



**United Nations**



United Nations  
Global Geodetic  
Centre of Excellence

**United Nations Global Geodetic Centre of Excellence  
Asia-Pacific Geodesy Capacity Development Workshop  
Modernizing your Country Geospatial Reference System**

**30 June to 4 July 2025, Bangkok, Thailand**

Meeting Room H (MR-H), located on Level 1 of the United Nations Conference Centre (UNCC),  
United Nations Building (ESCAP) on Rajadamnern Nok Avenue, Bangkok 10200, Thailand.

**Detailed Agenda**

Monday, 30 June	
8:30 – 9:00 am	Arrival and entry to the building
9:00 – 10:00 am	<b>Welcome and overview</b> <ul style="list-style-type: none"> <li>Mr Nicholas Brown (Head of Office UN-GGCE)</li> </ul> <b>Welcome from Ambassador Peter Thomson (video)</b> <b>Workshop agenda</b> <ul style="list-style-type: none"> <li>Mr Nicholas Brown (Head of Office UN-GGCE)</li> </ul> <b>Introduction to logistics</b> <ul style="list-style-type: none"> <li>Ms Walaa Allahham (UN-GGCE)</li> </ul> <b>Group photo and ice-breaking exercise</b> <ul style="list-style-type: none"> <li>Mr Nicholas Brown (Head of Office UN-GGCE)</li> </ul>
10:00 – 10:30 am	Morning Break
10:30 – 11:00 am	<b>1.2.1   The Importance of a Geospatial Reference System</b> <i>Including an introduction to “The Roadmap: Guidance on how to build a country’s Geospatial Reference System”</i> <ul style="list-style-type: none"> <li>Mr Nicholas Brown (Head of Office UN-GGCE)</li> </ul>
11:00 – 11:30 am	<b>1.2.2   Update on actions of the UN-GGCE</b> <ul style="list-style-type: none"> <li>Mr Nicholas Brown (Head of Office UN-GGCE)</li> </ul>
11:30 am – 12:00 pm	<b>1.2.3   Introduction to Geodetic Reference System infrastructure</b> <ul style="list-style-type: none"> <li>Mr Nicholas Brown (Head of Office UN-GGCE)</li> </ul>
12:00 – 1:30 pm	Lunch
1:30– 2:00 pm	<b>1.3.1   An Introduction to aligning national geodetic datums with the International Terrestrial Reference Frame</b> <ul style="list-style-type: none"> <li>Mr Nicholas Brown (Head of Office UN-GGCE)</li> </ul>
2:00 – 2:30 pm	<b>1.3.2   Regional Geodetic Collaborations</b> <ul style="list-style-type: none"> <li>Mr Nicholas Brown (Head of Office UN-GGCE)</li> </ul>
2:30 – 3:00 pm	<b>1.3.3   History of the Asia Pacific Reference Frame and yearly campaigns</b> <ul style="list-style-type: none"> <li>Mr Basara Miyahara (Japan)</li> </ul>
3:00 – 3:30 pm	Afternoon Break
3:30 – 4:15 pm	<b>1.4.1   Options for Asia-Pacific countries to align their datums with APREF</b> <ul style="list-style-type: none"> <li>Mr Nicholas Brown (Head of Office UN-GGCE)</li> </ul>

4:15 – 5:00 pm	<b>1.4.2   National geodetic adjustments</b> <ul style="list-style-type: none"> <li>Mr Nicholas Brown (Head of Office UN-GGCE)</li> </ul>

Tuesday, 1 July	
8:30 – 9:00 am	Arrival and entry to the building
9:00 – 10:00 am	<b>Activity: Geodesy Factbook</b> <ul style="list-style-type: none"> <li>Mr Ryan Keenan (UN-GGCE Consultant)</li> </ul>
10:00 – 10:30 am	<b>Discussion on Geodesy Factbook</b> <ul style="list-style-type: none"> <li>Mr Ryan Keenan (UN-GGCE Consultant)</li> </ul>
10:30 – 11:00 am	Morning Break
11:00 – 11:30 am	<b>2.2.1   Introduction to data standardization, tools and registers</b> <ul style="list-style-type: none"> <li>Mr Nicholas Brown (Head of Office UN-GGCE)</li> </ul>
11:30 am – 12:00 pm	<b>Discussion on data standards</b> <ul style="list-style-type: none"> <li>Mr Nicholas Brown (Head of Office UN-GGCE)</li> </ul>
12:00 – 1:30 pm	Lunch
1:30 – 2:15pm	<b>2.3.1   Development of transformation parameters, plate motion models and deformation models</b> <ul style="list-style-type: none"> <li>Mr Nicholas Brown (Head of Office UN-GGCE)</li> </ul>
2:15 – 3:00 pm	<b>2.3.2   Worked example: Transformation Parameters</b> <ul style="list-style-type: none"> <li>Mr Nicholas Brown (Head of Office UN-GGCE)</li> </ul>
3:00 – 3:30 pm	Afternoon Break
3:30 – 4:15 pm	<b>2.4.1   Capacity development needs</b> <ul style="list-style-type: none"> <li>Mr Ryan Keenan (UN-GGCE Consultant)</li> </ul>
4:15 – 5:00 pm	<b>2.4.2   International geodesy initiatives</b> <ul style="list-style-type: none"> <li>Mr Ryan Keenan (UN-GGCE Consultant)</li> </ul>

Wednesday, 2 July	
8:30 – 9:00 am	Arrival and entry to the building
9:00 – 10:30 am	<b>3.1.1   Height Datums and Geoid Models</b> <ul style="list-style-type: none"> <li>Mr Jack McCubbine (Australia)</li> </ul>
10:30 – 11:00 am	Morning Break
11:00 – 12:00 pm	<b>3.2.1   Joining Land and Sea</b> <ul style="list-style-type: none"> <li>Mr Evert Mulder (UN-GGCE)</li> </ul>
12:00 – 1:30 pm	Lunch
1:30 – 2:30pm	<b>3.3.1   Realization of Chart Datum and Its Connection to the Mainland Height System</b> <ul style="list-style-type: none"> <li>Mr Cornelis Slobbe (TU Delft - online)</li> </ul>
2:30 – 3:00pm	<b>3.3.2   PNG Case Study</b> <ul style="list-style-type: none"> <li>Mr Richard Stanaway</li> </ul>

3:00 – 3:30 pm	Afternoon Break
3:30 – 4:00 pm	<b>3.4.1   USQ Pacific Project</b> <ul style="list-style-type: none"> <li>Ms Chris McAllister and Mr Aaron Hick</li> </ul>
4:00 – 5:00 pm	<b>Lightning Talks</b> Countries to submit offers to speak (Fiji, Kiribati, Indonesia, Philippines, Singapore, Cook Islands, China, PNG, Pohnpei-FSM, Timor-Leste, Brunei Darussalam, Japan)

Thursday, 3 July	
8:30 – 9:00 am	Arrival and entry to the building
9:00 – 9:30 am	<b>Lightning Talks (cont ...)</b> Countries to submit offers to speak (Sri Lanka, Mongolia, Samoa, Thailand, India, Nepal)
9:30 – 10:00 am	<b>4.2.1   Developing Business Cases for increased investment in geodesy</b> <ul style="list-style-type: none"> <li>Mr Ryan Keenan (UN-GGCE Consultant)</li> </ul>
10:00 – 10:30 am	<b>Group Activity: Drafting persuasive business cases</b> <ul style="list-style-type: none"> <li>Mr Ryan Keenan (UN-GGCE Consultant)</li> </ul>
10:30 – 11:00 am	Morning Break
11:00 – 11:30 am	<b>4.1.1   Communicating geodesy</b> <ul style="list-style-type: none"> <li>Mr Nicholas Brown (Head of Office UN-GGCE)</li> </ul>
11:30 am – 12:00 pm	<b>Group Activity: Communications</b> <ul style="list-style-type: none"> <li>Mr Nicholas Brown (Head of Office UN-GGCE)</li> </ul> <p>Working in pairs, prepare and record a 30 second video explaining why updates to the GRS are needed to explain to policy makers.</p>
12:00 – 1:30 pm	Lunch
1:30 – 2:00 pm	<b>Group Activity: Discussion on Communications activity</b> <ul style="list-style-type: none"> <li>Mr Nicholas Brown (Head of Office UN-GGCE)</li> </ul>
2:00 – 2:30 pm	<b>4.3.2   Pacific Geospatial and Surveying Council</b> <ul style="list-style-type: none"> <li>Mr Andrick Lal (SPC)</li> </ul>
2:30 – 3:00 pm	<b>4.3.3   Alumni of the workshop</b> <ul style="list-style-type: none"> <li>Ms Walaa Allahham (UN-GGCE)</li> </ul>
3:00 – 3:30 pm	Afternoon Break
3:30 – 4:30 pm	<b>Group Activity: Working on your Roadmap</b>
4:30 – 5:00 pm	<b>Group Activity: Working on your Roadmap</b>

Friday, 4 July	
8:30 – 9:00 am	Arrival and entry to the building
9:00 – 9:30 am	4.3.1   Geodesy governance <ul style="list-style-type: none"> <li>Mr Nicholas Brown (Head of Office UN-GGCE)</li> </ul>
9:30 – 10:30 am	Group Activity: Working on your Roadmap
10:30 – 11:00 am	Morning Break
11:00 am – 12:00 pm	Group Activity: Working on your Roadmap
12:00 – 1:30 pm	Lunch
1:30 – 2:30 pm	Discussion, Next Steps ideas and needs and Closing <ul style="list-style-type: none"> <li>Mr Nicholas Brown (Head of Office UN-GGCE)</li> </ul>