

## **Establishment of Latin America Land Administration Network (LALAN)**

**Dimo TODOROVSKI, the Netherlands, Rodolfo SALAZAR, Ginella JACOME, Ecuador and Christiaan LEMMEN, the Netherlands**

**Key words:** Latin America, land administration, academic networks, higher education, capacity development

### **SUMMARY**

Networks of academic and higher education institutions are proven platforms for knowledge sharing and experiences in education exchange. During the International Workshop LALA LADM+, 5-9 November 2018 in Quito Ecuador, organized by Universidad de las Fuerzas Armadas ESPE (ESPE University) Ecuador and Kadaster International together with Faculty ITC University of Twente from the Netherlands, Latin America Land Administration Network - LALAN was established. Representatives from seven countries from Latin American continent, Spain and the Netherlands were present at the workshop. The objective of this network is to: perform activities that can support capacity development and sharing knowledge in both fit-for-purpose and responsible land administration within the Latin America Land Administration Network of education institutions. This paper presents the process of establishment of LALAN, the network's objective and planned activities for the coming period.

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## **1. INTRODUCTION**

This paper provides an overview of activities undertaken and academic institutions involved in the process of establishment of Latin America Land Administration Network – LALAN. These activities were conducted in Quito, Ecuador, in the period 5 - 9 November 2018, during the International Workshop LALA LADM+. The International Workshop LALA LADM+ was organized by ESPE University Ecuador and the School for Land Administration Studies (SLAS). SLAS is a joint initiative between the Faculty of Geo-information Sciences and Earth Observations - ITC, University Twente and the Netherlands' Cadastre, Land Registry and Mapping Agency (Kadaster). SLAS is created with aim to build capacity in the land administration domain in developing and emerging economies, resulting in a reliable, practical and transparent land administration; both in academia and in the public sector. Organisers initiated this workshop and invited representatives from academia and governmental agencies from all Latin America countries. Seven countries from Latin America accepted the invitation and took active participation. Representatives from Guatemala (5), Colombia (3), Brazil (2), Suriname (1), Peru (3), Bolivia (1) and Ecuador (40-60). From Europe, Spain (with 1 representative) and the Netherlands (with 4 representatives), were present at the workshop. The idea about establishment of the LALAN was launched on the first workshop day. During the informal parts of the event (e.g. lunch breaks, dinners and coffee breaks), outside of the official workshop programme, the initial idea was further discussed with several participants that had additional ideas. After the positive welcome of the idea, last day preliminary objective and potential activities were presented. That was positively received by the audience and after the agreement was reached, LALAN was established.

In the following chapter two, different capacity development concepts and activities for higher education are reviewed. In the chapter three the need for establishment of LALAN is elaborated. In the following chapter four, the network's objective and planned activities for the coming period are presented. The paper finally ends with drawing some conclusions about this exercise in chapter five.

## **2. CAPACITY DEVELOPMENT ACTIVITIES IN THE HIGHER EDUCATION**

Capacity development is a key issue related to development policies and the sustainability of any measures of development. Since the *Paris Declaration on Aid Effectiveness*<sup>1</sup> in 2005, many

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<sup>1</sup> *Paris Declaration on Aid Effectiveness* (2005)

countries recognized that “the capacity to plan, manage, implement, and account for results of policies and programmes, is critical for achieving development objectives”. With the following *Accra Agenda for Action*<sup>2</sup> in 2008, they recognized that “without robust capacity – strong institutions, systems, and local expertise – developing countries cannot fully own and manage their development processes” and therefore they committed themselves to strengthen capacity development. The process of capacity development is in itself an endogenous process. In 2014, the *GLTN capacity development strategy* articulated the objectives in relation to capacity development and expressed the necessity to put together teams and build entities not only in the content and process of land tools, but also in local context and knowledge, and in training and learning practices.<sup>3</sup> In this perspective, GLTN positions itself as a “catalyst, bridge builder and facilitator of the necessary linkages, methodologies and learning partnerships for action” and looks for partnerships with in-country organisations that “represent and articulate the contextual information, perspectives, experiences and positions on land. ‘Capacity development is one of the key issues for designers of land administration systems. Traditionally, capacity development focused on the short term by means of staff development through formal education and training programs to meet the lack of qualified personnel. But capacity development measures must be seen in the wider context of developing and maintaining institutional infrastructure in a sustainable way. Only then can capacity needs be met and adequate responses to the societal, organisational, and individual level be made.’ (Williamson, et. al., 2010).

### ***Levels and dimensions of Capacity Development***

Capacity Development relates to three levels: societal level, organisational level and individual level. These levels relate to their application of capacity in society and have been identified as follows:

- *The broader system/societal level.* The highest level within which capacity initiatives may be cast is the system or enabling environment level. For development initiatives that are national in context the system would cover the entire country or society and all subcomponents that are involved. For initiatives at a sectoral level, the system would include only those components that are relevant.
- *The entity/organisational level.* An entity may be a formal organisation such as government or one of its departments or agencies, a private sector operation, or an informal organisation such as a community based or volunteer organisation. At this level, successful methodologies examine all dimensions of capacity, including its interactions within the system, other entities, stakeholders, and clients.
- *The group-of-people/individual level.* This level addresses the need for individuals to function efficiently and effectively within the entity and within the broader system. Human Resource Development is about assessing the capacity needs and addressing the gaps through adequate measures of education and training (FIG, 2008).

European Union (EU) continuously acknowledges the importance and the value of capacity development. There are funds available for this every consecutive year, and here a good examples are EU Horizon 2020 and Erasmus+ (<https://ec.europa.eu/programmes/erasmus->

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<sup>2</sup> *Accra Agenda for Action* (2008)

<sup>3</sup> United Nations Human Settlements Programme (UN-Habitat). *The GLTN Capacity Development Strategy*, 2014, p. 5.

[plus/node\\_en](#)). Joint projects for capacity development in Higher Education with three and more European, and three and more overseas partners are a network in itself.

For ITC, capacity development implies building capacity in domain-specific knowledge, skills and attitude at the individual and institutional/societal levels. ITC therefore aims to achieve both individual and collaborative capacity building. This development reflects what happens in modern societies with a strong private sector. Individual capacity development aims will be addressed through education (ITC, 2019). ITC has long experience in capacity development in both academic/education and public/governmental sectors. This done via Masters Programme, Postgraduate Diploma programme, Short Courses, Tailor Made Trainings and Refresher courses. In addition, in the last decade establishment of academic networks was proven as fruitful platform for knowledge and experience sharing in the level of academia and education. Examples are: UN-HABITAT Global Land Tool Network – GLTN (<https://gltn.net/>), Eastern Africa Land Administration Network – EALAN (<https://ealan-network.org/>), NEGLA etc.

Based on these experiences, where collaboration is a key factor in development, we came to idea to establish similar network in Latin America. The needs and ideas about that are presented in the following chapter three.

### **3. THE NEED FOR ESTABLISHMENT OF LALAN**

Based on experiences of SLAS actors involved, both ITC and Kadaster, believe and work together in establishment of network that could facilitate knowhow and knowledge sharing within established or potential new networks in land administration domain. Here we consider land administration as ‘the process of determining, recording and disseminating information about tenure, value and use of land when implementing land management policies’ (UN/ECE, 2005).

We used the opportunity of several present academic participants at our International Workshop LALA LADM+ to make an inventory about presence of the topic of land administration in the bachelor degree and master programmes in the countries/universities present at the workshop. The following representative’s actors from respective countries were consulted:

- ESPE University – Ecuador;
- Universidad de San Carlos De Guatemala;
- Universidad Distrital – Colombia;
- Universidad Politecnica De Valencia – Spain;
- Universidad de Campinas - Brazil
- Universidad San Martin De Porres, Universidad Catolica San Pablo – Peru.

It was identified that land administration domain is taught only as a separate subject in some Bachelors programmes or in some master specializations, in Latin America countries. On the other hand, practice about performance of the public sector in regard of land administration was not as good as it could be, but all participants acknowledged that some international projects (e.g. World Bank funded projects or related donor projects) are active in most of Latin America region. A gap between a particular country land policy/strategy, operations, and academia in

land administration is evident. Having said all this the need and justification of the LALAN was derived.

#### **4. THE OBJECTIVE AND ACTIVITIES OF LALAN**

After this initial thoughts and considerations next logical step was to articulate the objective of this network and initial planned activities. Those were presented during the closing ceremony of international workshop LALA LADM+. Here follows the objective of LALAN:

*The objective of this network is to: perform activities that can support capacity development and sharing knowledge in both fit-for-purpose and responsible land administration within the Latin America Land Administration Network of education and research institutions.*

In addition to the objective of LALAN the initial possible activities to be performed in the coming period were listed as follow:

- Articulation of the LALAN – Statement
- Network and secretariat (management, coordination, & assessment of the network activities)
- Short courses for Land Professionals in the education (train the trainer approach)
- Education and Knowledge sharing (review of current curriculum in Land Administration with aim of update and improve)

The objective and the possible activities are considered as a good starting point and all present actors from academia and education institutions were optimistic for positive outcome from this network. It was also suggested for the future activates to invite other interested partners from other countries.

#### **5. CONCLUSIONS**

In this paper, different capacity development concepts were reviewed. The need for establishment of LALAN is elaborated and the network's objective and planned activities for the coming period are presented. In conclusion, Latin America Land Administration Network - LALAN was established. From the experience from the performance and outcomes from other networks we can derive that this is a positive activity that could develop capacities at partner's side and increase knowledge on the creators/organisers side. This kind of networks also require a lot of coordination and communication activities, and good administration.

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## BIOGRAPHICAL NOTES

**Dimo Todorovski**, is Portfolio Holder Education of PGM department and M-GEO Masters coordinator of land administration specialization at Faculty of Geo-Information Science and Earth Observation (ITC), the University of Twente, in Enschede, the Netherlands, and he is FIG Commission 2 Chair Working Group 2.1: Developing Academic Networks (term 2019-2022). He holds a PhD from University of Twente and he obtained MSc degree in Geo-Information Management at ITC, in 2006. Over the 19 years of professional engagement (1992-2011) in the Agency for Real Estate Cadastre in the Republic of Macedonia, last 12 years were on different managerial positions (Digitizing, GIS and Geo-ICT departments), and the final year he was Head of the Department for International Cooperation and European Integrations. His research interest focuses on land administration and land management, and on land administration in post-conflict contexts.

**Rodolfo Salazar**, is a senior Lecturer at the Department of the Earth Sciences and Civil Engineering of Universidad de las Fuerzas Armadas ESPE – University ESPE, in Quito, Ecuador. He is member of the Academic Research Network in Territory Management and Geospatial Information Technologies (RIGTIG) from REDU-Ecuador. He obtained his MSc degree in Geo-Information Management at ITC, in 2001 and is finishing his PhD at the University of Santiago de Compostela, Spain in Sustainable Soil and Land Management. Last 10 years he had academic positions as Director of the Earth Sciences and Civil Engineering Department and Vicerector of Research at Universidad de las Fuerzas Armadas ESPE as well as collaborator at academic and public Institutions in Ecuador (IGM, IEE, CEAACES, MIDUVI). Since 2018 he has been registered as Researcher at SENESCYT. His research interest include land administration, land management, national and regional spatial planning strategies for sustainable urban and regional development with focus on spatial, social, economic and environmental conditions and the exposure and vulnerability to multi natural hazards.

**Ginella Jácome**, is a senior Lecturer at the Department of Civil Engineering and Earth Sciences of Universidad de las Fuerzas Armadas ESPE – University ESPE, in Quito, Ecuador. She is member of the Academic Research Network in Territory Management and Geospatial Information Technologies (RIGTIG) from REDU-Ecuador and the Pan-American Institute of Geography and History (IPGH-Ecuador). She obtained MSc degree in Geo-Information Management at ITC, in 2007. Last 10 years were also on different managerial positions in some public institutions in Ecuador (SENPLADES, CEAACES, MCCTH), and since 2015 she has

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**Christiaan Lemmen** is full Professor Land Information Modeling at the Faculty of GeoInformation Science and Earth Observation of the University of Twente in the Netherlands. His other main job is as Senior Geodetic Advisor at Kadaster International, the international branch of the Netherlands Cadastre, Land Registry and Mapping Agency. He is director of the OICRF, the International Office of Cadastre and Land Records, one of the permanent institutions of the International Federation of Surveyors (FIG). He is co-editor of the International Standard for the Land Administration Domain, ISO 19152 and the designer of the Social Tenure Domain Model (in co-operation with UN HABITAT and FIG). He holds a PhD from Delft University of Technology, The Netherlands.

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