LAND IS ABOUT PEOPLE

La tierra se refiere a las personas
PEOPLE-LAND RELATIONSHIP IS UNIQUE FOR EACH CULTURE

La relación entre tierra y personas es única para cada cultura

DANIEL PÁEZ, PhD – dpaez@uniandes.edu.co

TODAY, YESTERDAY AND TOMORROW, CONFLICTS ARE ABOUT LAND

Los conflictos de ayer, y los de mañana, son sobre la tierra

DANIEL PÁEZ, PhD – dpaez@uniandes.edu.co
• Working Group 7.2 – Land Management in Climate Change and Pre- and Post-Disaster Areas
  • Chair: Daniel Páez (PhD), Colombia, email: dpaez@uniandes.edu.co

• Policy Issues
  • assessment of land tenure in post-disaster areas
  • pre-disaster assessment / documentation of land tenure
  • legal/institutional/technical Fit-For-Purpose methods to secure land rights in pre- and post-disaster areas
  • impact of climate change on land tenure / loss of land, land use changes
  • compensation for value changes, consolidation of agricultural land, adjustment of urban land in post disaster regions
  • new technologies for data capture in pre-disaster areas / validation of third party data
  • cooperation models with public authorities / voluntary guidelines in conflicts
  • capacity building in disaster response bodies
  • spatial data infrastructures for pre-, during and post-disaster response (link to FIG Commission 3)

FIG Commission 7 working group 7.2 have been working in improving knowledge for Disaster Management

“Ensuring the Rapid Response to Change Ensuring the Surveyor of Tomorrow”
LAND TERNURE AND DISASTER RISK MANAGEMENT

LAND AND NATURAL DISASTERS: GUIDANCE FOR PRACTITIONER

MICROFINANCE AND DISASTER RISK MANAGEMENT: EXPERIENCES AND LESSONS LEARNED

LAND, ENVIRONMENT AND CLIMATE CHANGE: MANAGING THE RISKS OF EXTREME EVENTS AND DISASTERS TO ADVANCE CLIMATE CHANGE ADAPTATION

SURVEYOR’S ROLE IN MONITORING, MITIGATION AND ADAPTING TO CLIMATE CHANGE

PUBLICATIONS IN POINT SHARE

• Climate Change and Adaptation
  - Land, Environment and Climate Change
  - Managing the Risks of Extreme Events and Disasters to Advance Climate Change Adaptation
  - Surveyor’s Role in monitoring, mitigation and adapting to Climate Change

• Disaster Risk Management
  - Land, Environment and Disaster Risk Management
  - Land and Natural Disasters: Guidance for Practitioner
  - Microfinance and Disaster Risk Management: Experiences and Lessons Learned

POINTSHARE IS AN Holistic APPROACH TO KNOWLEDGE AND DATA SHARE FOR DISASTER MANAGEMENT

• Sharing data, cloud points, orthophotos
• Publications and general information
• E-Learning material and social networks

DANIEL EDUARDO PÁEZ – DAVID MITCHELL
Working group 7.2 has the objective, using pointshare, to develop key policy documents in the next 4 years

- Guidelines for post- and pre-disaster management of land rights
- Whitepaper on the use of new technologies for spatial data collection for disaster prevention and management
- Analysis of climate change impacts on land management and land use
- Guidelines for spatial data infrastructure (SDI) development and sharing for disaster management

Key issues are still the same...

- Significant different results between cadastre agencies
- An incomplete cadastre
- Lots of technology, very few results
- Overlapping of competencies

Situation today
What we drive?

Rural cadastre – IGAC, Antioquia
- Out of date
- Expensive to run and maintain
- Does not support sustainable development

Urban Cadastre – Bogota, Medellin Urban parts IGAC
- Capable to drive fast but…
- an old model renovated
- Expensive to run and maintain

Swedish, Dutch, Austrian cadastre
- Modern
- Efficient to run
- Serve the needs of market and sustainable development

Where we drive?

Ej: Australia
- Straightforward processes
- Multi-purpose
- Good road signs (Clarity of competencies)
- No overlapping

Ej: USA
- Multi-purpose
- Good road signs (Clarity of competencies)
- Some costly corners for development
- No overlapping

Colombia
- No line-marking
- Many overlapping between agencies
- Costly processes and lack of result
- where is the fiishline? (no clear purpose)
Where we race

- No improvement for the poor
- Increases in land disputes
- New agencies for new purposes

By the citizen for the citizen

Problem

- Straightforward processes
- Multi-purpose
- Integration cadastre-registry
- Fit for purpose

How to remove the nail?
Lawyers propose…

Problem

Computarized screw driver

Over complex bullet-proof processes
Based on an effective bureaucracy (that does not exist)
Good for other purposes…but not for the cadastre

Technology sellers proposes…

Problem

Robotic arm

Fit the purpose
Expensive investment (already US$200m other US$400m)
Expensive to maintain (high technology, many staff)
What we need…

Problem

A hammer…

• Legislation that changes the racetrack
• A focus on a multi-purpose cadastre that all can use
• Decentralization
• Open technological tools for the vehicles on the track
• Funding sources from land value capture to buy a new efficient car

Focus on the objectives
Simple to use by all agencies
Cost-efficiently

Online survey for technology use, regulation and future

• To be distributed to FIG members
• Questions reviewed by Commission 7 (this week!)
• Write a white paper