



United Nations



United Nations
Global Geodetic
Centre of Excellence

Americas Geodesy Capacity Development Workshop Modernizing your Country Geospatial Reference System

3 to 7 November 2025 | Santiago, Chile

United Nations Global Geodetic Centre of Excellence
Statistics Division, Department of Economic and Social Affairs

Provisional Detailed Agenda

Monday, 3 Nov	Location: Enrique Iglesias Auditorium, Level 1, Main Building, ECLAC
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)Coronel Pedro Castillo Figueroa (Director of IGM Chile) 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 SIRGAS <ul style="list-style-type: none">Mr Gustavo Caubarrère (Uruguay)
11:00 – 11:30 am	1.2.2 The Importance of a Geospatial Reference System Including an introduction to “The Roadmap: Guidance on how to build a country’s Geospatial Reference System” <ul style="list-style-type: none">Mr Nicholas Brown (Head of Office UN-GGCE)
11:30 am – 12:00 pm	1.2.3 Update on actions of the UN-GGCE <ul style="list-style-type: none">Mr Nicholas Brown (Head of Office UN-GGCE)
12:00 – 2:00 pm	Lunch
2:00– 2:30 pm	1.3.1 Introduction to Geodetic Reference System infrastructure <ul style="list-style-type: none">Mr Nicholas Brown (Head of Office UN-GGCE)
2:30 – 3:00 pm	1.3.2 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)
3:00 – 3:30 pm	Afternoon Break
3:30 – 4:15 pm	1.4.1 Regional Geodetic Collaborations <ul style="list-style-type: none">Mr Nicholas Brown (Head of Office UN-GGCE)

4:15 – 5:00 pm	1.4.2 Options for countries to align their datums with ITRF (including worked example) <ul style="list-style-type: none"> Mr Nicholas Brown (Head of Office UN-GGCE)
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Tuesday, 4 Nov	Location: Enrique Iglesias Auditorium, Level 1, Main Building, ECLAC
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	2.2.1 National geodetic adjustments <ul style="list-style-type: none"> Mr Nicholas Brown (Head of Office UN-GGCE)
11:30 am – 12:00 pm	Discussion on national geodetic adjustments <ul style="list-style-type: none"> Mr Nicholas Brown (Head of Office UN-GGCE)
12:00 – 2:00 pm	Lunch
2:00 – 2:30 pm	2.3.1 Introduction to data standardization, tools and registers <ul style="list-style-type: none"> Mr Nicholas Brown (Head of Office UN-GGCE)
2:30 – 3:00 pm	Discussion on data standards <ul style="list-style-type: none"> Mr Nicholas Brown (Head of Office UN-GGCE)
3:00 – 3:30 pm	Afternoon Break
3:30 – 5:00 pm	Start working on your Roadmap <ul style="list-style-type: none"> Mr Nicholas Brown (Head of Office UN-GGCE)

Wednesday, 5 Nov	Location: Enrique Iglesias Auditorium, Level 1, Main Building, ECLAC
8:30 – 9:00 am	Arrival and entry to the building
9:00 – 9:45 am	3.1.1 Development of transformation parameters, plate motion models and deformation models <ul style="list-style-type: none"> Mr Nicholas Brown (Head of Office UN-GGCE)
9:45 – 10:30 am	3.1.2 Worked example: Transformation Parameters <ul style="list-style-type: none"> Mr Nicholas Brown (Head of Office UN-GGCE)
10:30 – 11:00 am	Morning Break
11:00 – 12:00 pm	3.2.1 National geoid models and height datums <ul style="list-style-type: none"> Mr Nicholas Brown (Head of Office UN-GGCE)
12:00 – 2:00 pm	Lunch
2:00 – 2:30 pm	3.3.1 Capacity development needs <ul style="list-style-type: none"> Mr Ryan Keenan (UN-GGCE Consultant)
2:30 – 3:00 pm	3.3.2 International geodesy initiatives <ul style="list-style-type: none"> Mr Ryan Keenan (UN-GGCE Consultant)
3:00 – 3:30 pm	Afternoon Break
3:30 – 4:00 pm	3.4.1 Pan American Institute of Geography and History / Instituto Panamericano de Geografia e Historia <ul style="list-style-type: none"> Mr Antonio Campuzano (Secretary General)
4:00 – 4:30 pm	3.4.2 Caribbean Geospatial Development Initiative <ul style="list-style-type: none"> To be confirmed
4:30 – 5:00 pm	3.4.3 Alumni of the workshop <ul style="list-style-type: none"> Ms Walaa Allahham (UN-GGCE)

Thursday, 6 Nov	Location: Enrique Iglesias Auditorium, Level 1, Main Building, ECLAC
8:30 – 9:00 am	Arrival and entry to the building
9:00 – 9:30 pm	4.1.1 Communicating geodesy <ul style="list-style-type: none"> Mr Nicholas Brown (<i>Head of Office UN-GGCE</i>)
9:30 – 10:30 am	Group Activity: Communications <ul style="list-style-type: none"> Mr Nicholas Brown (<i>Head of Office UN-GGCE</i>)
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 (<i>UN-GGCE Consultant</i>)
11:30 am – 12:00 pm	Group Activity: Drafting persuasive business cases <ul style="list-style-type: none"> Mr Ryan Keenan (<i>UN-GGCE Consultant</i>)
12:00 – 2:00 pm	Lunch
2:00 – 3:00 pm	Geodesy country reports
3:00 – 3:30 pm	Afternoon Break
3:30 – 5:00 pm	Geodesy country reports (cont ...)

Friday, 7 Nov	Location: Enrique Iglesias Auditorium, Level 1, Main Building, ECLAC
8:30 – 9:00 am	Arrival and entry to the building
9:00 – 9:45 am	5.1.1 Governance <ul style="list-style-type: none"> Mr Nicholas Brown (Head of Office UN-GGCE)
9:45 – 10:30 am	5.1.2 Joining Land and Sea <ul style="list-style-type: none"> Mr Nicholas Brown (Head of Office UN-GGCE)
10:30 – 11:00 am	Morning Break
11:00 – 12:00 am	Group Activity: Working on your Roadmap
12:00 – 1:30 pm	Lunch
1:30 – 2:30 pm	Group Activity: Working on your Roadmap <p><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></p>
2:30 pm	Closing <ul style="list-style-type: none"> Mr Nicholas Brown (Head of Office UN-GGCE)