

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	<p>Welcome and overview</p> <ul style="list-style-type: none"> • <i>Mr Nicholas Brown (Head of Office UN-GGCE)</i> • <i>Coronel Pedro Castillo Figueroa (Director of IGM Chile)</i> • <i>Mr Rolando Ocampo (Director, the Director of ECLAC Statistics Division)</i> • <i>Ms Sofia Nilo, President of UN-GGIM: Américas</i> <p>Welcome from Ambassador Peter Thomson (video)</p> <p>Workshop agenda</p> <ul style="list-style-type: none"> • <i>Mr Nicholas Brown (Head of Office UN-GGCE)</i> <p>Introduction to logistics</p> <ul style="list-style-type: none"> • <i>Ms Walaa Allahham (UN-GGCE)</i> <p>Group photo and ice-breaking exercise</p> <ul style="list-style-type: none"> • <i>Mr Nicholas Brown (Head of Office UN-GGCE)</i>
10:00 – 10:30 am	Morning Break
10:30 – 11:00 am	<p>1.2.1 SIRGAS</p> <ul style="list-style-type: none"> • <i>Mr Gustavo Caubarrère (Uruguay)</i>
11:00 – 11:30 am	<p>1.2.2 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></p> <ul style="list-style-type: none"> • <i>Mr Nicholas Brown (Head of Office UN-GGCE)</i>
11:30 am – 12:00 pm	<p>1.2.3 Update on actions of the UN-GGCE</p> <ul style="list-style-type: none"> • <i>Mr Nicholas Brown (Head of Office UN-GGCE)</i>
12:00 – 2:00 pm	Lunch
2:00– 2:30 pm	<p>1.3.1 Introduction to Geodetic Reference System infrastructure</p> <ul style="list-style-type: none"> • <i>Mr Nicholas Brown (Head of Office UN-GGCE)</i>
2:30 – 3:00 pm	<p>1.3.2 An Introduction to aligning national geodetic datums with the International Terrestrial Reference Frame</p> <ul style="list-style-type: none"> • <i>Mr Nicholas Brown (Head of Office UN-GGCE)</i>

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)

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"> • <i>Mr Nicholas Brown (Head of Office UN-GGCE)</i> 	
9:45 – 10:30 am	3.1.2 Worked example: Transformation Parameters	<ul style="list-style-type: none"> • <i>Mr Nicholas Brown (Head of Office UN-GGCE)</i> 	
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"> • <i>Mr Nicholas Brown (Head of Office UN-GGCE)</i> 	
12:00 – 2:00 pm	Lunch		
2:00 – 2:30 pm	3.3.1 Capacity development needs	<ul style="list-style-type: none"> • <i>Mr Ryan Keenan (UN-GGCE Consultant)</i> 	
2:30 – 3:00 pm	3.3.2 International geodesy initiatives	<ul style="list-style-type: none"> • <i>Mr Ryan Keenan (UN-GGCE Consultant)</i> 	
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 Geografía e Historia	<ul style="list-style-type: none"> • <i>Mr Antonio Campuzano (Secretary General)</i> 	
4:00 – 4:30 pm	3.4.2 Caribbean Geospatial Development Initiative	<ul style="list-style-type: none"> • <i>To be confirmed</i> 	
4:30 – 5:00 pm	3.4.3 Alumni of the workshop	<ul style="list-style-type: none"> • <i>Ms Walaah Allahham (UN-GGCE)</i> 	

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"> • <i>Mr Nicholas Brown (Head of Office UN-GGCE)</i> 		
9:30 – 10:30 am	Group Activity: Communications <ul style="list-style-type: none"> • <i>Mr Nicholas Brown (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"> • <i>Mr Ryan Keenan (UN-GGCE Consultant)</i> 		
11:30 am – 12:00 pm	Group Activity: Drafting persuasive business cases <ul style="list-style-type: none"> • <i>Mr Ryan Keenan (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"> • <i>Mr Nicholas Brown (Head of Office UN-GGCE)</i> 	
9:45 – 10:30 am	5.1.2 Joining Land and Sea	<ul style="list-style-type: none"> • <i>Mr Nicholas Brown (Head of Office UN-GGCE)</i> 	
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		
	<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>		
2:30 pm	Closing	<ul style="list-style-type: none"> • <i>Mr Nicholas Brown (Head of Office UN-GGCE)</i> 	