

# Closing Address

## Prof. Stig Enemark

 President

6th FIG Regional Conference  
Coastal Areas and Land Administration - Building the Capacity  
San José, Costa Rica,  
12–15 November 2007



### Three Main Themes

- Coastal Zone Management
- Land Administration
- Capacity Building

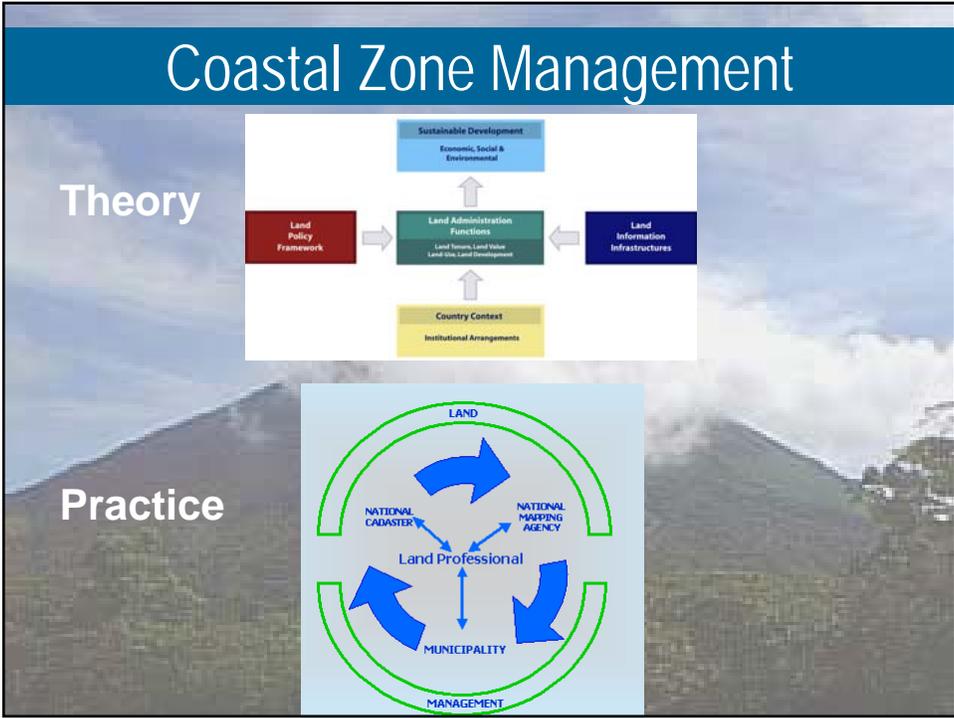


## Coastal Zone Management

- Society across the world is moving towards the coast
- The Coastal Zone is dynamic, change is a constant
- Development without exclusion of anyone group or use
  - We need to ensure social justice – both extreme poor and very rich occupy the coastal zone
  - We need to find an equitable balance between conflicting priorities, between rich and poor and
  - It's a real issue in Costa Rica and in many other parts of the world

## Coastal Zone Management

- Why is the Coastal Zone so important?
- Highly vulnerable due to:
  - Dynamic change (climate, population....)
  - Multipurpose uses (land/sea interface)
    - Tourism
    - Ecology / biodiversity
    - Traditional occupation/livelihoods
    - Land and hydrographic rights and restrictions
- The result is most often an imbalance – and leads to conflict



## Coastal Zone Management

- We have a duty of care to the citizen, to use our professional skills to benefits society as a whole.

No Activity should take place in the Coastal Zone without the footprint of a Surveyor being involved

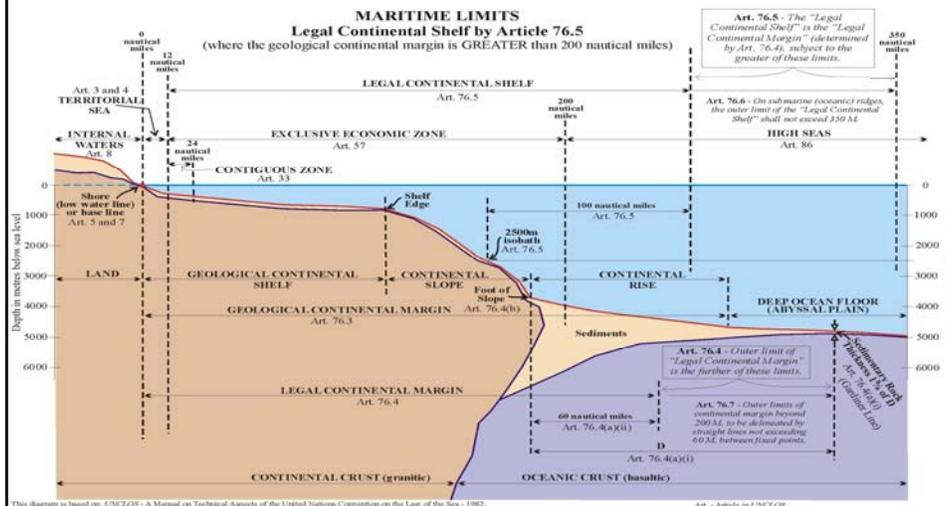
Surveyors should not be seen as only technical people

- Surveyors need to engage with .....
  - Other professionals and professional bodies
  - National and International bodies
  - Politicians at all levels

## Coastal Zone Measurement

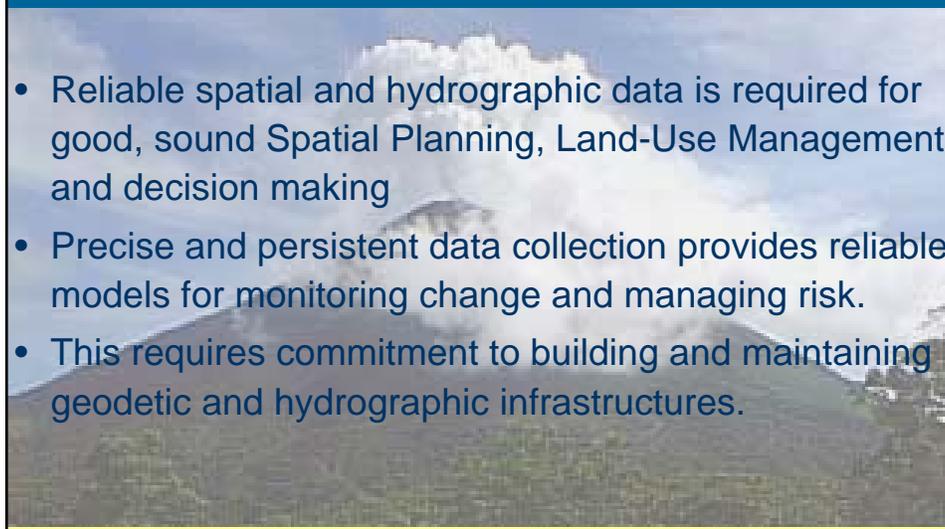
- Surveyors need to use there technical skills to collect and collate data:
  - Geodetic
  - Hydrographic,
  - Cadastral
  - Spatial Data Infrastructures
- Collection of data is now easier, but the assessment, interpretation and management requires skilled professionals

# Coastal Zone Measurement



**The nature of the land/sea interface is dynamic.**  
**The role of the land surveyor do not end at the waterline.**  
 Tanah Air', Malaysian expression for 'Homeland' translates to land and sea.

# Coastal Zone Measurement



- Reliable spatial and hydrographic data is required for good, sound Spatial Planning, Land-Use Management and decision making
- Precise and persistent data collection provides reliable models for monitoring change and managing risk.
- This requires commitment to building and maintaining geodetic and hydrographic infrastructures.

**“Good Coordination begins with Good Coordinates”**

David Doyle

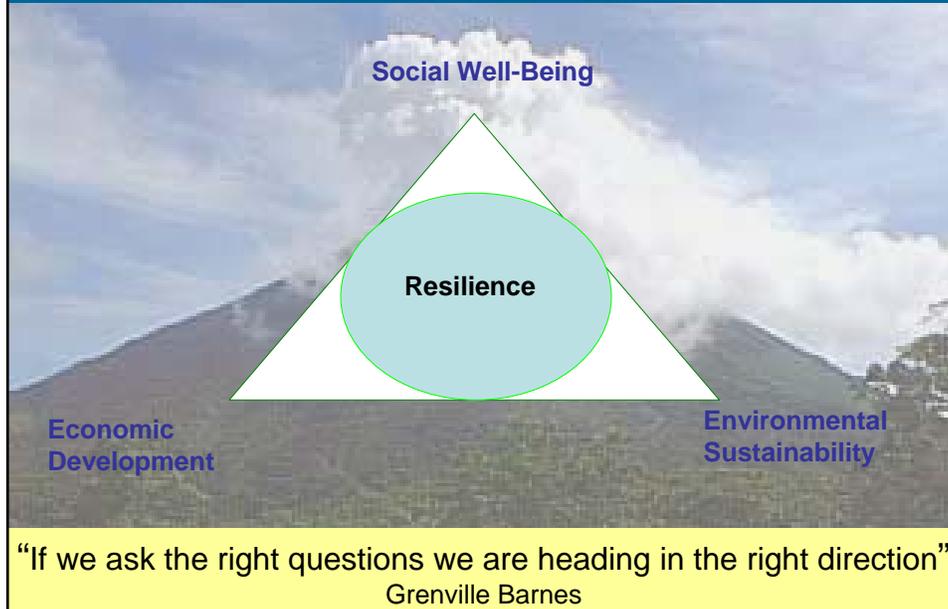
## Land Administration

- A modern Cadastre integrates the Cadastre and Land Registry. It must provide:
  - Sustainability and affordability
  - Access to all users (including rural outreach: e.g. access via web and cell phones)
  - Low cost, transparent, and potentially autonomous.
- Reform of the institutions requires good information systems, good governance and political will

## Land Administration

- Working towards Integrated Spatial Development
  - Do not over complicate systems – keep them simple and focused
  - Focus on Monitoring and Evaluation and get the baseline
  - Need for partnership and linkages across sectors
  - Link roles, rights, restrictions and responsibilities

# Land Administration



# Land Administration

- Sustainability = Maintaining the same
  - Resilience = Recognition of change, adaptability
    - Maintains relationship between space and time
    - The amount of change that a system can undergo while maintaining the same controls on structure and function
  - Resilience can be measured by the time the land administration system takes to return to pre-disaster status e.g hurricanes, flooding, etc
- A focus on change would mean a prioritisation of parcels that are being transacted and changed in the Land Market (Grenville Barnes)

# Capacity Building

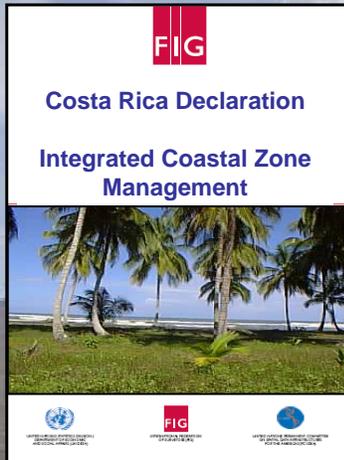


# Capacity Building

- Surveying education must change from being seen very much as an engineering discipline
- Surveying education must be research based and interact with professional practice.
- Surveying education must be interdisciplinary to include Measurement Science, Land Management and Spatial Information Management
- Learning for life must be replaced by life long learning
- Professional organizations play a key role in providing professional development and regulating behavior through professional code of ethics

"Academia and professional practice  
should walk together hand in hand"

## Developing a Costa Rica Declaration



- Intention is to be launch at the FIG Working Week In Stockholm, Sweden, July 2008
- Developing the concept of Integrated and Pro Poor Coastal Zone Management
- Identifying the problems and issues related to CR and the Central American Region
- Analyzing these problems in the context of Pro Poor CZM
- Looking at recommendations and ways forward



# Muchas Gracias Thank you

