

FIG

# FIG WORKING WEEK 2017

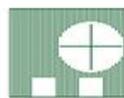
Helsinki Finland

29 May - 2 June 2017

## ***FIG Asia Pacific Capacity Development Network***

Surveying the world of tomorrow -  
From digitalisation to augmented reality

Organised by



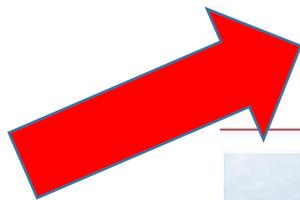
Platinum Sponsors:



# FIG Asia Pacific Capacity Development Network

*Collective FIG / UN GGIM AP “Capacity Development Network” outcome -*

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



**Modernisation !**



# FIG Asia Pacific Capacity Development Network

Outputs of AP CDN -

- Professional geospatial scientists and surveyors, ***have the capability to address the regional social, economic, environmental and technological challenges*** associated with the UN Sustainable Development Goals (SDGs).
- Regional capability and their activities have progressed through ***alliances and relationships with*** FIG, UN GGIM AP, relevant ***like-minded bodies other agencies and / or development partners.***

Sustainable Development Goals



# FIG Asia Pacific Capacity Development Network

Outputs of AP CDN -

- Regional geospatial and survey community are ***self-reliant*** and have a ***culture and environment of learning, innovation, a blend of mature and young professionals, and a gender equity base.***
- Regional geospatial and surveying challenges are ***resolved by a regional, unified, coordinated and collaborative*** approach.



# FIG Asia Pacific Capacity Development Network

***Network of individuals or representatives from –***

- Pacific Geospatial Surveying Council
- Pacific Community - Geoscience Division
- Australian Government agencies - Geoscience Australia, Bureau of Meteorology,
- New Zealand Government agencies - Land Information New Zealand (LINZ),
- Asean Flag
- Geospatial Information Authority of Japan



# FIG Asia Pacific Capacity Development Network

***Network of individuals or representatives from -***

- UN GGIM AP Working Groups, UN ICG
- International Association of Geodesy (IAG) Working Groups
- FIG Commissions, FIG Young Surveyors Network, and FIG Corporate entities
- Professional Surveying Organisations - Surveying and Spatial Sciences Institute (SSSI), New Zealand Institute of Surveyors (NZIS), Fiji Institute of Surveyors (FIS), Japan Federation of Surveyors (JFS)



# FIG Asia Pacific Capacity Development Network

## *Role of the FIG AP CDN of professionals -*

- An independent advocacy role to the Asia Pacific 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

# FIG Asia Pacific Capacity Development Network



FIG Working Week 2016



CHRISTCHURCH, NEW ZEALAND  
2-6 May 2016

Recovery  
from disaster



*Role of Surveyors – in disaster management. “Build back better” and developing resilience*

# Datum Unification and Kinematics Technical Seminar FIG WW - Christchurch May 2016



3D Reference Frames / Datums ; Vertical Reference Frames / Datums ; Kinematic Frames and Deformation Modelling ; Case Studies ; International Geodesy Initiatives ; Geodetic Infrastructure and GIS ; Geodetic Software

<http://www.fig.net/fig2016/commission5.htm>

# SIDS Workshop - Responding to Climate Change and Security of Tenure : The Role of Land Professionals FIG WW - Christchurch May 2016



Vulnerabilities for SIDS; Challenges faced by SIDS in the land sector; Climate change, vulnerability and the risk of natural disasters; Urbanisation; and Challenges for improved land governance.

***"FIG Christchurch Declaration on Responding to Climate Change and Tenure Insecurity in Small Island Developing States - The Role of Land Professionals"***

[https://www.fig.net/resources/proceedings/fig\\_proceedings/fig2016/ppt/sids/christchurch\\_declaration\\_sids.pdf](https://www.fig.net/resources/proceedings/fig_proceedings/fig2016/ppt/sids/christchurch_declaration_sids.pdf)

# Geospatial and GNSS CORS Infrastructure and Systems Forum UN GGIM AP, Kuala Lumpur Oct 2016



Status of Regional Geospatial and GNSS CORS Infrastructure and Systems ; Why Geospatial / Geodetic Infrastructure ; Link to SGDs; Reference Frames and GNSS CORS Theory ; Modernisation of Geospatial / Geodetic Infrastructure ; Role of Organisations and Sectors

***FIG AP CDN and UN-GGIM-AP WG1 – “The Geodetic Reference Frame Resolution”***

<http://www.un-ggim-ap.org/>

# Various Technical Forums, Seminars, Meetings – Pacific Island Countries and Territories 2013-2016



***Independent advocacy and advisory role to the Asia Pacific geospatial and surveying community, in particular the Pacific Geospatial and Surveying Council (PGSC)***

# Pacific Height Datum Workshop – Saturday 26 Nov 2016

An interactive workshop on height datums and practical height survey issues or problems.

- Why an accurate height datum is important - Dr John Dawson (UN GGIM AP WG1)
- Heighting Fundamentals and Ellipsoidal Height System – Mr. Nicholas Brown (GA)
- Bathymetry – Mr. Jens Kruger (PC Geoscience)
- The Geoid and Geoid Models - Mr. Matt Amos (LINZ)
- Summary, Actions and Discussion.



# FIG AP CDN and UN GGIM AP WG 1 - Activities 2017

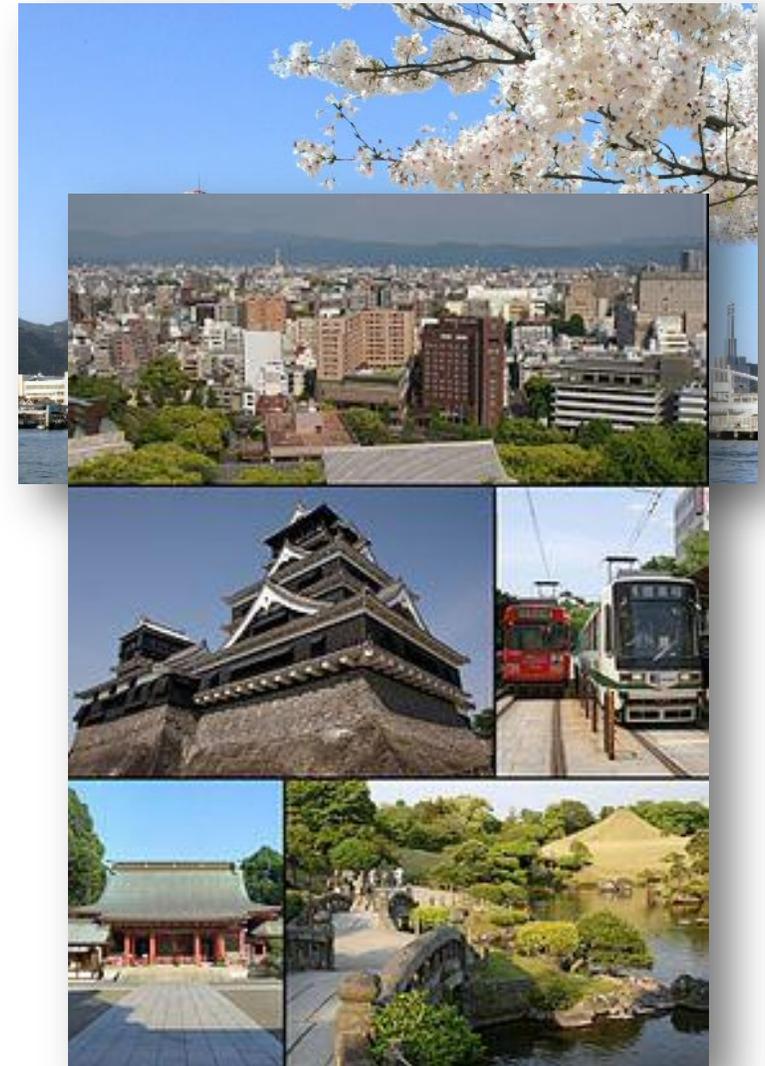


Participation in –

- General Assembly / Technical Sessions
- UN GGIM GGRF Meeting
- Asia Pacific Capacity Development Network Meeting
- UN Resolution on GGRF
- FIG Commission 5 Annual Meeting
- Regional Bodies Forum

# FIG AP CDN and UN GGIM AP WG 1 - Activities 2017

- Vertical Reference Frame in Practice - ***Kobe, Japan, 29-30 July 2017*** in conjunction with the IAG-IASPEI Joint Scientific Assembly
- Workshop - ***Kamamoto, Japan*** in conjunction with the UN-GGIM-AP Plenary Meeting, ***October 2017***
- Reference Frames - ***China, September 2017***
- Modernising Datum Workshop - Operational GNSS CORS - Pacific Islands - ***February 2019***



# FIG AP CDN and UN GGIM AP WG 1 - Activities 2017

Inviting you to participate *share and exchange* ideas -

***Wednesday*** at ***0745*** (breakfast meeting) ***Room 103A***

- Capacity Building challenges
- Expanding the network and opportunities
- Exploring more technical involvement from other Commissions on related challenges
- How can activities be done better