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GGRF: Implementation of a roadmap



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Positioning geospatial information to



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IAG Commission 1 Reference Frames

Sub-commission 1.3 Regional Reference Frames

Sub-commission 1.3c
North America (NAREF)

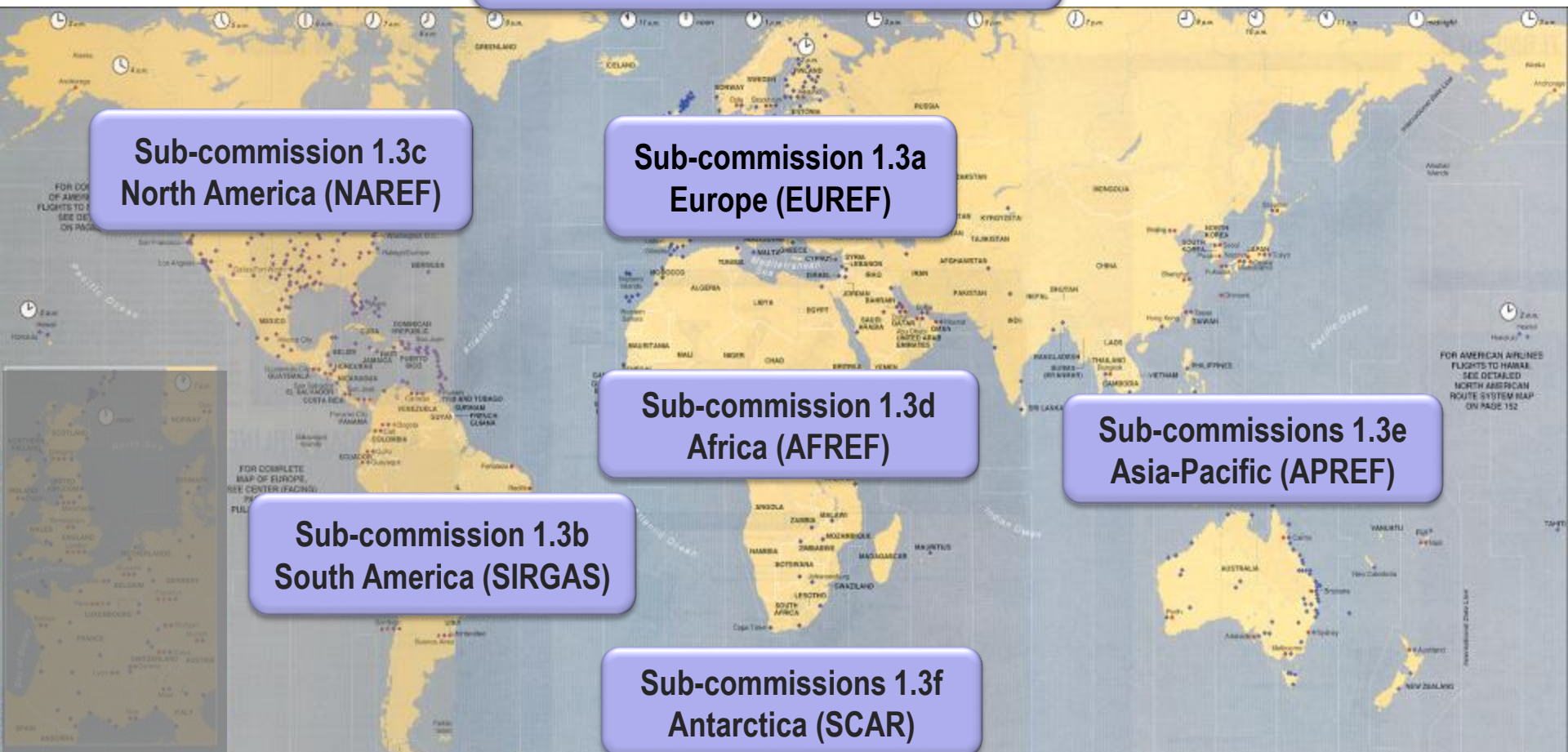
Sub-commission 1.3a
Europe (EUREF)

Sub-commission 1.3d
Africa (AFREF)

Sub-commissions 1.3e
Asia-Pacific (APREF)

Sub-commission 1.3b
South America (SIRGAS)

Sub-commissions 1.3f
Antarctica (SCAR)



Positioning geospatial information to address global challenges

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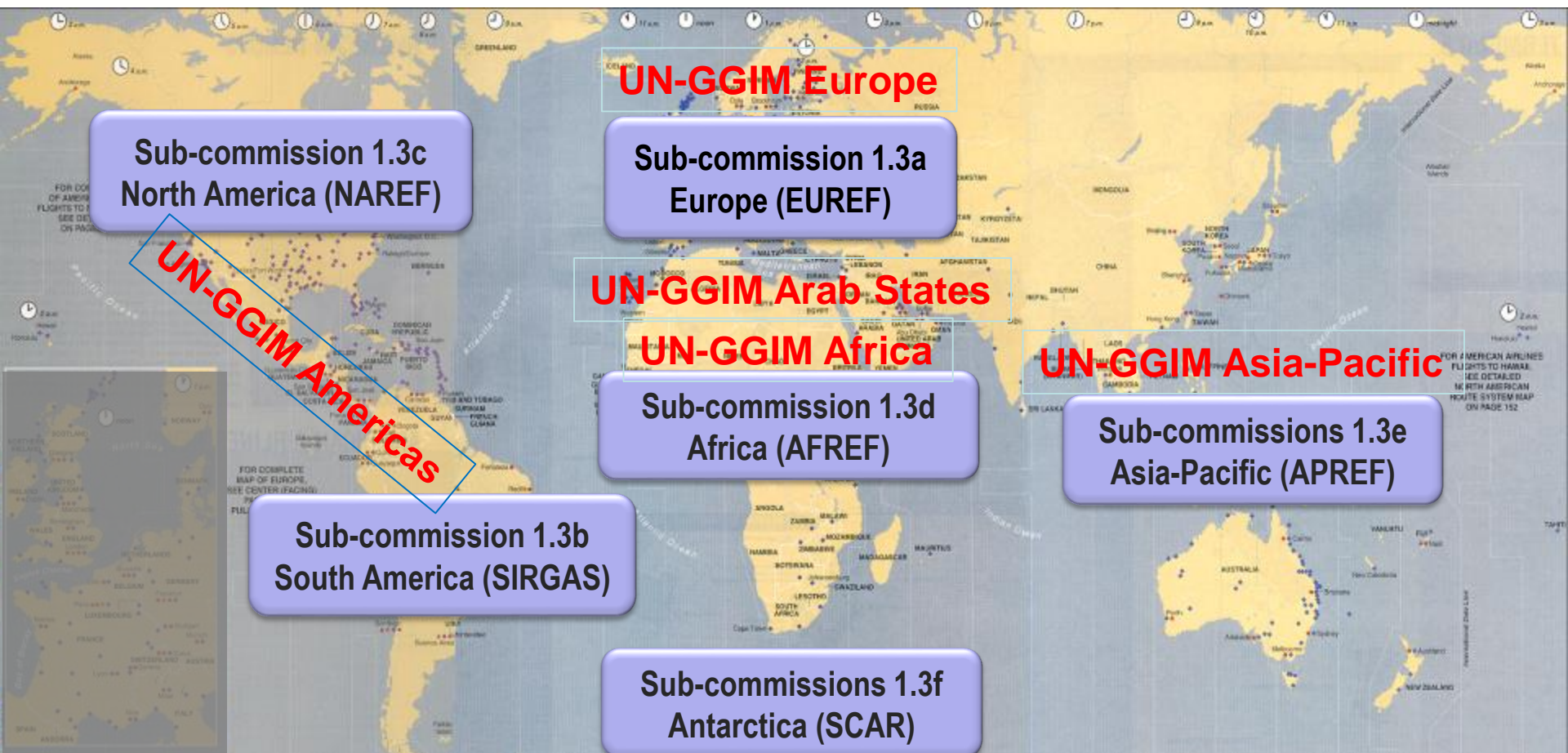
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**IAG Sub-commission 1.3
Regional Reference Frames**

&

UN-GGIM regional entities

Interactions ??



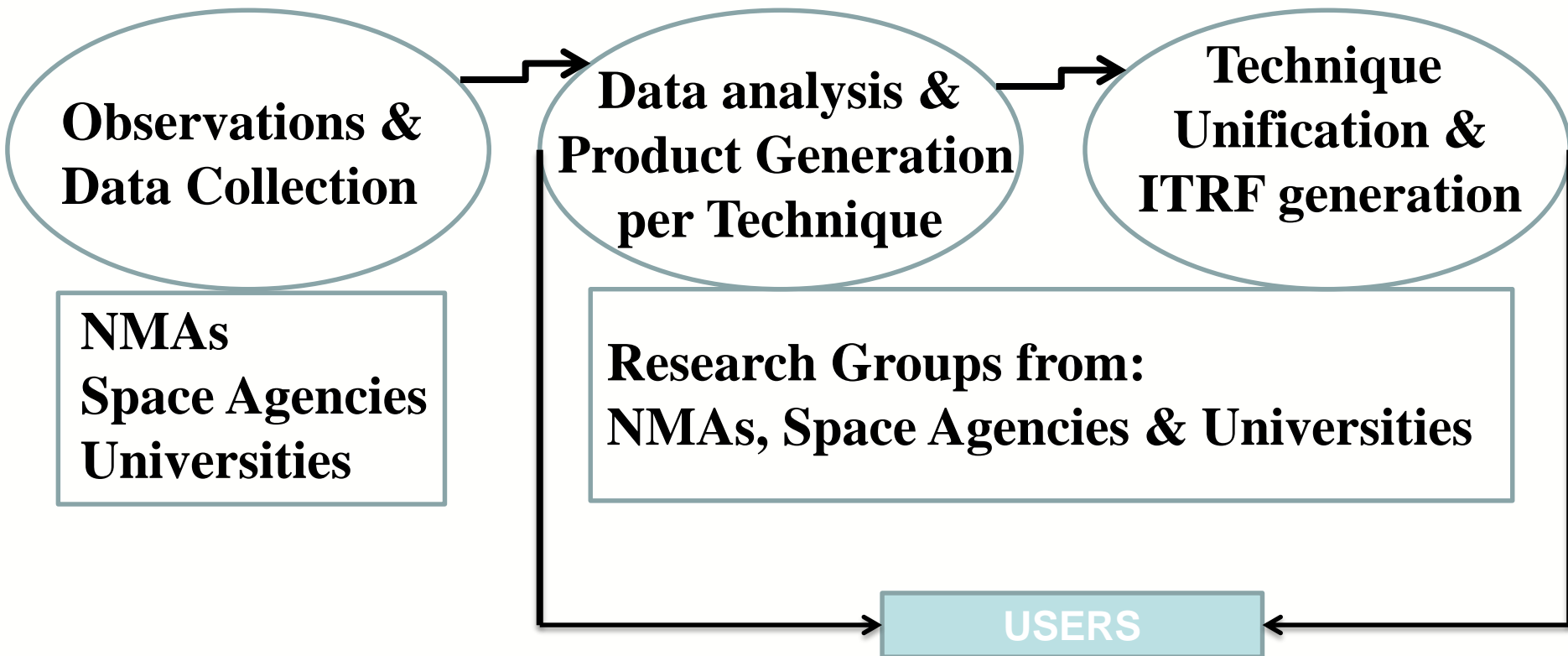
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GGRF current implementation



Schematic illustration of the chains leading to the ITRF generation



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UN GA Resolution: Operational Paragraphs

1. **The WG establishment**
2. **Enhanced Global Technical Capability for the development and enhancement of the GGRF**
3. **Enhanced Cooperation in the Provision of Geodetic Data and Services**
4. **Improved National Geodetic Infrastructure as a means to enhance the GGRF**
5. **Multilateral Cooperation that Addresses Infrastructure Gaps and Duplication towards a more sustainable GGRF**
6. **Enhanced Societal Visibility and Understanding of the GGRF**



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Proposed structure of the roadmap

- 1. Governance**
- 2. Infrastructure**
- 3. Policy, Standards and Conventions**
- 4. Education, Training and Capacity Building**
- 5. Communication and Outreach**



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Implementation of a roadmap: Global aspects from the International Association of Geodesy (IAG)

Key IAG points for consideration in the roadmap:

- Help Improving the Core/Global Geodetic Infrastructure & GGRF sustainability:
 - Aging primary/global geodetic instruments
 - Inhomogeneous distribution
- Ensure consolidated interaction between IAG components and UN-GGIM regional entities;
- Provide technical assistance to countries in need to:
 - Build modern geodetic infrastructure
 - Access the Global GGRF
- Advocate the importance of data sharing principle for the benefit of all



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Thank You



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