



# FIG WORKING WEEK 2019

22–26 April, Hanoi, Vietnam

"Geospatial Information for a Smarter Life and Environmental Resilience"



## Asia Pacific Capacity Development Network (AP CDN)

*Breakfast Meeting  
FIG Working Week 2019, Hanoi - Vietnam*

*Rob Sarib – Chair*

ORGANISED BY



PLATINUM SPONSORS



# Our Mission ?

To enable an environment of land, marine and “space” professionals to effectively provide innovative, reliable and best practice solutions to address the regional social, economic, environmental and technological challenges associated with global geospatial trends, our rapidly changing and complex world.

***“Surveying is a modern profession acting worldwide for a better infrastructure for our society and planet earth.***

***FIG wants to keep, and even improve, its role as the premier NGO that represents the interests of surveyors worldwide”***

***Enable geospatial and surveying professionals with solutions to rapidly changing challenges.***

# Our main Objective ?

*“Responsible governance frameworks and integrated administrative systems of tenure (rights and interests) for land and marine, are underpinned by sustainable fit for purpose geospatial survey infrastructure and information management”*



**Do we need to modify ?**

*To modernise the geospatial and geodetic framework infrastructure and system*

# Our Outcomes – are they relevant?

- ~~• Land and marine professionals, namely geospatial scientists *Geospatial and surveying professionals* and surveyors, have the capability to address the regional social, economic, environmental and technological challenges associated with the United Nations (UN) Sustainable Development Goals (SDGs).~~
- Regional geospatial and survey capability and their activities have progressed through alliances and relationships with FIG, UN GGIM AP, *UN SCoG ETCB and* relevant like-minded bodies other agencies and / or development partners.
- Regional geospatial and survey community are self-reliant and have a culture and environment of learning, innovation; *comprising of a* blend of mature, young professionals, and a gender equity base.

# Our Outcomes – are they relevant?

- Regional geospatial and surveying challenges are resolved by a regional, unified, coordinated and collaborative approach.
- FIG profile in the Asia Pacific region has been enhanced.
- ~~Associated~~ **Relevant** work plan objectives of FIG Commissions, UN GGIM AP and **SCoG ETCB** ~~GGRF~~ working groups have been achieved.

***What else do we need to change ?***

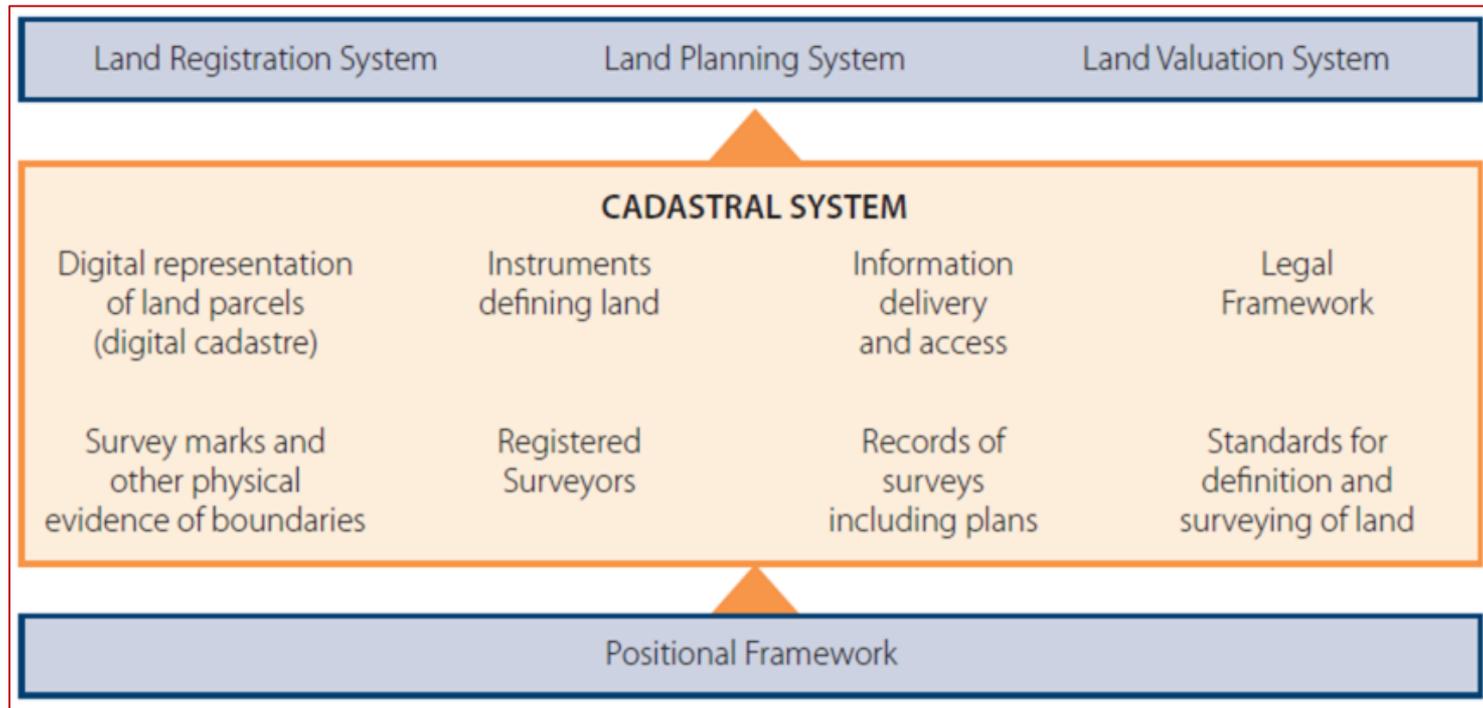
# *To better advocate / leverage the linkage to – Foundation Geospatial data sets ?*



# ***Land Administration, Management, and Governance?***

- Administration a ***system*** that provides ***infrastructure*** for
  - ***securing land / marine tenure*** (rights, restrictions, responsibilities),
  - ***determining valuation*** and taxation of land / water,
  - ***land / marine use planning*** and
  - ***development of built environment*** - utilities, construction
- Management ***processes for the use and development of land / marine resources***
- Governance framework of ***legislation, policies, processes and institutions by which land / marine, property and natural resources are managed***

# Modern Land Administration System?



Source - <https://www.icsm.gov.au/sites/default/files/Cadastre2034.pdf>

- **Defines and records** the location and extent of property rights, restrictions and responsibilities - 3 dimensions plus a temporal (time) component
- **Geometric representation** of land and real property boundaries (digital visualisation)
- Must be easily, uniquely and accurately **identified in a common reference system or geodetic datum or geospatial reference system**

# Our Partners ?



More academia, corporates / commercial?

What value does the FIG AP CDN bring to our partners?

How can the relationship be improved?

# Future of Collaboration ?



***Good Will and Volunteerism is NOT Sustainable !***

***What is the new “modus operandi?”***

***More formalised collaboration / co-operation? - Shared objectives and expectations ;  
Defined roles and responsibilities ; Measurable benefits and value ;  
Shared commitment***

# What we do – can we do it better?

- An ***independent advocacy*** role to the geospatial and surveying community
- Provision of ***technical, administrative and professional support and information***
- ***Organise, facilitate and actively participative*** in -
  - Discussion forums
  - Meetings
  - Seminars / Workshops
  - Technical Sessions
- Encourage ***co-operation and collaboration***
- ***Connecting*** and ***engaging*** professional networks

# What are our activities, priorities?

- Continue to support the Pacific Island Countries and Territories (PICTs) with their implementation?
- Continue to organise, facilitate and actively participate in - discussion forums, meetings , seminars / workshops , technical sessions ....  
*sustainable?*
- Support the development of a regional strategic plan for ASIA?
  - Is this possible?
  - What would its focus be?
  - Similar to the PICTs or a different approach because of its diversity?
  - ALTERNATIVELY assist with country / national based plans only?
- Create a *generic* capacity building plan for geospatial / geodetic? – what is our model? framework?
- Continue to advocate the linkage / leveraging of UN initiatives but with more operational and implementation focus?
- Knowledge portal and publications?

# Capacity Building Strategy?

- Why do you need to develop your capacity?
- What will be its purpose or drivers – social, economic, political?
- Whose capacities need to be developed? Which groups or individuals need to be empowered?
- What kinds of capacities need to be developed to achieve the broader development objectives? Technical & Non-technical?
- How do we engage? How do we resource activities?
- How can we engender more ownership of training and capacity building to decision maker?
- How do we leverage UN initiatives – such as the IGIF?
- What are the roles of government ? industry / commercial ? Academia?

# What next ?

- **Suva, Fiji – 24 to 28 June 2019**

## **United Nations / Fiji Technical Workshop on the Applications of Global Navigation Satellite Systems**

- Current and Planned GNSS and Satellite-Based Augmentation Systems
- GNSS-based applications
- GNSS spectrum protection and interference detection and mitigation
- Natural hazards: GNSS for disaster management
- GNSS Reference Frames/Systems and Reference Station Networks
- Capacity-building, training and education in the field of GNSS



UNITED NATIONS  
Office for Outer Space Affairs



International Committee on  
Global Navigation Satellite Systems



<http://www.unoosa.org/oosa/en/ourwork/psa/schedule/2019/2019-un-fiji-workshop-on-the-applications-of-gnss.html>

- Darwin, Australia – 15 to 18 August 2019 South East Asia Survey Congress (SEASC)

**SEASC** 2019  
DARWIN



## KEY DATES

15 AUGUST 2018  
REGISTRATION OPENS

15-18 AUGUST 2019  
SEASC 2019

30 APRIL 2019  
CALL FOR ABSTRACTS  
CLOSES

15 AUGUST 2019  
WORKSHOPS & WELCOME  
RECEPTION

20 MAY 2019  
EARLY BIRD REGISTRATION  
CLOSES

17 AUGUST 2019  
CONFERENCE DINNER

# REGISTER NOW!

15-18 AUGUST 2019



Organised by:



@ seasc2019@arinex.com.au

www.seasc2019darwin.com.au

ONE BEAUTIFUL  
DESTINATION



4 DAYS OF  
KNOWLEDGE  
SHARING



RECOGNISING THE  
GLOBAL VALUE OF  
SURVEYING



CHALLENGING  
GLOBAL SPEAKERS



- **Canberra, Australia – 4 to 5 November 2019**  
**UN GGIM AP Plenary Meeting** (in conjunction with Group on Earth Observations (GEO))

