mr. Olicito Marcine 15 Senori Vice President, Charrent of the Management Committee 2 Years 2 Years Mr. Olicito Marcine Customer Senori Vice President, Charrent of the Management Committee 2 Years 2 Years 2 Years Mr. Gilles Norman 55 Senori Vice President, Charrent of the Management Committee 2 Years 2 Years Mr. Electron Senori Vice President, Charrent of the Management Committee 2				9 Years	3 Years	
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fr. Philipe Guerin-Boutaud52Senior Vice President, Quality and Total Customer Satisfaction deputy head and Manufacturing Quality of Groupe Renault, Member of the Management Board1 Year1 Yearfr. Akasai						
dr. Abmain Gupta	Mr. Philippe Guerin-Boutaud		Senior Vice President, Quality and Total Customer Satisfaction deputy head and Manufacturing Quality of Groupe			
of, Al Xassai 55 Senior Vice President. Product Planning of Groupe Renault, Member of the Management Board 3 Years 3 Years w. Nadine Lectair 51 Senior Vice President. Schement Committee w. Gilles Normand 55 Senior Vice President. Chairman of Americas Region, Member of the Management Committee 6 Years 1 Years w. Gilles Normand 55 Senior Vice President. Electric Vehicle, Member of the Management Committee 2 Years 2 Years 2 Years w. R. Rindinez - Senior Vice President. Electric Vehicle, Member of the Management Committee 2 Years 2 Years 2 Years w. K. Ramirez - Senior Vice President. Committee 2 Years 2 Years 3 Years w. K. Ramirez - Senior Vice President. Committee 3 Years 3 Years 3 Years w. R. Michael Van der Sande 5 Senior Vice President. Proceedent of the Management Committee 4 Years 3 Years w. Richard Sentin - - - - - - w. M. Maagement Committee - - - - - - w. M. Theorer Sante 5 Years 5 Years <t< td=""><td>Mr. Ashwani Gupta</td><td> </td><td>Renault-Nissan Alliance Senior Vice President of the Renault-Nissan Light Commercial Vehicule Business Unit, Member of</td><td>1 Year</td><td>1 Year</td><td></td></t<>	Mr. Ashwani Gupta		Renault-Nissan Alliance Senior Vice President of the Renault-Nissan Light Commercial Vehicule Business Unit, Member of	1 Year	1 Year	
Ms. Nadine Lectair 59 Senior Vice President, Expert Fellow, Member of the Management Committee 9 Years 3 Years Mr. Olivier Murguet 51 Senior Vice President, Electric Vehicle, Member of the Management Committee 6 Years 1 Year Mr. Fincicis Provost 49 Senior Vice President, Electric Vehicle, Member of the Management Committee 2 Years 2 Years Mr. Francis Provost 49 Senior Vice President Senior Senior Senio	Mr Ali Kassai	55		3 Years	3 Years	
Mr. Olivier Murguet 51 Senior Vice President, Chairman of Americas Region, Member of the Management Committee Mr. Gilles Normand 55 Senior Vice President China Operations, Member of the Management Committee 2 Years 2 Years Mr. Fancois Provost 49 Senior Vice President China Operations, Member of the Management Committee 2 Years 2 Years S. Veronique Sarla-Depotte 51 Renault-Vice President Compare Design, Member of the Management Committee 2 Years 2 Years Mr. Laurens Van Den Acker 51 Senior Vice President Corporate Design, Member of the Management Committee 8 Years 8 Years Mr. Laurens Van Den Acker 51 Senior Vice President Corporate Design, Member of the Management Committee 4 Years 2 Years Mr. Educards Sande 52 Managing Director of Japine, Member of the Management Committee 1 Year 6 Mr. Rehard Gentil 40 Director 1 Year 6 Mr. Rehard Gentil 41 Director 1 Year 6 Mr. Rehard Gentil 42 Employee Representative on the Board of Directors 5 Years 5 Years 5 Years Mr. Rehard Gentil 44 Employee Representative on the Board o						
dr. Gilles Normand 55 Senior Vice President - Electric Vehicle, Member of the Management Committee 2 Years 1 Year Mr. Francois Provost 49 Senior Vice President China Operations, Member of the Management Committee 2 Years 2 Years 2 Years Mr. Ken Ramirez - Senior Vice President Sales and Marketing for Europe G9, Member of the Management Committee 2 Years 2 Years 2 Years Mr. Support Senior Vice President Corporate Design, Member of the Management Committee 8 Years 3 Years Mr. Laurens Van Den Acker 51 Senior Vice President Corporate Design, Member of the Management Committee 8 Years						
Mr. Francis Provat. 49 Senior Vice President China Operations, Member of the Management Committee 2 Years 2 Years Mr. Ken Ramirez - Senior Vice President Sales and Marketing for Europe G9, Member of the Management Committee 3 Years 3 Years Mr. Kan Ramirez 51 Remault-Nissan Alliance Global Senior Vice President, Purchasing & Deputy Managing Director of RNPO, Member of the Management Committee 3 Years 8 Years Mr. Laurens Van Den Acker 51 Senior Vice President Corporate Design, Member of the Management Committee - - Mr. Richard Sande 52 Managing Director of Anypee, Member of the Management Committee 4 Years 2 Years Mr. Richard Gentil 44 Director 1 Year 1 Year 6 Mr. Richard Gentil 49 Engloyee Representative on the Board of Directors 5 Years 5 Years 5 Mr. Bichord Gentil 50 Independent Director 1 Year 12 Years 27 Mr. Bichord Gentil 50 Independent Director 7 Years 5 Years 5 Mr. Richord Gentil 40 Brejovee Representative on the Board of Directors 7 Years 5 Years 5 Mr. Erich Salkawa <				6 Years	1 Year	-
Mr. Ken Ramirez Senior Vice President Sales and Marketing for Europe G9, Member of the Management Committee 2 Years 3 Years Ms. Veronique Sarlat-Depotte 51 Renault-Nissan Alliance Global Senior Vice President, Purchasing & Deputy Managing Director of RNPO, Member of the Management Committee 3 Years 3 Years Mr. Laurens Van Den Acker 51 Senior Vice President Corporate Design, Member of the Management Committee 8 Years 8 Years Mr. Interry Hunom Director of Investor Relations Mr. Richael Van der Sande 52 Managing Director of Alpine, Member of the Management Committee 4 Years 2 Years Mr. Richard Gentil 49 Director 1 Year 16 Mr. Richard Gentil 49 Employee Representative on the Board of Directors 5 Years 5 Years Mr. Richord Stratag 51 Representative on the Board of Directors 7 Years 2 Years 2 Years Mr. Birdor Guita Qiu 50 Independent Director 2 Years 2 Years 2 Years 2 Years Mr. Birdor Guita Qiu 50 Independent Director 1 Year 16 3 Years 2 Years 2 Years 2 Years 2 Years <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>						
Ms. Veronique Sarlat-Depotte 51 Renault-Nissan Alliance Global Senior Vice President, Purchasing & Deputy Managing Director of RNPO, Member of the Management Committee 3 Years Mr. Laurens Van Den Acker 51 Senior Vice President Corporate Design, Member of the Management Committee 8 Years 8 Years Mr. Richard Gersande 52 Managing Director of Alpine, Member of the Management Committee 4 Years 2 Years Mr. Richard Gentil 44 Director 1 Year 1 Year 6 Mr. Richard Gentil 44 Director 1 Year 6 Mr. Richard Gentil 45 Director 5 Years 5 Years 55 Mr. Richard Gentil 47 Employee Representative on the Board of Directors 5 Years 5 Years 55 Mr. Bito Starkawa 63 Director 1 Year 1 Year 1 Years 2 Years 22 Mr. Dirot Salkawa 63 Director 1 Years 1 Years 1 Years 1 Years 45 Mr. Julien Tholiot 44 Director 1 Years 1 Years 52 2 Years 52 Mr. Richard Genedent Director 1 Years 1 Years 1						
Mr. Laurens Van Den Acker 51 Senior Vice President Corporate Design, Member of the Management Committee 8 Years 8 Years Mr. Thitery Huon Director of Investor Relations	Ms. Veronique Sarlat-Depotte	51	Renault-Nissan Alliance Global Senior Vice President, Purchasing & Deputy Managing Director of RNPO, Member of the			
Arr. Thierry HuonDirector of Investor RelationsArr. Michael Van der Sande52Managing Director of Alpine, Member of the Management Committee4 Years2 YearsMr. Frederic Barrat44Director1 Year1 Year6Mr. Rehord Sarrat54Director5 Years5 Years5 Years48Director5 Years5 Years5 Years7 Years5555Fersentative of Employee Representative on the Board of Directors7 Years7 Years666Mr. Broit Ostertag51Representative on the Board of Directors7 Years5 Years5 Years63665. Olivia Qiu50Independent Director1 Year1 Year1266766. Mr. Brito PersonneEmployee Representative on the Board of Directors5 Years5 Years5 Years5 Years66. Olivia Qiu50Independent Director1 Years12 Years22 Years27 Years27 Years27 Years66767. Julia Thollo44Director1 Year1 Year167<	Mr. Laurens Van Den Acker	51		8 Years	8 Years	
Mr. Frederic Barrat44Director1 Year1 Year <td>Mr. Thierry Huon</td> <td></td> <td></td> <td></td> <td></td> <td></td>	Mr. Thierry Huon					
Mr. Pascal Faure54Director5 Years5 Years6 GeMr. Rhord Ostrtag1-Employee Representative on the Board of Directors7 Years2 Years <td>Mr. Michael Van der Sande</td> <td>52</td> <td>Managing Director of Alpine, Member of the Management Committee</td> <td>4 Years</td> <td>2 Years</td> <td>-</td>	Mr. Michael Van der Sande	52	Managing Director of Alpine, Member of the Management Committee	4 Years	2 Years	-
Arr. Richard Gentil49Employee Representative on the Board of Directors5 Years5 Years5 Years5 Stars5 Stars6 Stars7 Years7 Years6 Stars6 Stars5 Years5 Years6 Stars6 Stars5 Years5 Years6 Stars6 Stars5 Years6 Stars6 Stars6 Stars5 Years6 Stars6 Stars<	Mr. Frederic Barrat	44	Director	1 Year	1 Year	6,856
Mr. Benoit Ostertag51Representative of Employee Shareholders on the Board of Directors7 Years7 Years7 Years7 Years66Mr. Eric Personne-Employee Representative on the Board of Directors5 Years5 Years63Mr. Diric Personne50Independent Director12 Years12 Years2222Mr. Hiroto Saikawa63Director12 Years12 Years12 Years52Mr. Julien Thollot44Director1 Year1 Year66Mr. Julien Thollot44Director4 Years4 Years67Mr. Yasuhiro Yamauchi61Director4 Years4 Years67Mr. Yasuhiro Yamauchi61Director4 Years4 Years67Mr. Yasuhiro Yamauchi61Director3 Years2 Years64Mr. Asini Po'amauchi61Director1 Year67Mr. Asini Po'amauchi61Director3 Years2 Years64Mr. Satin Pala53State Representative on the Board of Directors3 Years2 Years64Mr. Satin Pala74Independent Director	Mr. Pascal Faure	54	Director	5 Years	5 Years	48,214
Ar. Eric Personne - Employee Representative on the Board of Directors 5 Years 5 Years 2 Years 3 Years 3 Years	Mr. Richard Gentil	49	Employee Representative on the Board of Directors	5 Years	5 Years	55,500
Ms. Olivia Qiu 50 Independent Director 2 Years 2 Years 2 Years 2 Years 52 Mr. Hiroto Saikawa 63 Director 12 Years 12 Years 52 Ms. Su Seriziawa 58 Director 1 Year 1 Year 66 Mr. Julien Thollot 44 Director <1 Year	Mr. Benoit Ostertag	51	Representative of Employee Shareholders on the Board of Directors	7 Years	7 Years	66,000
Mr. Hiroto Saikawa63Director12 Years12 Years52Ms. Yu Serizawa58Director1 Year1 Year66Mr. Julien Thollot44Director< 1 Year	Mr. Eric Personne		Employee Representative on the Board of Directors	5 Years	5 Years	63,000
Ms. Yu Serizawa 58 Director 1 Year 1 Year 1 Year 6 Mr. Julie Thollot 44 Director <1 Year	Ms. Olivia Qiu	50	Independent Director	2 Years	2 Years	27,429
Mr. Julien Thollot 44 Director < 1 Year	Mr. Hiroto Saikawa	63	Director	12 Years	12 Years	52,500
Mr. Patrick Thomas 69 Independent Director 4 Years 4 Years 67 Mr. Martin Vial 63 State Representative on the Board of Directors 3 Years 2 Years 64 Mr. Yasuhiro Yamauchi 61 Director 1 Year 1 Year 1 Year 64 Mr. Asini Belda 74 Independent Director Mr. Alain Belda 74 Independent Director 9 Years 9 Years 3 Years 443 Ms. Cherie Bair 62 Independent Director 3 Years 3 Years 443 Ms. Cherie Bair 62 Independent Director Ms. Amirie-Annick Darmaillac 62 Independent Director Ms. Dominique de La Garanderie 73 Independent Director Mr. Thierry Desmarest 71 Independent Director <td< td=""><td>Ms. Yu Serizawa</td><td>58</td><td>Director</td><td>1 Year</td><td>1 Year</td><td>6,857</td></td<>	Ms. Yu Serizawa	58	Director	1 Year	1 Year	6,857
Mr. Martin Vial 63 State Representative on the Board of Directors 3 Years 2 Years 64 Mr. Yasuhiro Yamuchi 61 Director 1 Year 1 Year 1 Year Mr. Yasuhiro Yamuchi 61 Director 1 Year 1 Year 64 Mr. Yasuhiro Yamuchi 61 Director Mr. Asalin Belda 74 Independent Director 9 Years 9 Years 9 Years 70 Ms. Chirel Blar 62 Independent Director 3 Years 3 Years 43 Ms. Mirien Chagroun 54 Independent Director Ms. Marien-Annick Darmaillac 62 Independent Director Ms. Dominique de La Garanderie 73 Independent Director <	Mr. Julien Thollot	44	Director	< 1 Year	<1 Year	
Mr. Martin Vial 63 State Representative on the Board of Directors 3 Years 2 Years 64 Mr. Yasuhiro Yamuchi 61 Director 1 Year 1 Year 1 Year Mr. Nain Belda 74 Independent Director Mr. Alain Belda 74 Independent Director 9 Years 9 Years 9 Years 70 Mr. Alain Belda 74 Independent Director 3 Years 3 Years 3 Years 70 Mr. Main Belda 74 Independent Director 3 Years 3 Years 70 Mr. Main Chagroun 54 Independent Director Ms. Miriern Chagroun 54 Independent Director Ms. Marier-Annick Darmaillac 62 Independent Director Mr. Thierry Desmarest 71 Independent Director Mr. Thierry Desmarest 71 Independent Director 10 Years 15 Years 10 Years Mr. Thierry Desmarest 71 Independent Director 10 Years 10 Years 70 Mr. Thierry Desmarest 73 Independent Director 10 Years 10 Years 70 Mr. Thierry Desmarest 71 <td< td=""><td>Mr. Patrick Thomas</td><td>69</td><td>Independent Director</td><td>4 Years</td><td>4 Years</td><td>67,500</td></td<>	Mr. Patrick Thomas	69	Independent Director	4 Years	4 Years	67,500
Ms. Catherine Barba 44 Independent Director Mr. Alain Belda 74 Independent Director 9 Years 9 Years 3 Years 70 Ms. Cherie Blair 62 Independent Director 3 Years 3 Years 43 Ms. Miriem Chagroun 54 Independent Director Ms. Morie-Annick Darmaillac 62 Independent Director Ms. Dominique de La Garanderie 73 Independent Director Mr. Thierry Desmarest 71 Independent Director 10 Years 15 Years 666 Mr. Thierry Desmarest 71 Independent Director 10 Years 70 Mr. Marc Ladreit de Lacharriere 76 Independent Director 10 Years 70 Mr. Thierry Desmarest 71 Independent Director 15 Years 15 Years 70 Mr. Thierry Desmarest 73 Lad Independent Director 15 Years 70 Mr. Franck Riboud 11 Years 11 Years 81 Mr. Franck Riboud 61 Independent Director 13 70	Mr. Martin Vial	63	State Representative on the Board of Directors	3 Years		64,200
Mr. Alain Belda 74 Independent Director 9 Years 9 Years 70 Ms. Chrier Blair 62 Independent Director 3 Years 3 Years 43 Ms. Miriem Chagroun 54 Independent Director Ms. Marie-Annick Darmaillac 62 Independent Director Ms. Marie-Annick Darmaillac 62 Independent Director Mr. Dirependent Director 15 Years 15 Years 15 Years 66 Mr. Thiery Desmarst 71 Independent Director 10 Years 10 Years 70 Mr. Neiry Ladreit de Lacharrier 76 Independent Director 15 Years 15 Years 570 Mr. Franck Riboud 71 Independent Director 15 Years 15 Years 70 Mr. Franck Riboud 71 Independent Director 11 Years 11 Years 81	Mr. Yasuhiro Yamauchi	61	Director	1 Year	1 Year	-
Ms. Cherie Blair 62 Independent Director 3 Years 3 Years 43 Ms. Miriem Chagroun 54 Independent Director Ms. Marie-Annick Darmaillac 62 Independent Director Ms. Domingue de La Garanderie 73 Independent Director Ms. Domingue de La Garanderie 73 Independent Director Mr. Thierry Desmarest 71 Independent Director 10 Years 10 Years 70 Mr. Marc Ladreit de Lacharriere 76 Independent Director 15 Years 70 Mr. Philippe Lagayette 73 Lead Independent Director 15 Years 15 Years Mr. Franck Riboud 61 Independent Director 11 Years 13	Ms. Catherine Barba	44	Independent Director			-
Mainiem Chaqroum 54 Independent Director Mo. Sumirique de La Garanderie 73 Independent Director 15 Years 15 Years 666 Mr. Thierry Desmarest 71 Independent Director 10 Years 10 Years 10 Years 70 Mr. Maric Ladreit de Lacharrier 76 Independent Director 15 Years 15 Years 70 Mr. Philippe Lagayette 73 Lad Independent Director 15 Years 11 Years 81 Mr. Franck Riboud 61 Independent Director 17 Years 35	Mr. Alain Belda	74	Independent Director	9 Years	9 Years	70,500
Ms. Miriem Chaqroum 54 Independent Director Ms. Marie-Annick Darmalillac 62 Independent Director Ms. Schwinique de La Garanderie 73 Independent Director 15 Years 15 Years Mr. Thierry Desmarest 71 Independent Director 10 Years 10 Years 10 Years Mr. Arnic Ladreit de Lacharrier 76 Independent Director 15 Years 15 Years 70 Mr. Philippe Lagayette 73 Lad Independent Director 11 Years 11 Years 81 Mr. Franck Riboud 61 Independent Director 17 Years 17 Years 35	Ms. Cherie Blair	62	Independent Director	3 Years	3 Years	43,714
Ms. Marie-Annick Darmaillac 62 Independent Director Ms. Dominique de La Garanderie 73 Independent Director 15 Years 15 Years 66 Mr. Thierry Desmarest 71 Independent Director 10 Years 10 Years 70 Mr. Thierry Desmarest 71 Independent Director 10 Years 15 Years 70 Mr. Thierry Desmarest 71 Independent Director 15 Years 15 Years 70 Mr. Direct Ladreit de La Charriere 76 Independent Director 15 Years 15 Years 70 Mr. Franck Riboud 71 Independent Director 11 Years 11 Years 81 Mr. Franck Riboud 61 Independent Director 17 Years 17 Years 35	Ms. Miriem Chaqroun					-
As. Dominique de La Garanderie 73 Independent Director 15 Years 15 Years 66 Mr. Thiery Desmarest 71 Independent Director 10 Years 10 Years 70 Mr. Marc Ladreit de Lacharriere 76 Independent Director 15 Years 15 Years 70 Mr. Philippe Lagayette 73 Lad Independent Director 11 Years 11 Years 81 Mr. Franck Riboud 61 Independent Director 17 Years 17 Years 35	Ms. Marie-Annick Darmaillac					-
Mr. Thierry Desmarest 71 Independent Director 10 Years 10 Years 70 Mr. Marc Ladreit de Lacharriere 76 Independent Director 15 Years 70 Mr. Philippe Lagayette 73 Lead Independent Director 11 Years 11 Years 81 Mr. Franck Riboud 61 Independent Director 17 Years 35	Ms. Dominique de La Garanderie			15 Years	15 Years	66,000
Arr. Marc Ladreit de Lacharrier 76 Independent Director 70 Mr. Philippe Lagayette 73 Lead Independent Director 11 Years 11 Years 81 Mr. Franck Riboud 61 Independent Director 17 Years 17 Years 35	Mr. Thierry Desmarest					70,500
Mr. Philippe Lagayette 73 Lead Independent Director 11 Years 11 Years 81 Mr. Franck Riboud 61 Independent Director 17 Years 17 Years 35						70,500
Mr. Franck Riboud 61 Independent Director 17 Years 17 Years 35						81,000
	Mr. Franck Riboud					35,143
	Ms. Pascale Sourisse		Independent Director	8 Years	8 Years	54,214

Date 🗸	Period	Company	Bloomberg Ticker	Stock Pric	ROA		ROIC	Board Syster	CG
jun-16	1	Accor	AC FP	34,69	2,5577	5,9843	2,7715	Unitary	14,0
jun-16	1	Air Liquide	AI FP	83,29	4,7763	14,4564	6,8700	Unitary	12,5
jun-16	1	Atos	ATO FP	74,53	4,0578	12,5648	10,6031	Unitary	15,0
jun-16	1	Danone	BN FP	63,41	5,2143	14,1629	8,7400	Unitary	14,0
jun-16	1	Carrefour	CA FP	22,21	1,9676	9,3819	5,5185	Unitary	13,5
jun-16	1	Cap Gemini	CAP FP	78,20	7,6736	19,4065	13,5918	Unitary	14,0
jun-16	1	Axa	CS FP	17,81	0,6359	8,5127	0,2818	Unitary	12,0
jun-16	1	Vinci	DG FP	63,69	3,4637	14,4137	6,9721	Unitary	15,0
jun-16	1	Essilor International	EI FP	113,00	6,5737	13,7901	9,9961	Unitary	15,5
jun-16	1	Bouygues	EN FP	25,93	1,2115	5,7636	3,9849	Unitary	14,5
jun-16	1	Engie	ENGI FP	14,51	-2,8777	-9,7513	-4,3725	Unitary	14,5
jun-16	1	Total	FP FP	43,38	1,3688	3,2239	0,6344	Unitary	15,0
jun-16	1	Valeo SA	FR FP	40,13	6,6904	24,1472	16,8369	Unitary	14,0
jun-16	1	Kering	KER FP	145,45	3,0742	6,7643	4,2022	Unitary	12,0
jun-16	1	Legrand	LR FP	46,31	7,3083	15,0821	10,1307	Unitary	13,5
jun-16	1	LVMH	MC FP	136,00	6,5613	15,4999	11,6845	Unitary	11,5
jun-16	1	Michelin	ML FP	85,21	5,1464	12,9120	11,9500	Dual	12,5
jun-16	1	L'Oreal	OR FP	172,00	8,4177	12,8936	10,9389	Unitary	13,0
jun-16	1	Orange	ORA FP	14,66	5,2969	14,7564	6,4705	Unitary	16,0
jun-16	1	Publicis Groupe SA	PUB FP	60,53	3,9087	14,6852	9,7285	Dual	13,0
jun-16	1	Pernod Ricard	RI FP	100,10	4,0494	9,3356	6,5823	Unitary	15,0
jun-16	1	Renault	RNO FP	68,44	3,2498	10,4926	3,4687	Unitary	12,5
jun-16	1	Safran	SAF FP	60,92	5,4253	23,8412	15,8281	Unitary	14,0
jun-16	1	Sanofi	SAN FP	74,92	4,2703	7,5933	6,6692	Unitary	14,5
jun-16	1	Saint Gobain	SGO FP	34,36	2,8884	7,1076	2,1218	Unitary	14,5
jun-16	1	Schneider Electric	SU FP	53,06	3,5645	7,4764	7,2170	Unitary	13,5
jun-16	1	Sodexo	SW FP	96,76	4,9560	20,2374	11,9303	Unitary	14,5
jun-16	1	Peugeot	UG FP	10,82	3,0429	13,9645	9,7011	Dual	13,5
jun-16	1	Veolia Environnement	VIE FP	19,47	0,9749	3,2962	3,3362	Unitary	12,0

Date	Period	Company	Bloomberg Ticker	Stock Price	ROA	ROCE	ROIC	Board System	CG
jun-16	1	Vivendi	VIV FP	16,90	2,5985	4,2911	1,9236	Dual	15,0
jun-17	2	Accor	AC FP	41,05	2,5958	7,5996	5,2627	Unitary	14,5
jun-17	2	Air Liquide	AI FP	98,36	4,6002	14,1882	6,9217	Unitary	12,5
jun-17	2	Atos	ATO FP	122,90	4,8933	15,336	11,8988	Unitary	15,0
jun-17	2	Danone	BN FP	65,81	4,6324	14,9112	7,2943	Unitary	14,5
jun-17	2	Carrefour	CA FP	22,15	1,5025	7,1289	4,6543	Unitary	12,5
jun-17	2	Cap Gemini	CAP FP	90,48	5,9313	14,0962	11,1145	Unitary	13,0
jun-17	2	Axa	CS FP	23,95	0,6551	8,8124	0,3939	Unitary	12,0
jun-17	2	Vinci	DG FP	74,73	4,0864	16,673	7,7397	Unitary	15,0
jun-17	2	Essilor International	EI FP	105,65	6,2766	12,7964	9,6342	Unitary	15,5
jun-17	2	Bouygues	EN FP	36,92	2,9307	13,2917	7,8291	Unitary	15,5
jun-17	2	Engie	ENGI FP	13,22	-0,2497	-0,9325	0,9218	Unitary	15,0
jun-17	2	Total	FP FP	43,29	3,2174	7,2017	3,6901	Unitary	13,5
jun-17	2	Valeo SA	FR FP	58,99	7,1149	26,3825	17,3293	Unitary	15,5
jun-17	2	Kering	KER FP	298,20	4,8366	10,4881	7,1991	Unitary	11,0
jun-17	2	Legrand	LR FP	61,25	8,3318	17,3612	11,1348	Unitary	13,5
jun-17	2	LVMH	MC FP	218,30	7,0983	17,0414	12,3534	Unitary	11,5
jun-17	2	Michelin	ML FP	116,40	7,2655	17,6977	16,7119	Dual	13,0
jun-17	2	L'Oreal	OR FP	182,40	10,3673	15,7315	12,7669	Unitary	13,0
jun-17	2	Orange	ORA FP	13,89	0,4892	0,8634	1,925	Unitary	15,0
jun-17	2	Publicis Groupe SA	PUB FP	65,31	-2,2459	-8,6023	-3,9136	Dual	13,0
jun-17	2	Pernod Ricard	RI FP	117,25	4,5908	10,3021	7,0093	Unitary	14,0
jun-17	2	Renault	RNO FP	79,25	4,2644	14,1377	3,977	Unitary	12,5
jun-17	2	Safran	SAF FP	80,24	11,2003	42,2095	16,952	Unitary	14,0
jun-17	2	Sanofi	SAN FP	83,76	9,157	16,4584	7,6239	Unitary	15,0
jun-17	2	Saint Gobain	SGO FP	46,78	3,3848	8,0469	6,0488	Unitary	13,5
jun-17	2	Schneider Electric	SU FP	67,27	4,7025	9,7116	9,0203	Unitary	13,0
jun-17	2	Sodexo	SW FP	113,20	4,1549	17,5448	10,4128	Unitary	14,0
jun-17	2	Peugeot	UG FP	17,47	3,6382	14,0016	10,4643	Dual	13,5
jun-17	2	Veolia Environnement	VIE FP	18,50	0,9286	3,5203	3,6953	Unitary	12,0
jun-17	2	Vivendi	VIV FP	19,49	1,7019	2,8319	1,7256	Dual	15,5

48

Appendix 6: Stata code

' Panel Data

- . egen CMP=group(Company)
- . egen BS=group(BoardSystem)
- . xtset CMP Period, generic

panel variable: CMP (strongly balanced)

time variable: Period, 1 to 2

delta: 1 unit

' Descriptive Statistics and correlation

. summarize ROA ROCE ROIC StockPrice CG

. by BS, sort : summarize ROA ROCE ROIC StockPrice CG

.pwcorr income gnp interest, sig star(.05)

' Regression Analyses

- . xtreg ROA CG, fe vce(cluster CMP) level(80)
- . xtreg ROCE CG, fe vce(cluster CMP) level(80)
- . xtreg ROIC CG, fe vce(cluster CMP) level(80)
- . by BS, sort : xtreg ROA CG, re level(80)
- . by BS, sort : xtreg ROCE CG, re level(80)
- . by BS, sort : xtreg ROIC CG, re level(80)

Mean comparison

- . ztest ROA, by(BS) sd(2.76) level(80)
- . ztest ROCE, by(BS) sd1(8.81) sd2(7.72) level(80)
- . ztest ROIC, by(BS) sd1(6.74) sd2(4.65) level(80)