



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

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

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

Wednesday, 2 July	
8:30 – 9:00 am	Arrival and entry to the building
9:00 – 10:30 am	3.1.1 Height Datums and Geoid Models <ul style="list-style-type: none"> Mr Jack McCubbine (Australia)
10:30 – 11:00 am	Morning Break
11:00 – 12:00 pm	3.2.1 Joining Land and Sea <ul style="list-style-type: none"> Mr Evert Mulder (UN-GGCE)
12:00 – 1:30 pm	Lunch
1:30 – 2:30pm	3.3.1 Realization of Chart Datum and Its Connection to the Mainland Height System <ul style="list-style-type: none"> Mr Cornelis Slobbe (TU Delft - online)
2:30 – 3:00pm	3.3.2 PNG Case Study <ul style="list-style-type: none"> Mr Richard Stanaway
3:00 – 3:30 pm	Afternoon Break
3:30 – 4:00 pm	3.4.1 USQ Pacific Project <ul style="list-style-type: none"> Ms Chris McAllister and Mr Aaron Hick
4:00 – 5:00 pm	Lightning Talks Countries to submit offers to speak

Thursday, 3 July	
8:30 – 9:00 am	Arrival and entry to the building
9:00 – 10:00 am	4.1.1 Communicating geodesy <ul style="list-style-type: none"> Mr Nicholas Brown (Head of Office UN-GGCE)
10:00 – 10:30 am	Group Activity: Communications <ul style="list-style-type: none"> Mr Nicholas Brown (Head of Office UN-GGCE) <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>
10:30 – 11:00 am	Morning Break
11:00 – 11:30 am	4.2.1 Developing Business Cases for increased investment in geodesy <ul style="list-style-type: none"> Mr Ryan Keenan (UN-GGCE Consultant)
11:30 am – 12:00 pm	Group Activity: Drafting persuasive business cases <ul style="list-style-type: none"> Mr Ryan Keenan (UN-GGCE Consultant)
12:00 – 1:30 pm	Lunch
1:30 – 2:00 pm	4.3.1 Geodesy governance <ul style="list-style-type: none"> Mr Nicholas Brown (Head of Office UN-GGCE)
2:00 – 2:30 pm	4.3.2 Pacific Geospatial and Surveying Council <ul style="list-style-type: none"> Mr Andrick Lal (SPC)
2:30 – 3:00 pm	4.3.3 Alumni of the workshop <ul style="list-style-type: none"> Ms Walaa Allahham (UN-GGCE)
3:00 – 3:30 pm	Afternoon Break
3:30 – 4:30 pm	*Parking Lot*
4:30 – 5:00 pm	*Parking Lot*

Friday, 4 July	
8:30 – 9:00 am	Arrival and entry to the building
9:00 – 10:30 am	Group Activity: Working on your Roadmap <i>Participants will start working through The Roadmap.</i>
10:30 – 11:00 am	Morning Break
11:00 am – 12:00 pm	Discussion <ul style="list-style-type: none"> Mr Nicholas Brown (Head of Office UN-GGCE) <i>Following their work on their Roadmap, participants will discuss their plans once they return home and seek further guidance on components they need assistance with.</i>
12:00 – 1:30 pm	Lunch
1:30 – 2:30 pm	Closing <ul style="list-style-type: none"> Mr Nicholas Brown (Head of Office UN-GGCE)