UNIVERSITY OF TWENTE.

Presented at the FIG Working Week 2017,
May 29 - June 2, 2017 in Helsinki, Finland

LAND ADMINISTRATION MASTER'S PROGRAMME MISSION REVISITED

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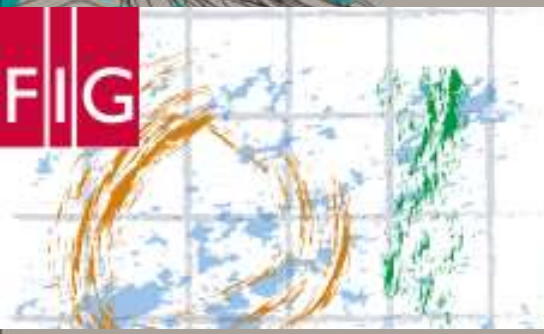

FIG WORKING WEEK 2017

Surveying the world of tomorrow –
From digitalisation to augmented reality

May 29 - June 2 Helsinki Finland

ITC FACULTY OF GEO-INFORMATION SCIENCE AND EARTH OBSERVATION

INTRODUCTION

- Land administration recognized as a critical success factor in: economic growth, food security, nature conservation and poverty reduction
- Less than ¼ countries in the world maintain a complete LAS
- For an up-to-date course programme we do a periodical review
- The aim of this paper:
  - is to describe the rationale and methodology,
  - the workshop process and intermediate results, and
  - the mission, vision and goal statements for the land administration domain

CURRICULUM REVIEW

- The need for a curriculum review of LA programme was based on:
  - Declining number of students [bounced back already]
  - Website not attracting our target students
  - Need for course revision (last one 2007 and partially in 2015)
  - Upcoming transition in the course calendar to 2 academic years
  - Changing technologies
  - New directions and scope for land administration in general

NEW METHODOLOGY

- Firstly we need a well formulated strategic directions
- That was based on the following principles:
  - Evidence-based
    - Global developments and trends,
    - Outcome of own research over the last years, and
    - Survey among alumni and their employers.
  - Ownership of process
    - Full participation of all land administration staff,
    - Knowledge sharing and learning, and
    - Common agreement.

SERIES OF WORKSHOPS – WORKSHOP 1

- Workshop 1: Trends in Land Administration
  - Each participant to come up with 3 trends (based on UNGGIM, WB, FIG events from 2016)
  - 2 provoking presentations;
    - 'Creating cadastral intelligence: smart surveyors, mandated mobs and cadastrobots', (Bennett, 2016)
    - ‘How wicked is land administration?’ (Zevenbergen, 2016)
  - Discussions:
    - What do we notice? and
    - What does this mean for our future directions?
  - Summary report and suggestions for the next steps

SERIES OF WORKSHOPS – WORKSHOP 2

- Workshop 2: Mission and Vision of our Land Administration domain
  - Key terms for the vision of the Land Administration group at ITC.
  - Think big! Be ambitious / use resources from First workshop (figure bellow)

… First Draft

SERIES OF WORKSHOPS – WORKSHOP 3

- Workshop 3: Agreement and Conclusion for Curriculum Review
  - A presentation on the outcome from first and second
    - Trends: where to go?
    - First draft mission from second workshop
    - Multiple Missions that several LA colleagues developed
  - Alumni survey 2015 (de Vries and Lengoiboni, 2015)
  - Agreement on the final Mission, Vision and Goals of Land Administration domain at ITC

OUTCOME OF THE WORKSHOPS – WORKSHOP 1

'Creating Cadastral Intelligence: Smart Surveyors, Mandated Mobs, and the Cadastrobots'
Presents and challenges 'our goal' • Create change agents • Tenure security for all • Cadastral intelligence concept Cadastral surveyors' perspective
'How wicked is land administration?'
• Discusses research problems in land administration, related to land registration issues. • Wicked, moderate or tame problems • Tenure security and property rights focus Land registration perspective

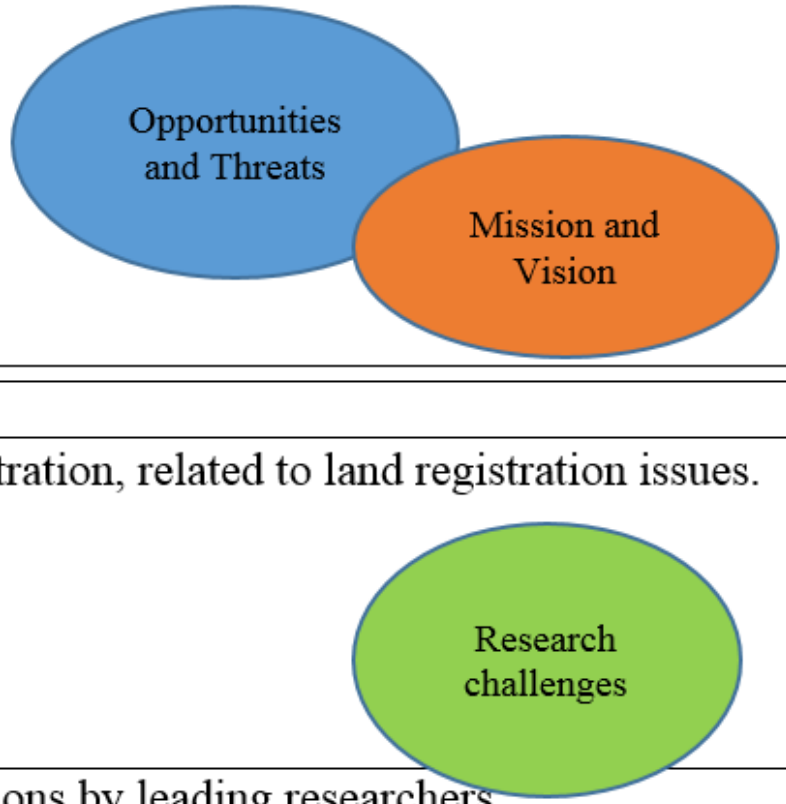

Table 1: Summary of the two presentations by leading researchers

OUTCOME OF THE WORKSHOPS – WORKSHOP 1

Figure 3: presents the input as per the discussions in the Team 1

Figure 4: presents the input as per the discussions in the Team 2

Figure 5: presents the input as per the discussions in the Team 3

OUTCOME OF THE WORKSHOPS – WORKSHOP 1

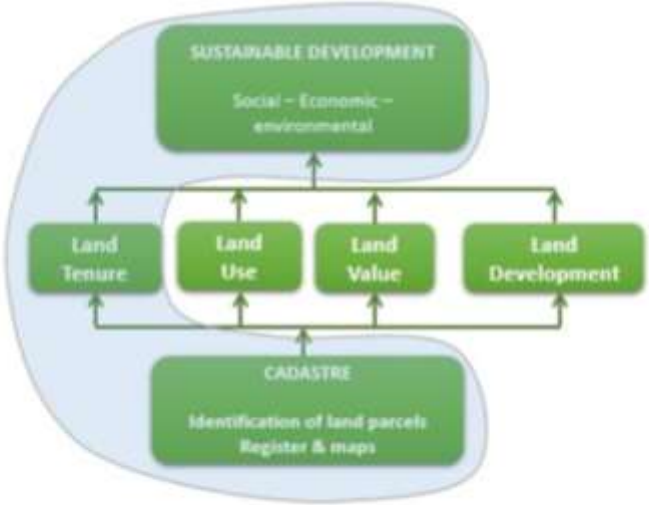

Diagram 1: Focus on Cadastre, land tenure in support of sustainable development

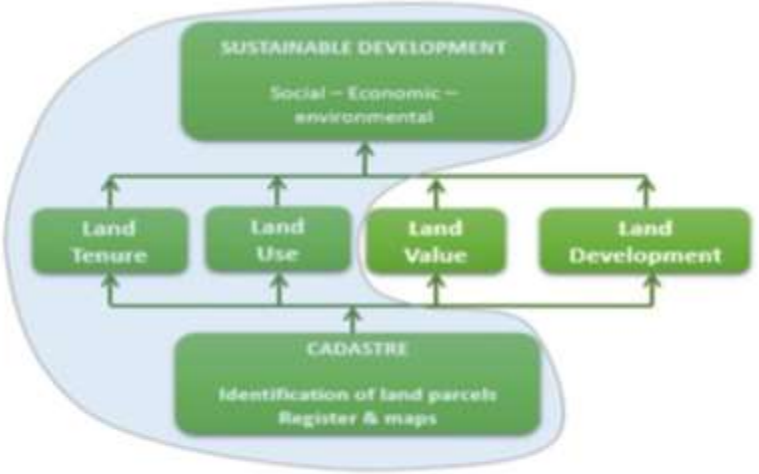

Diagram 2: Focus on Cadastre, land tenure and land use in support of sustainable development

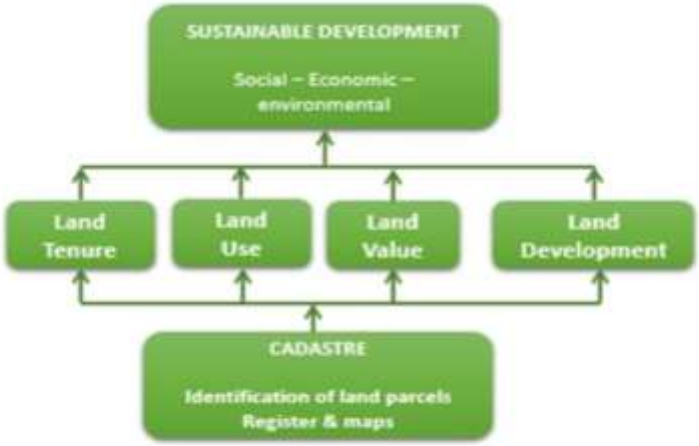

Diagram 3: Focus on Land Administration by covering all aspects supported by a cadaster i.e. land tenure, land use, land value & land development – in support of sustainable development

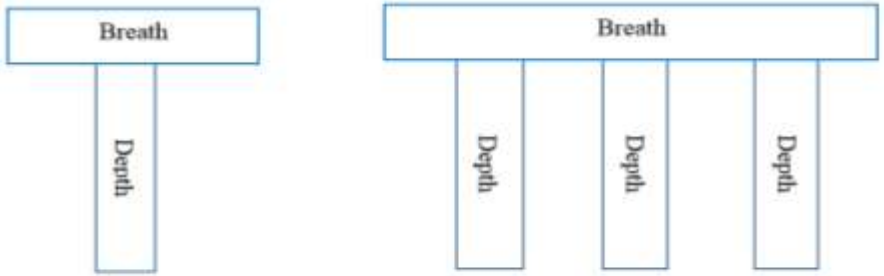

Figure 6: T-shaped and multiple T-shaped model (http://tsummit.org/t)

OUTCOME OF THE WORKSHOPS – WORKSHOP 2

- Workshop 2: Mission and Vision of our Land Administration domain

Figure 7: combined output of Team 1 and Team 2

OUTCOME OF THE WORKSHOPS – WORKSHOP 3

- Workshop 3: Agreement and Conclusion for Curriculum Review
  - A presentation on the outcome from first and second workshops
  - Alumni survey 2015 (de Vries and Lengoiboni, 2015)

Survey and report review MSc in land administration at ITC
Market and Niche for LA ITC • Decline students no. • Other LA related programs • ITC LA course still unique • Interest short courses • Variety of background students

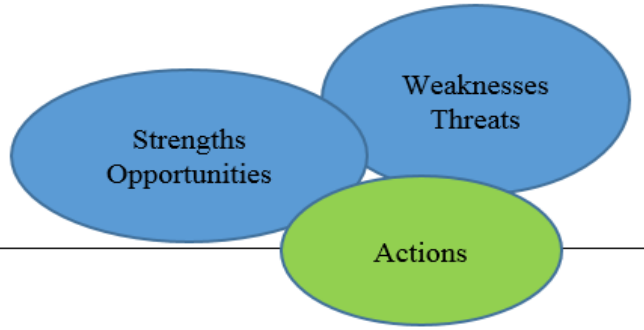

Table 2: Summary of alumni report (De Vries & Lengoiboni, 2015)

VISION, MISSION AND GOALS OF LA AT ITC

- Our *vision* is land tenure security for all.

- This aligns with the Sustainable Development Goal 1.4. that seeks to ensure that ‘all men and women, in particular the poor and the vulnerable, have equal rights to and ownership and control over land and other forms of property’ by 2030.

VISION, MISSION AND GOALS OF LA AT ITC

- We respond with our *mission* to provide education, research, and capacity development in responsible land administration,

- To develop land administration capacity rooted in cadastral intelligence, and to create change agents capable of designing and applying both responsible and fit-for-purpose land administration solutions.

- Therefore, *our goal* is to continue to be known as the unique global center for the inspiration, development and diffusion of geospatial innovations in both responsible and fit-for-purpose land administration.

Smart Surveyors for Land and Water Management

kadaster

GIN Geo-Informatie Nederland

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