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Published: 02/10/2019

Document Version:
Peer reviewed version

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Recommended citation(APA):
Skulmoski, G. J., Langston, C., Patching, A., & Ghanbaripour, A. (2019). *Projectized Career Planning: Thriving in the Gig Economy*. International Project Management Association 31st World Congress, Merida, Mexico.

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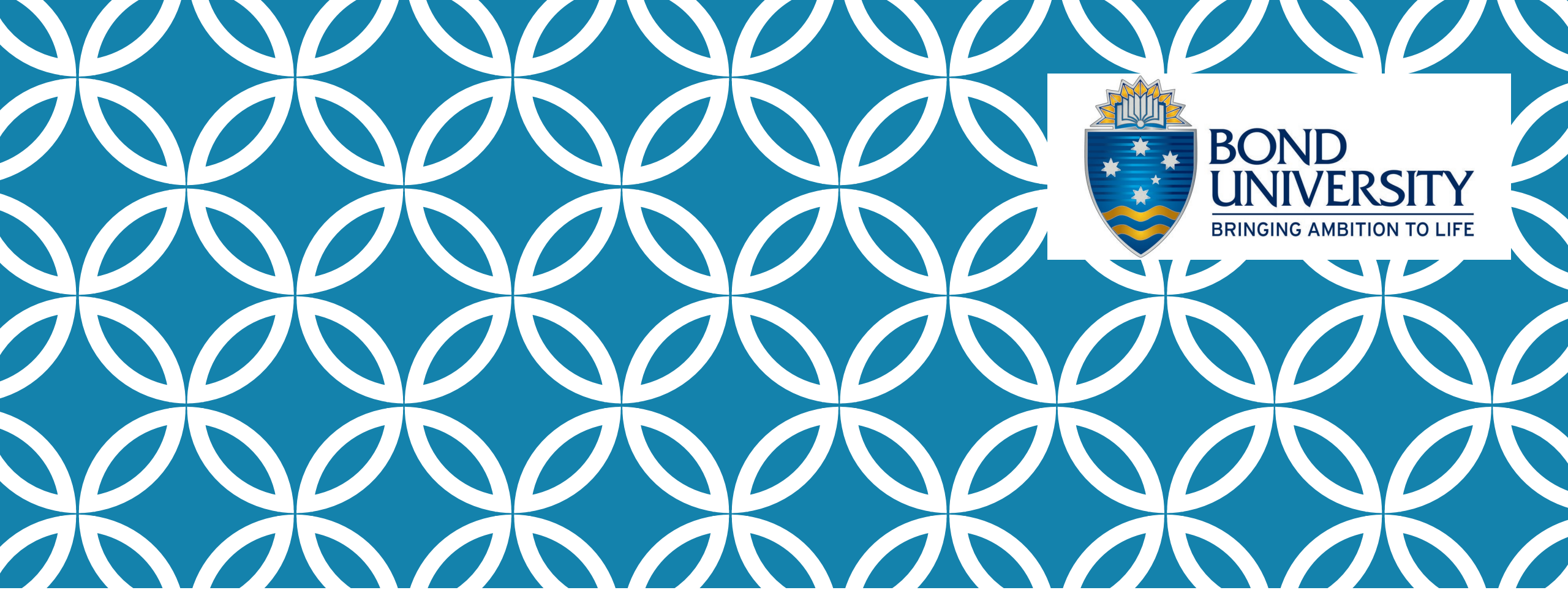


PROJECTIZED CAREER PLANNING:

THRIVING IN THE GIG ECONOMY

Dr. Gregory J. Skulmoski
Professor Craig Langston
Professor Alan Patching
Mr. Amir Ghanbaripour

OUTLINE

- ☑ Sustainable projectized career
- ☑ Turbulence - changing environment
- ☑ Adaptive approaches: Lean, Agile, Srums, Kanban, etc.
- ☑ Gig economy
- ☑ Continue to develop Agile competencies

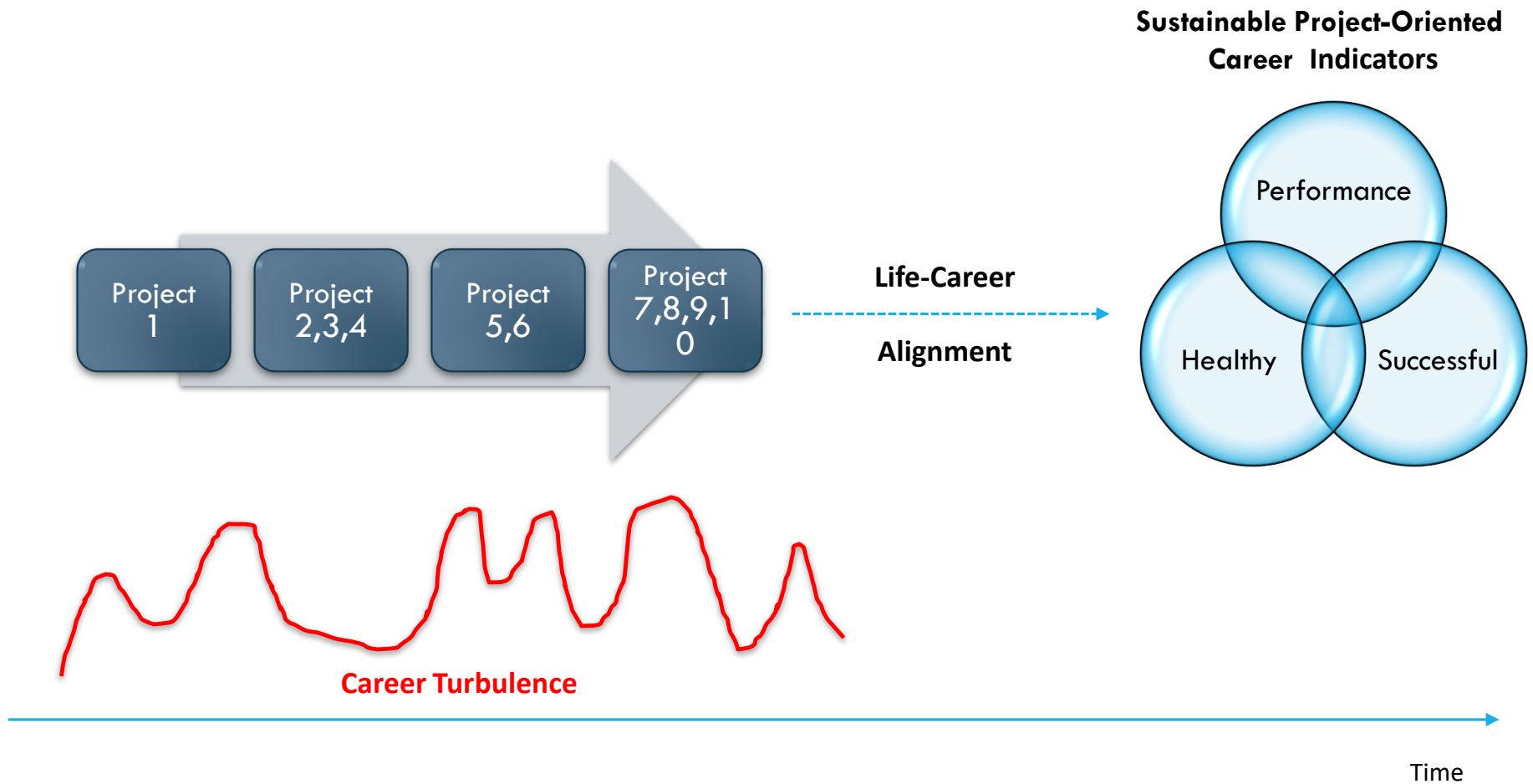
Projectized Career Planning: Thriving in the Gig Economy

Gregory J. Skulmoski , Craig Langston, Alan Patching, Amir Ghanbaripour

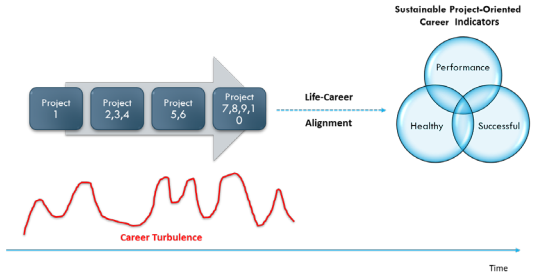
Abstract (English) An area of concern and interest for most working in projects is one's career. It may be as simple as looking for the next consulting contract in the Gig Economy or planning the next 5-10 years of one's career to accommodate external considerations such as marriage or retirement. Those project participants that take a sustainable approach to career management may enjoy better outcomes. We look at the sustainable project-oriented career concept and propose key error messages that signal risks to one's career, such as the absence of substantial training or education within the past ten years. We examine the sustainable project-oriented career framework within the Gig Economy environment, including the need for periodic renewal through education and training. We review some of the innovations in education and training that project participants can leverage to improve career sustainability. The paper and presentation combine just enough theory with practical advice to develop sustainable project-oriented careers and to thrive in the Gig Economy.

Project participants are well positioned to leverage emerging opportunities in a big way!

SUSTAINABLE PROJECT-ORIENTED CAREER



WINNERS AND LOSERS



Environmental Turbulence

4th Industrial Revolution

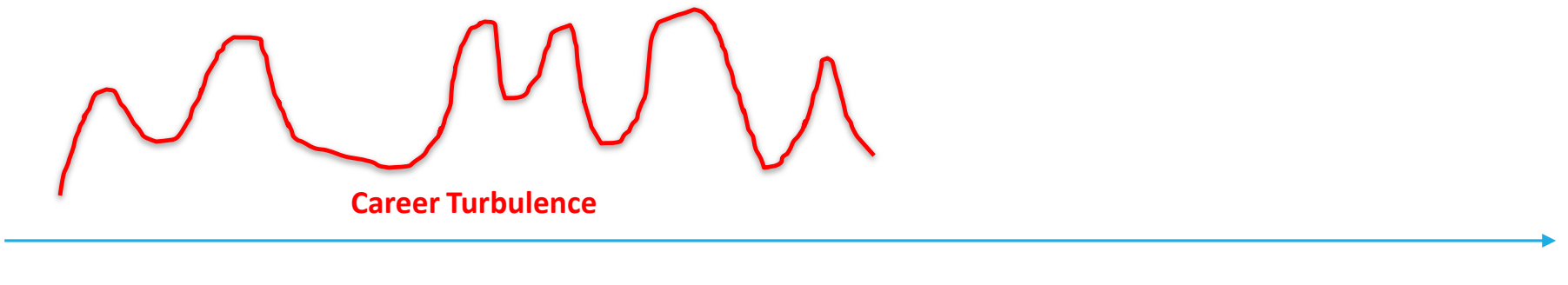
Digital Transformation

Gig Economy

Impact

More Projects

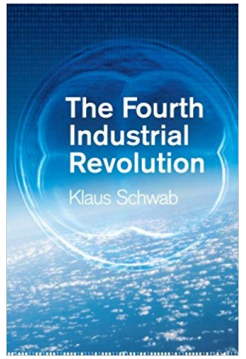
More Digital **Projects**



MASSIVE CHANGE IS UNDERWAY

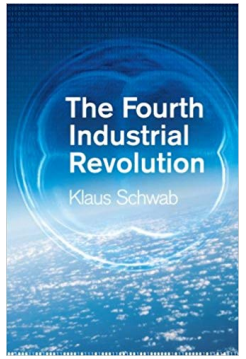
DO YOU HAVE THE RIGHT SKILLS TO THRIVE?

4TH INDUSTRIAL REVOLUTION



18th Century	19th Century	20th Century	21st Century
1.0	2.0	3.0	4.0
1784	1870	1969	Now
Water and steam power drive mechanical production	Mass production through division of labour with electrical energy	IT and electronics automate production	Cyber-physical systems applied to production

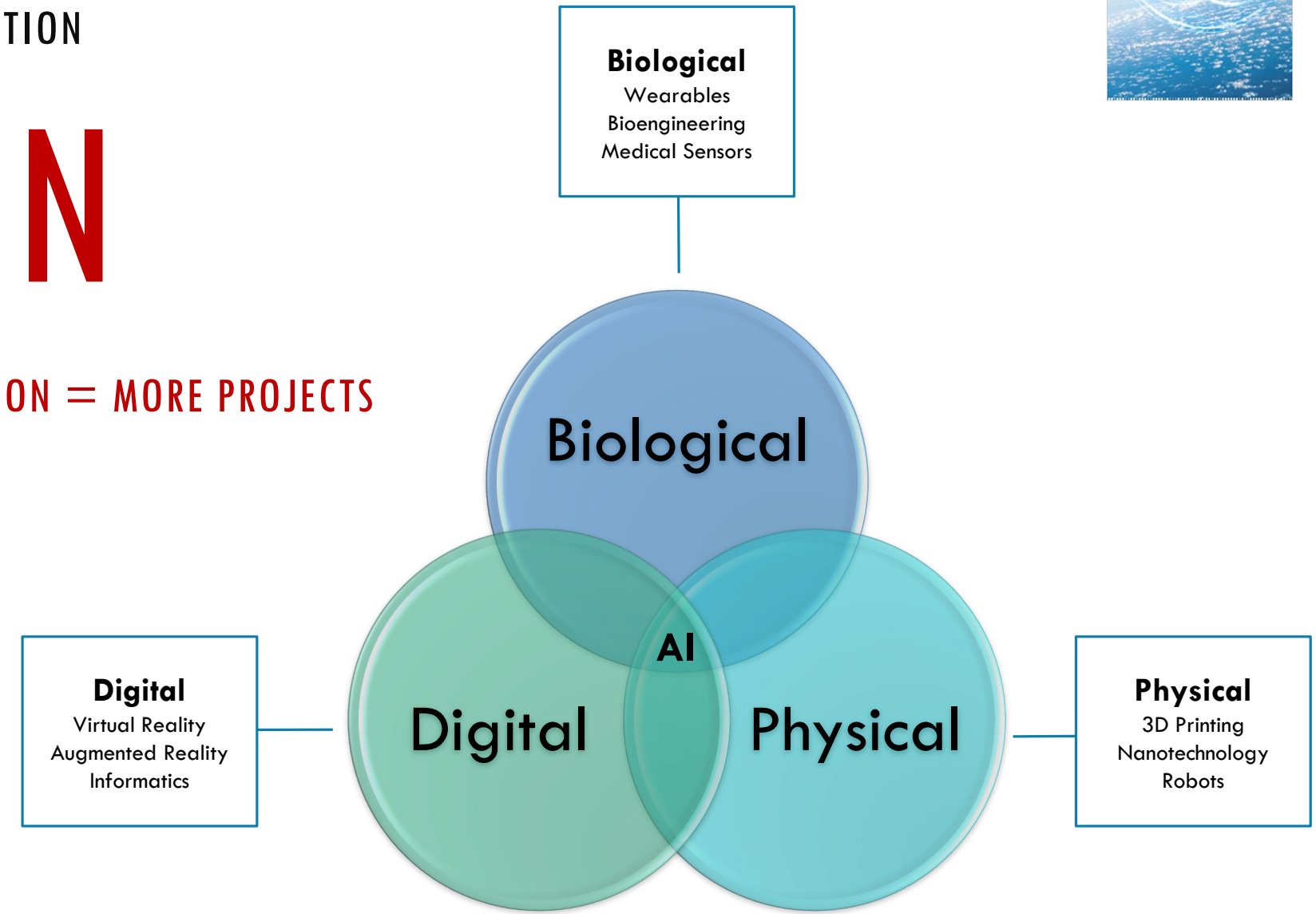
Industrial Revolutions



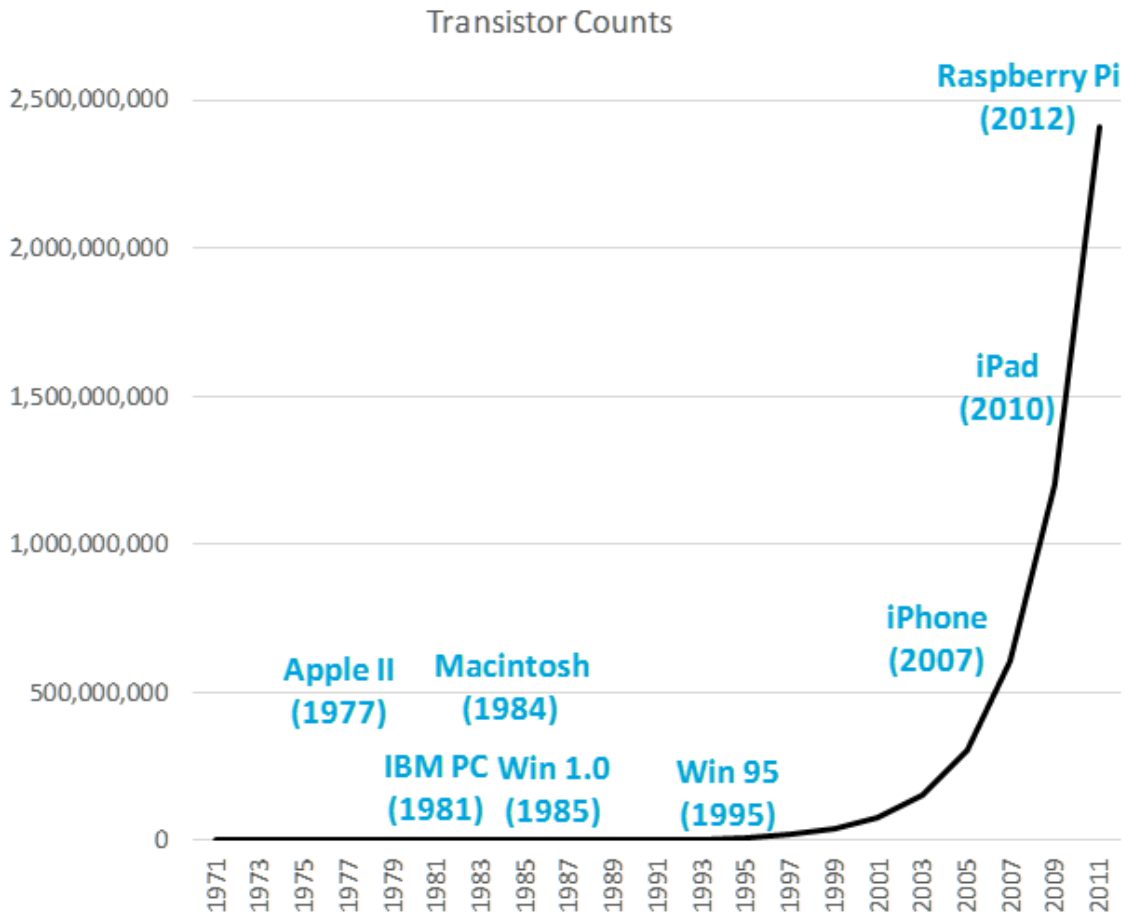
4TH INDUSTRIAL REVOLUTION

FUSION

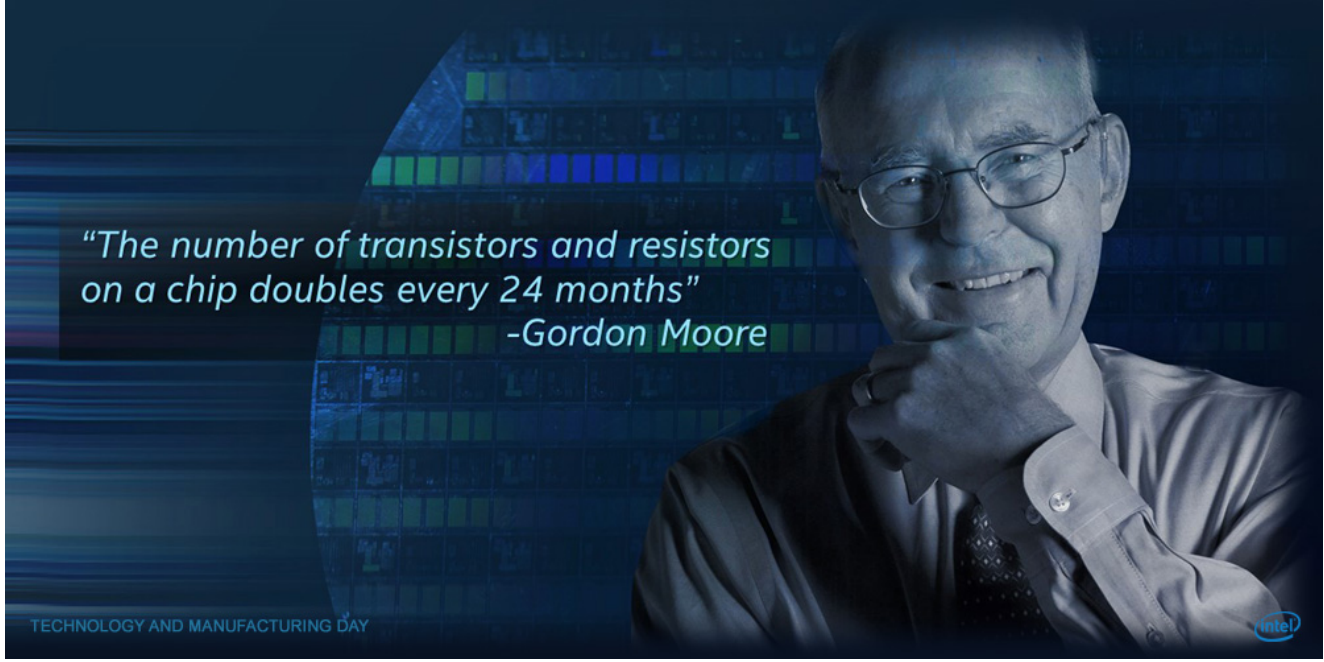
ACCELERATED FUSION = MORE INNOVATION = MORE PROJECTS



MOORE'S LAW



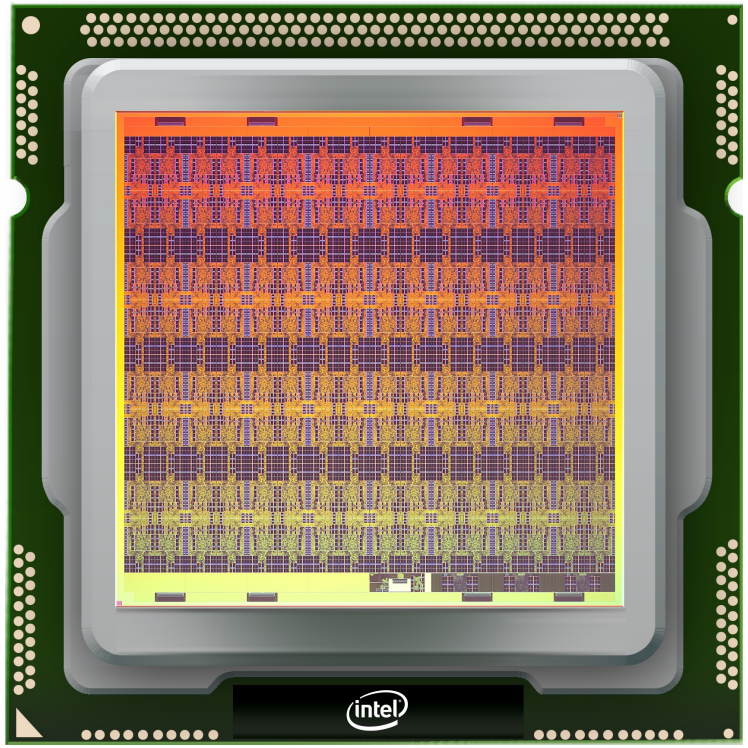
https://internetofthingsagenda.techtarget.com/blog/IoT-Agenda/The-internet-of-things-is-in-your-future-the-law-says-so



https://newsroom.intel.com/editorials/moores-law-setting-the-record-straight/#gs.qwmui6

Technology is exponentially getting smaller, cheaper and more powerful every couple of years

NEUROMORPHIC CHIP TECHNOLOGY



Models the brain using a neural network on a silicon microchip,

Faster & more efficient than current carbon-based chips,

Will enable more powerful AI applications.

https://qbi.uq.edu.au/brain/intelligent-machines/brains-chip-neuromorphic-computing

Key Point

Massive innovations in supporting technology will enable emerging disruptive technologies

AI TECHNOLOGIES

Target AI to improve quality for the following questions:

Descriptive
What Happened?

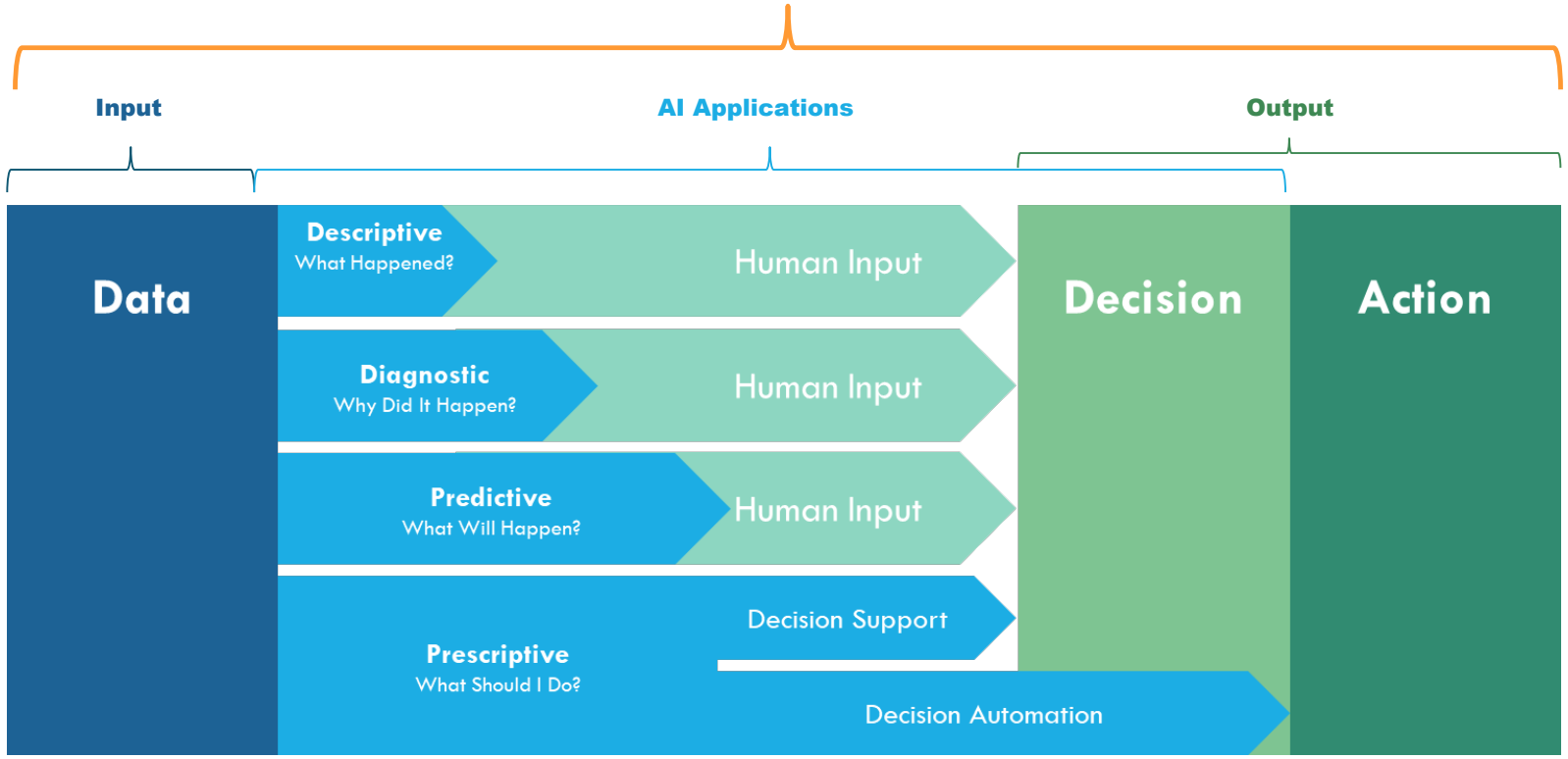
Diagnostic
What Did Happen?

Predictive
What Will Happen?

Prescriptive
What Should I do?

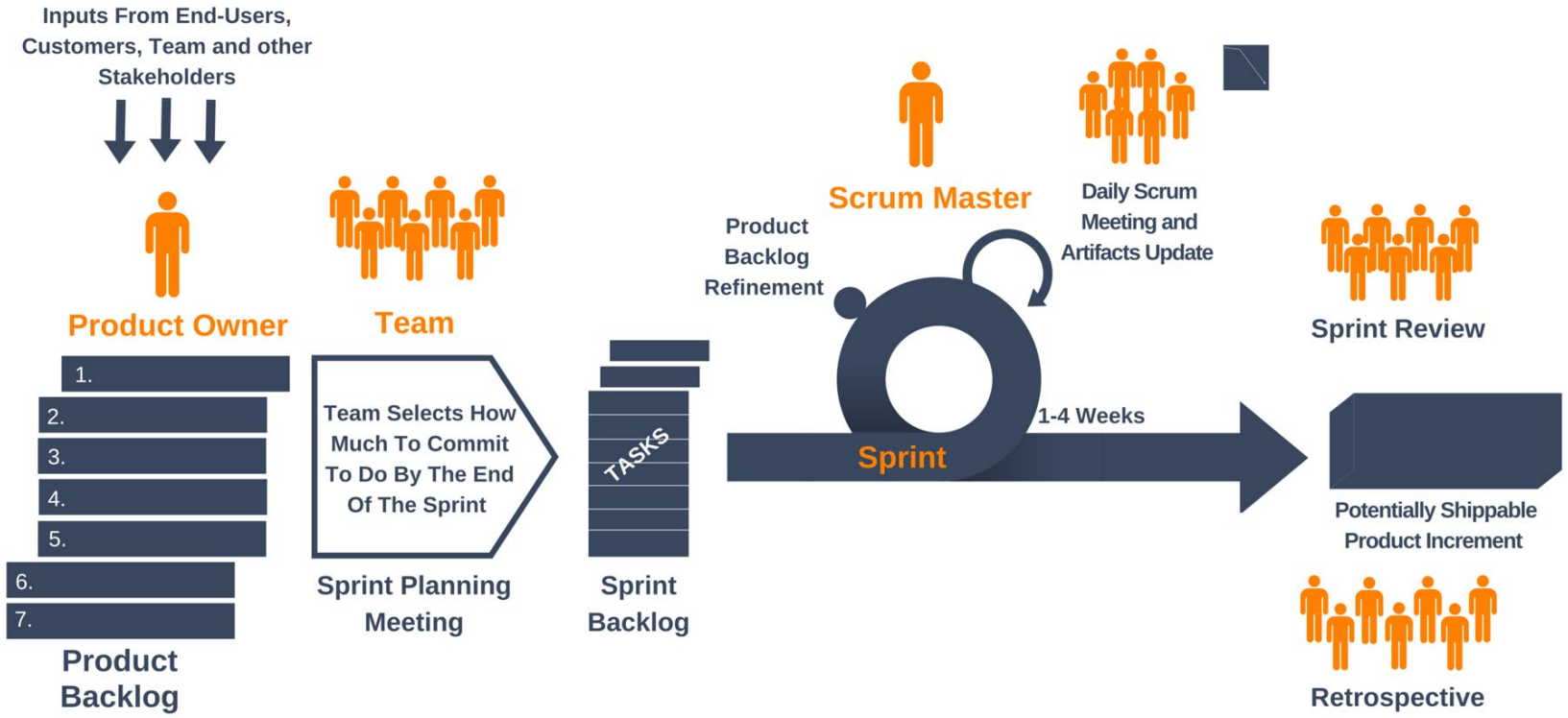
Typical AI Project

connect data with an AI application and test its output



SCRUM

Same types of phases as waterfall; but different approach and mindset!



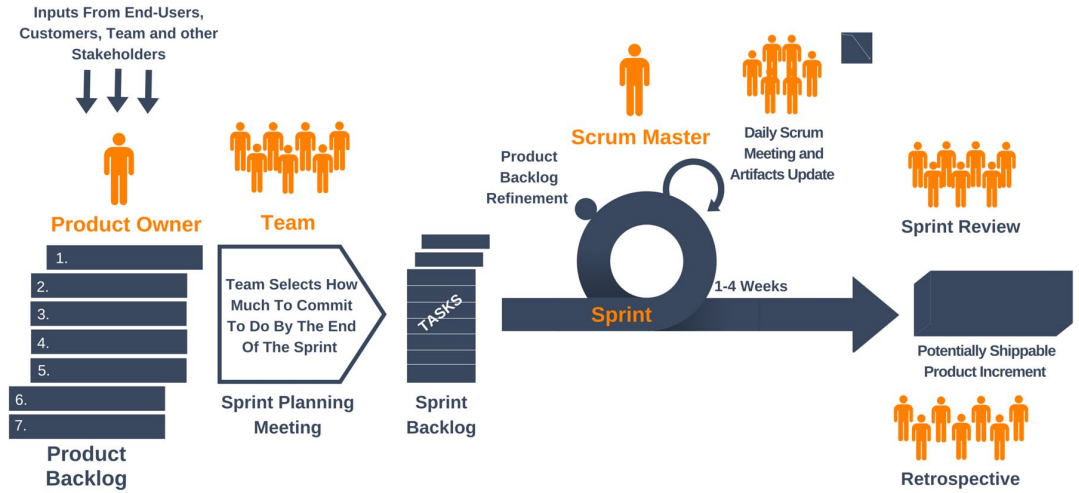
Waterfall — **Discover** | **Plan** | **Design, Build, Test** | **Review**

https://yanado.com/blog/ultimate-guide-to-scrum-project-management-framework/

Manage digital transformation projects with either Agile or Waterfall delivery methods,

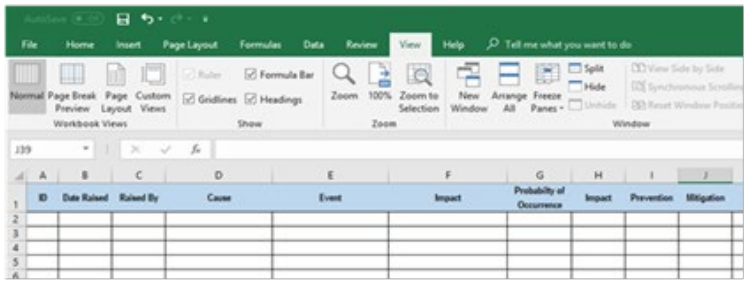
Include simple, best practices like managing risk and reporting progress

PMO

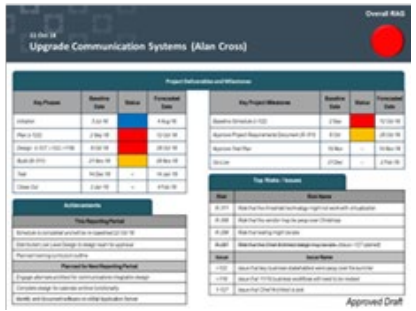


Waterfall Discover Plan Design, Build, Test Review

Risk and Issue Registers



Status Reports



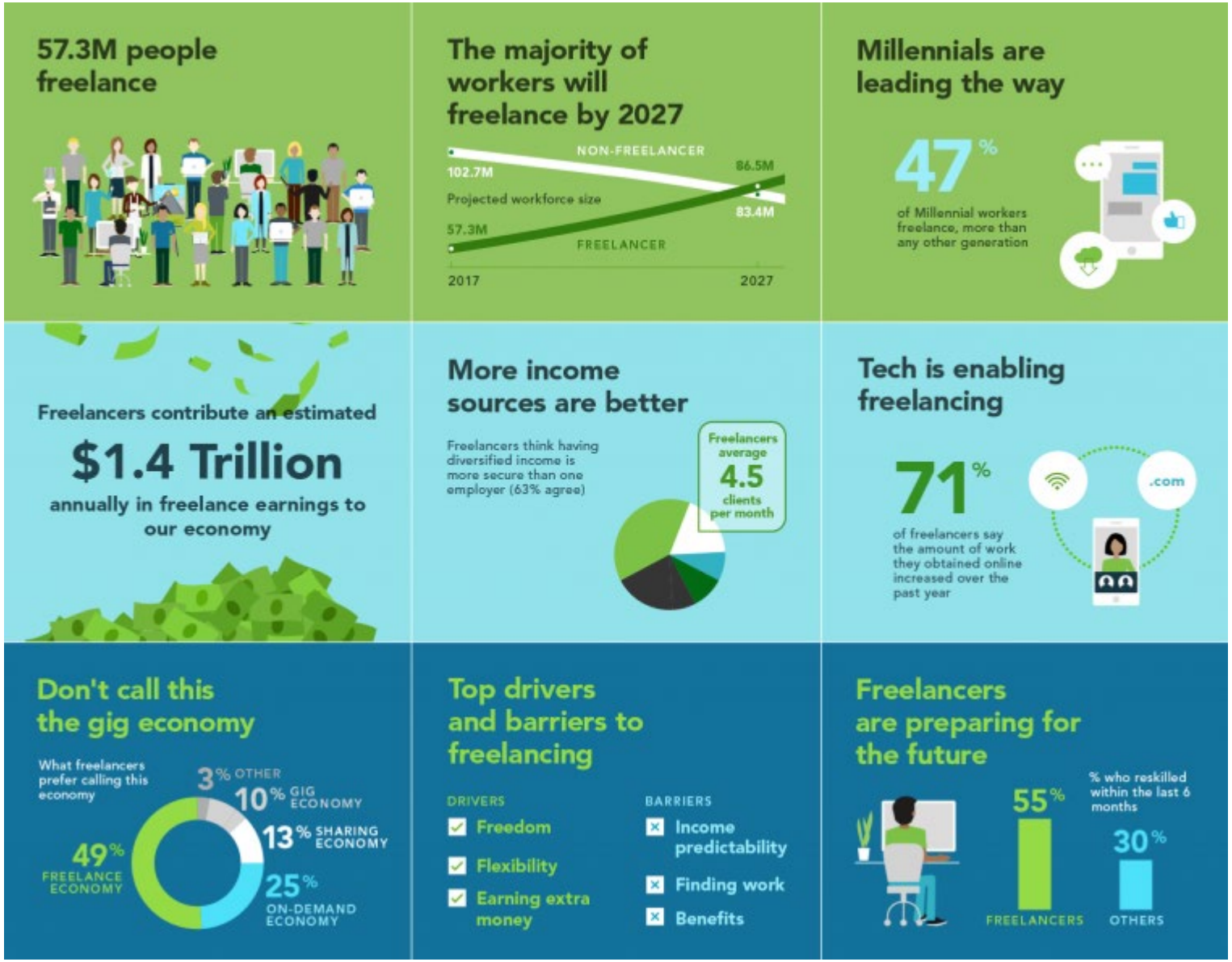
https://yanado.com/blog/ultimate-guide-to-scrum-project-management-framework/

GIG ECONOMY

Gig Economy = Temporary Work

Temporary Work = Project Work!

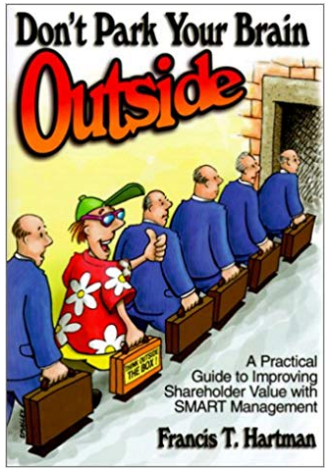
More Project Work for the Skilled!



https://www.upwork.com/press/2017/10/17/freelancing-in-america-2017/

Gig Economy

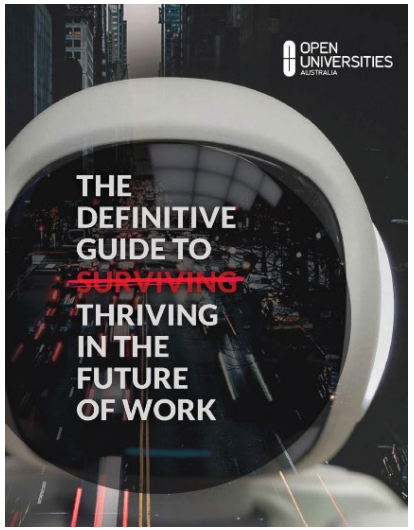
Simplified



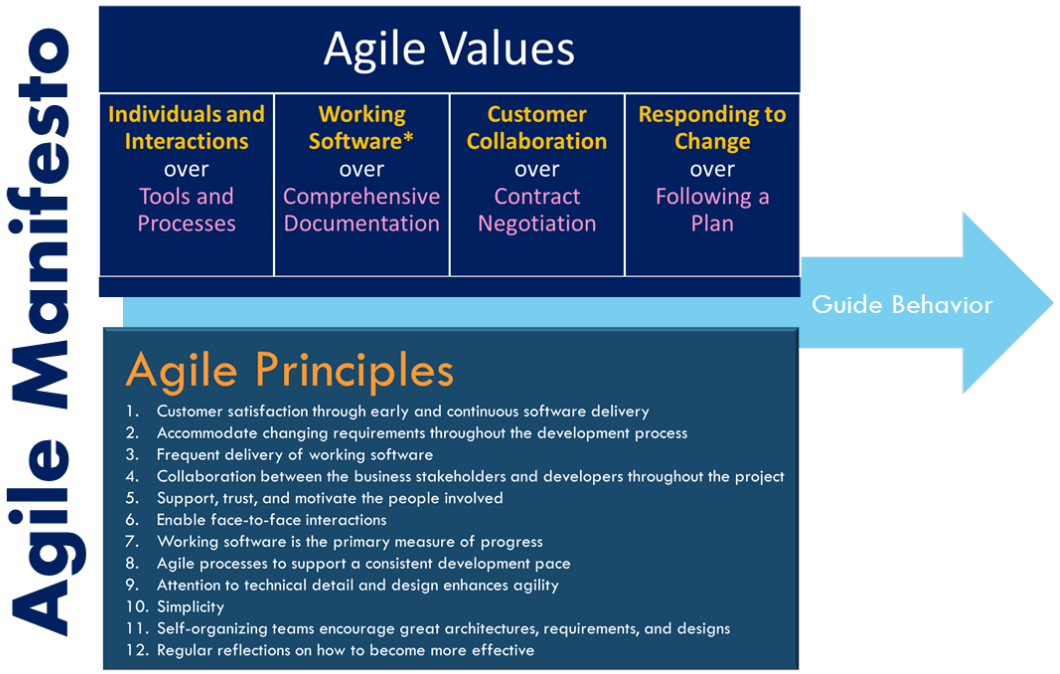
At the end of the project, we turn this around.
There is an "F" on the other side.

WHAT DO ORGANIZATIONS NEED NOW AND IN THE FUTURE?

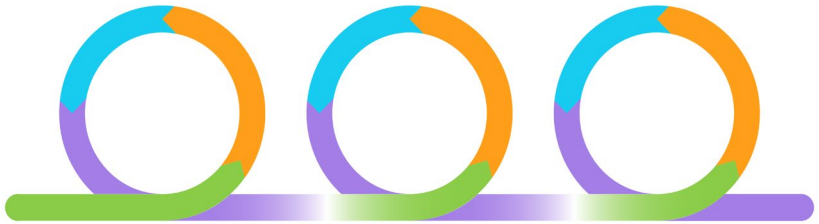
- Analytics
- Human-Centered Design
- Agile Competencies
- Smart Technologies
- Cyber Security



NEW PRINCIPLES AND VALUES, NEW APPROACH



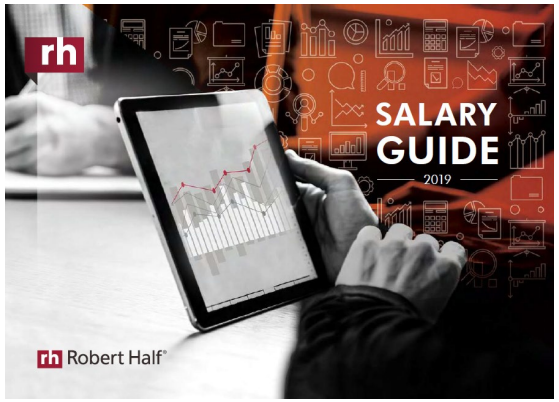
Agile Delivery Method

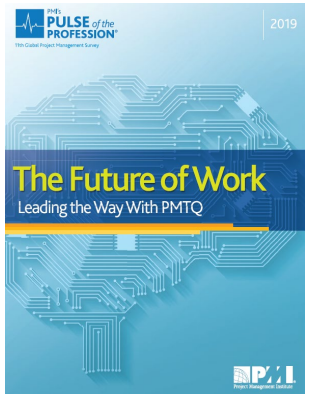


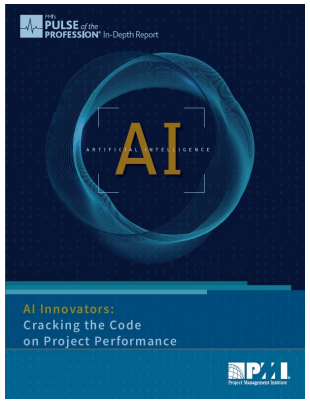
All About Attitude

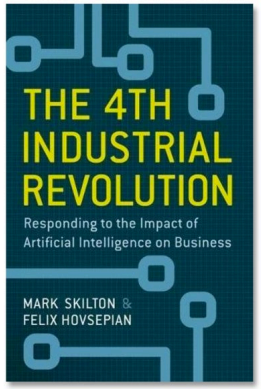
Project teams struggle with Agile when they deviate from the Agile Manifesto

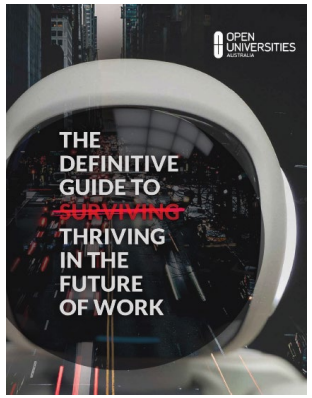
DEMAND FOR DIGITAL PROJECT MANAGERS











More technology

AI growth

More projects

New skills

CONCLUSION

- ☑ Sustainable projectized career
- ☑ Turbulence - changing environment
- ☑ Adaptive approaches: Lean, Agile, Srums, Kanban, etc.
- ☑ Gig economy
- ☑ Continue to develop Agile competencies

Project participants are well positioned to leverage emerging opportunities in a big way!