IGS INTERNATIONAL GNSS SERVICE

Tour de l'IGS

Connect with the IGS community in a series of mini-workshops

Jet Propulsion Laboratory
California Institute of Technology

Welcome to the Tour de l'IGS

Please consider:

❖Turning off your Camera and Microphones

❖Being Respectful to the Speakers

❖Using the "Raise your Hand" or Chat to Ask Questions

(We will be monitoring closely the posts on the chat, so feel free to post comments and questions as discussions develop)

Note: This meeting will be recorded and made available on our YouTube Channel

OUR SPEAKERS

MARKUS BRADKE

GFZ-POTSDAM, IGS INFRASTRUCTURE COMMITTEE CHAIR, GERMANY

IGNACIO ROMERO

ESA/ESOC, IGS RINEX Working Group Chair, Germany

PAT MICHAEL

NASA GSFC, IGS Data Center Coordinator, Maryland, USA

DAVID MAGGERT

UNAVCO, IGS NETWORK COORDINATOR, COLORADO, USA

ROBERT KHACHIKYAN

Raytheon Technologies Corporation, IGS Central Bureau System Engineer, California, USA

BENJAMIN JUAREZ

California Institute of Technology, Central Bureau Information Systems Intern, California, USA

ABRIDGED AGENDA

20:00 – 20:05:
Introduction and Instructions to participants | Mayra Oyola, Central Bureau
20:05 – 20:15:
CB Welcome and Unveiling of Strategic Plan| Allison Craddock, Central Bureau
20:15 – 20:25:
Community Welcome | Zuheir Altamimi (IAG) on behalf of the Governing Board
20:25 – 20:40:
IGS network, current and future work| Markus Bradke (GFZ-Potsdam, Chair, IGS Infrastructure Committee)
20:40– 20:45:
Questions for Markus, Transition to Next Speaker
20:45 – 21:00:
RINEX 4.0 | Ignacio “Nacho” Romero (ESA/ESOC, IGS RINEX Working Group Chair)
21:00 – 21:05:
Questions for Nacho, Transition to Next Speaker
21:05-21:20:
Highlights from CDDIS| Pat Michael (NASA GSFC, IGS Data Center Coordinator)
21:20 – 21:25:
Questions for Pat, Transition to Next Speaker
21:25 – 21:45:
How to become an IGS Station?/Updates to the Site-Log Manager | David Maggert (UNAVCO, IGS Network Coordinator) | Robert Khachikyan (Raytheon Technologies, IGS Central Bureau System Engineer) | Benjamin Juarez (NASA JPL California Institute of Technology, Intern)
21:45 – 21:50:
Questions for David, Robert and Ben
21:50 – 22:00:
Open discussion and final remarks

Tour de l'International GNSS Service (IGS)
Stop 2: Infrastructure

Allison Craddock
Director, IGS Central Bureau

IGS INTERNATIONAL GNSS SERVICE

Jet Propulsion Laboratory
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IGS Network

506

Stations

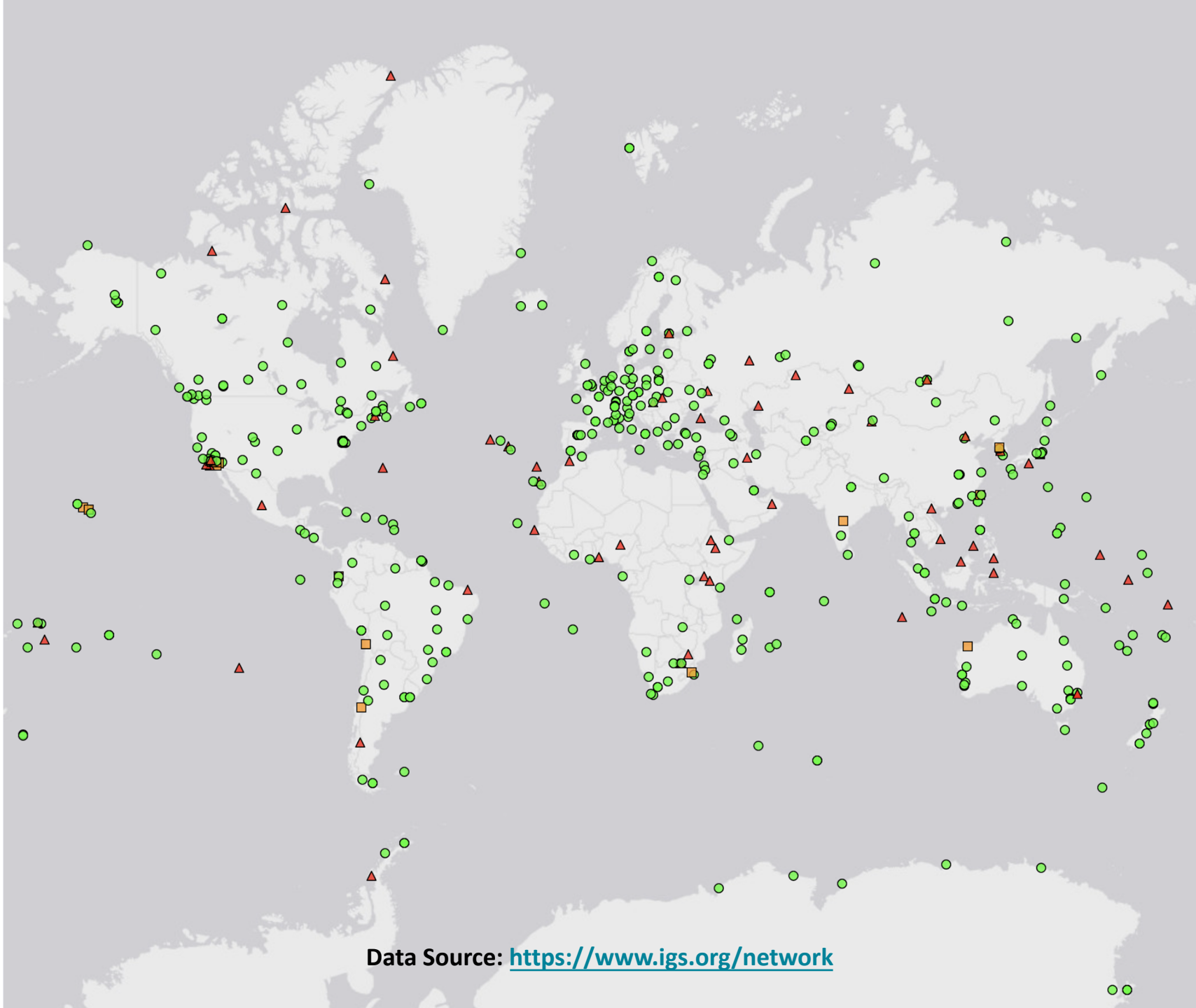
112

Countries

142

Organizations

To view all stations, visit
https://www.igs.org/network



Data Source: https://www.igs.org/network

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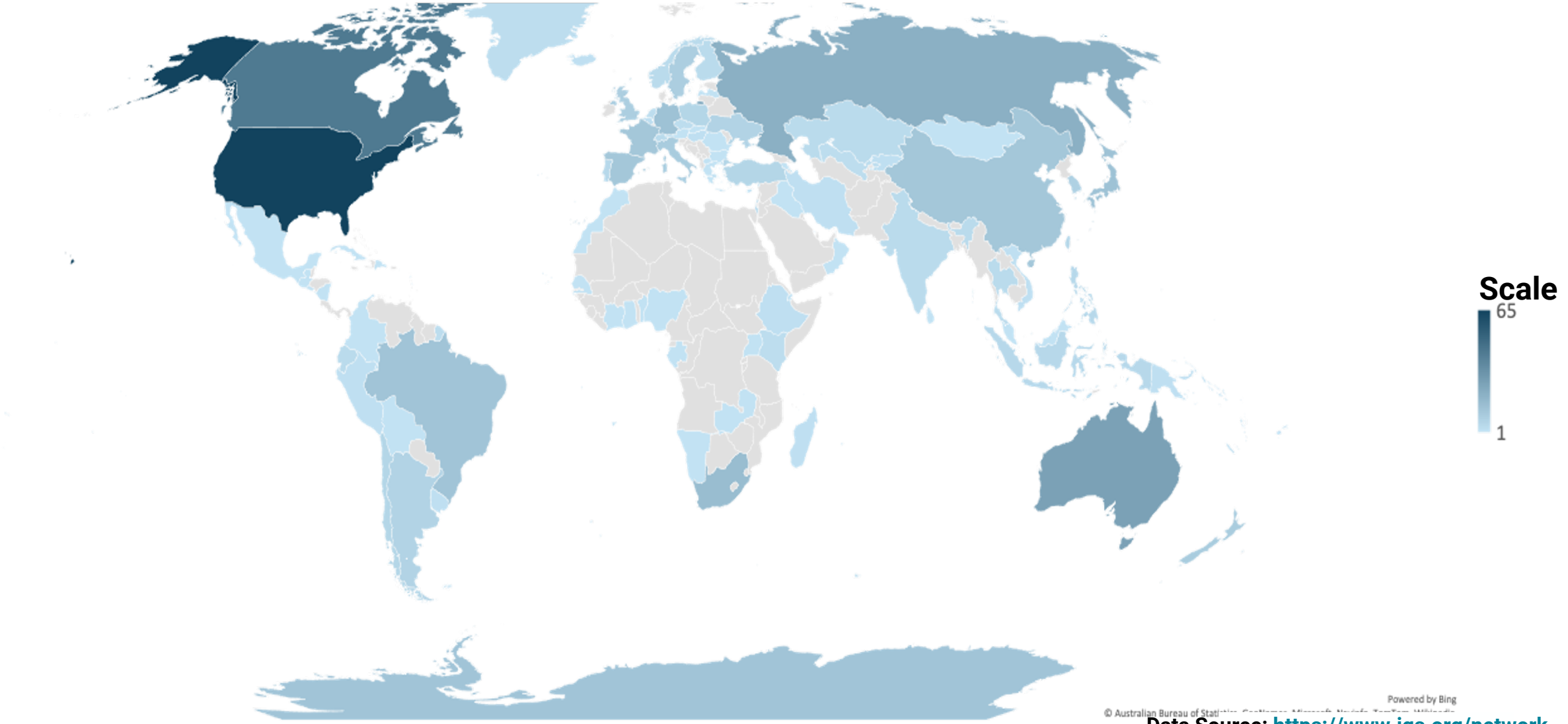
Heatmap of IGS GNSS Stations per country



Data Source: https://www.igs.org/network

Introducing the IGS 2021+ Strategic Plan

Allison Craddock

Mayra Oyola

Ashley Santiago

IGS Central Bureau – Jet Propulsion Laboratory – California Institute of Technology

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International GNSS Service

2021+ Strategic Plan

Working toward a strong, sustainable, and resilient multi-GNSS Future

IGS INTERNATIONAL GNSS SERVICE

IGS Goals

Serving the community with facilitation, coordination, incubation, and advocacy in three strategic goals

GOAL 1 Achieve Multi-GNSS Technical Excellence

GOAL 2 Strengthen Outreach and Engagement

GOAL 3 Build Sustainability and Resilience

GOAL 1

Achieve Multi-GNSS Technical Excellence

Increase organizational capability by identifying barriers to multi-GNSS success throughout the IGS, supporting solutions to key challenges, and reinforcing the importance of continuous technical evolution.

Facilitation	Coordination	Incubation	Advocacy
Identify impediments to multi-GNSS in each working group and infrastructural component, and facilitate solutions to these blockages	Coordinating (and tracking progress) the various multi-GNSS contributions (achievements) across all Working Groups and Infrastructural components	Identify and incubate aspects of IGS component work that are in need of special attention to make a strong step toward multi-GNSS	Advocate the benefit and critical need of Multi-GNSS through case studies, leadership, and demonstration

GOAL 2

Strengthen Outreach and Engagement

Advocate for open access geodetic and GNSS data and products that facilitate collaborations, standardization, and inclusivity.

Facilitation	Coordination	Incubation	Advocacy
Facilitating collaborations with stakeholder organizations and groups to diversify and increase participation of IGS users and contributors	Coordinating outreach to relevant agencies & institutions, to attract and promote IGS scientific and user applications	Incubating the next generation of IGS community members through Inclusion campaigns targeted at organizations and early-career scientists	Advocating for standardization and interoperability essential to organizational sustainability and user community engagement

GOAL 3

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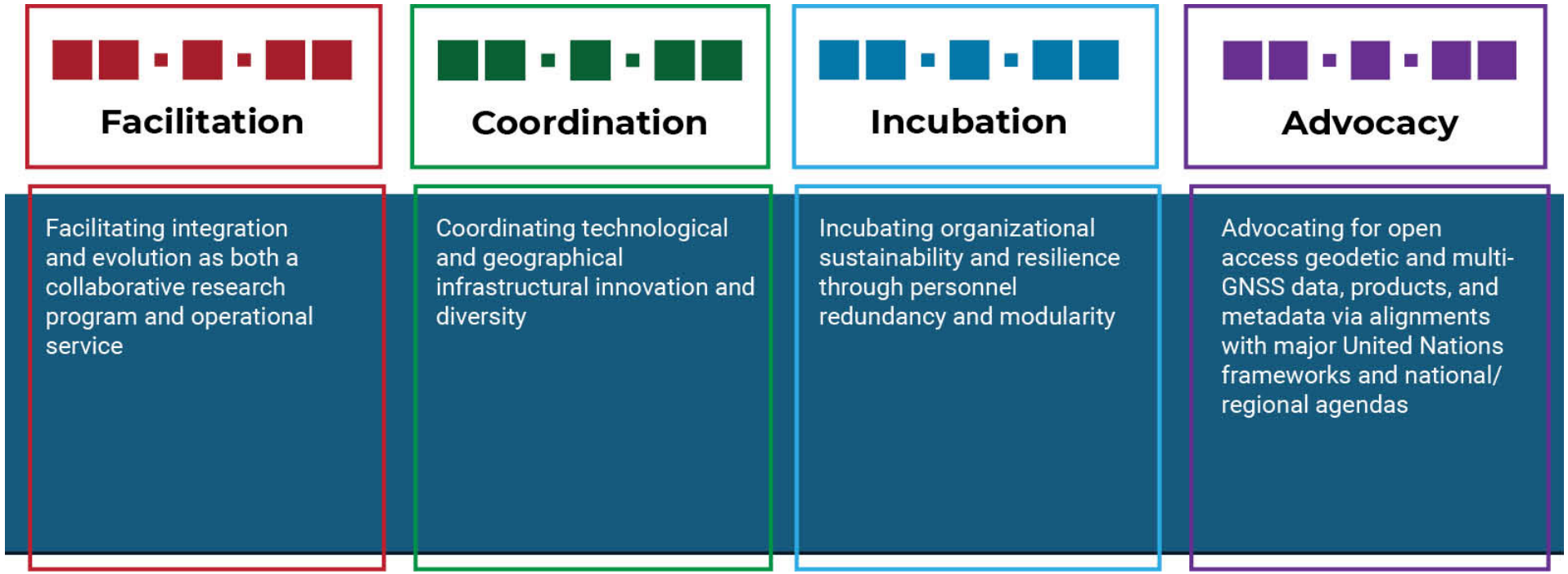
Build Sustainability and Resilience

Foster a resilient, sustainable, and effective organization to support an expanding and evolving IGS community.



IGS 2021+ Strategic Plan Matrix

		Facilitation	Coordination	Incubation	Advocacy
GOAL 1	Multi-GNSS Technical Excellence	Identify impediments to multi-GNSS in each working group and infrastructural component, and facilitate solutions to these blockages	Coordinating (and tracking progress) the various multi-GNSS contributions (achievements) across all Working Groups and Infrastructural components	Identify and incubate aspects of IGS component work that are in need of special attention to make a strong step toward multi-GNSS	Advocate the benefit and critical need of Multi-GNSS through case studies, leadership, and demonstration
GOAL 2	Outreach and Engagement	Facilitating collaborations with stakeholder organizations and groups to diversify and increase participation of IGS users and contributors	Coordinating outreach to relevant agencies & institutions, to attract and promote IGS scientific and user applications	Incubating the next generation of IGS community members through Inclusion campaigns targeted at organizations and early-career scientists	Advocating for standardization and interoperability essential to organizational sustainability and user community engagement
GOAL 3	Sustainability and Resilience	Facilitating integration and evolution as both a collaborative research program and operational service	Coordinating technological and geographical infrastructural innovation and diversity	Incubating organizational sustainability and resilience through personnel redundancy and modularity	Advocating for open access geodetic and multi-GNSS data, products, and metadata via alignments with major United Nations frameworks and national/ regional agendas

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