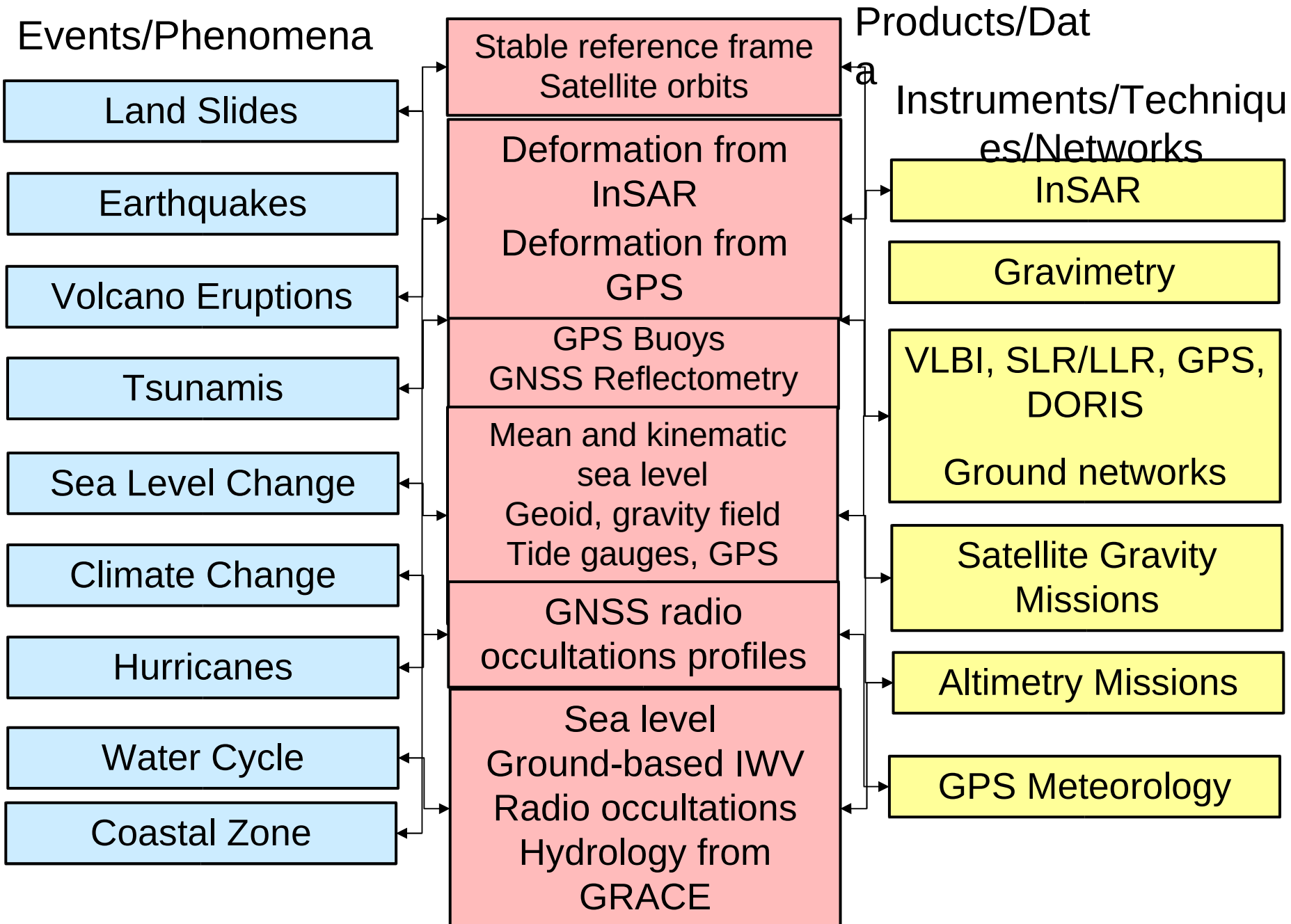
Importance of a GGOS Portal

- The IAG Services already produce very important and valuable products to be promoted by GGOS
- Promotion of these products for Earth sciences and applications through an internet portal
- GGOS Portal:
  - One access point (entry door) for all geodetic products relevant in the frame work of GGOS (not to the products themselves, that are available at the individual services data centers)
  - Start with the burning questions of society and lead the way from there to the products, their characteristics, location, availability, latency, accuracy

Importance of a GGOS Portal

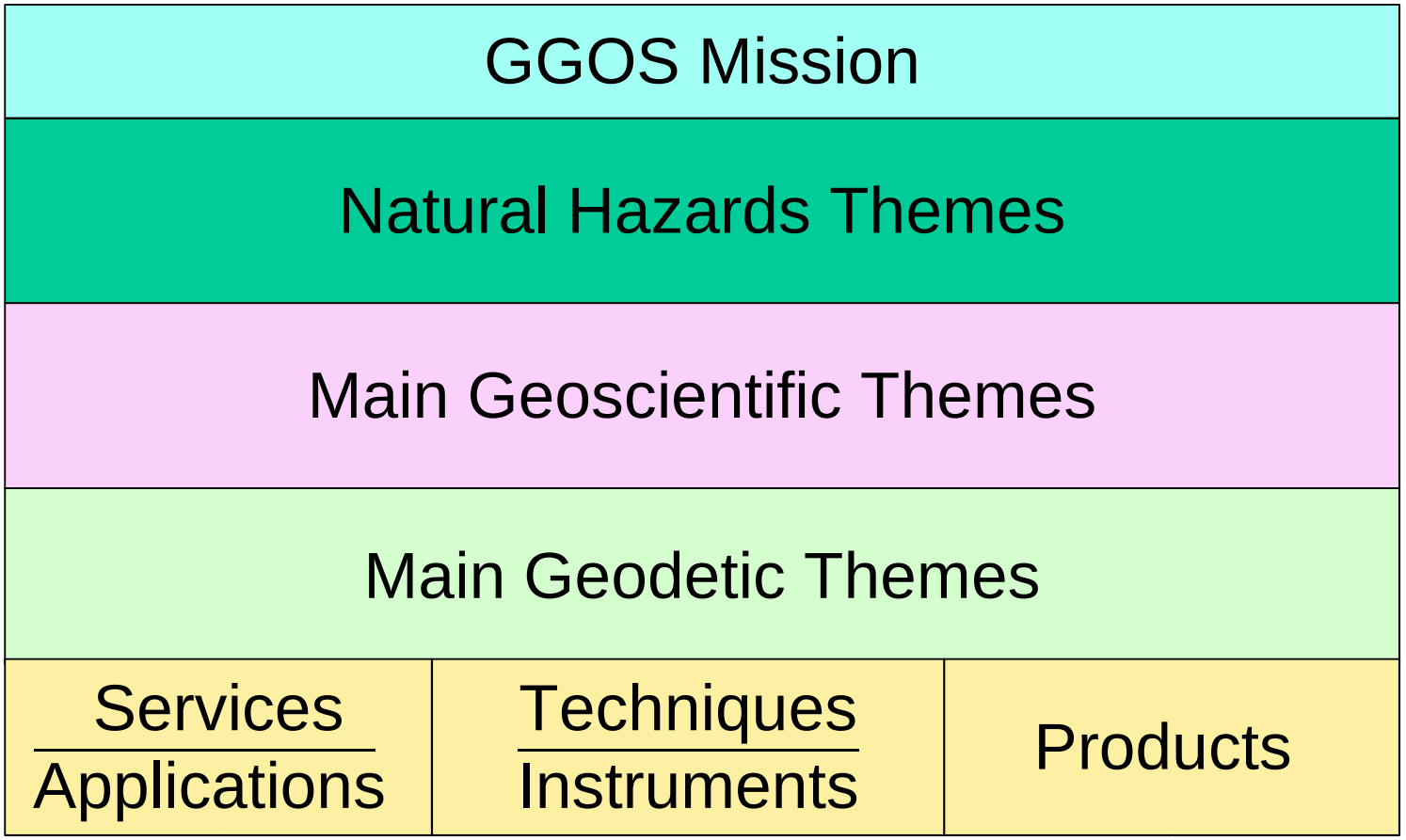


Ad-hoc Discussion Group

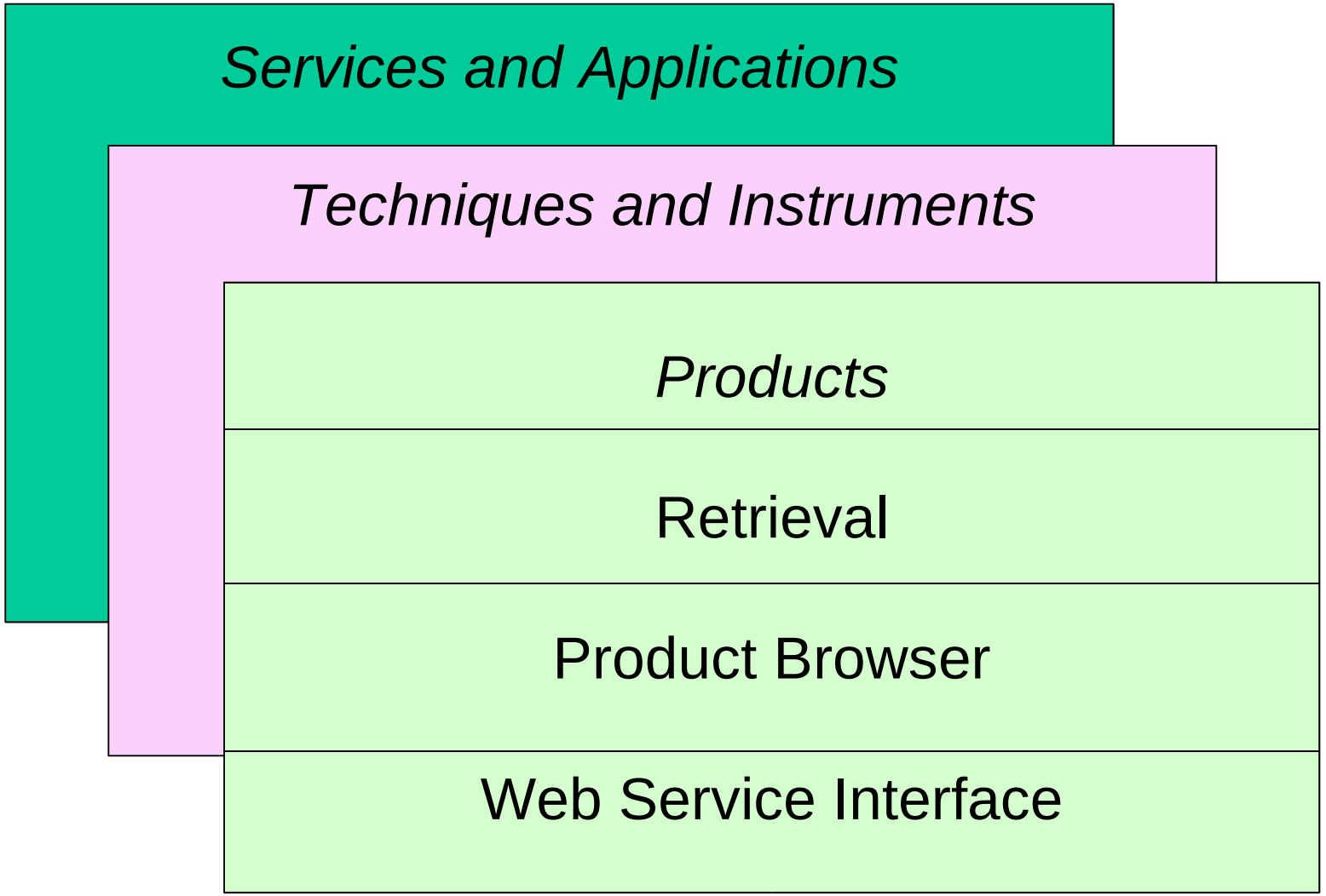
- Members:
  D. Dransch, B. Ritschel, A. Helm,
  M. Rothacher, B. Richter
- 2 meetings at GFZ
- Draft technical concept

GGOS-Portal

http://www.ggos.org => structure of home page, multiple entries to serve all interests



GGOS-Portal: following levels (extract)



Global Geodetic Observing System - Mozilla Firefox

File Edit View Go Bookmarks Tools Help

http://www.ggos.org/

Global Geodetic Observing System

Natural Hazards


Earth Quakes

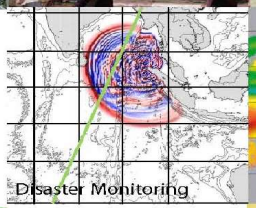

Storm

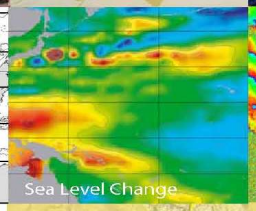

Floodings

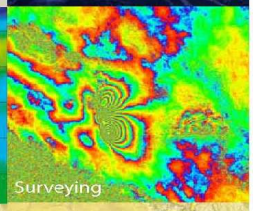

Errosion


Vulcano Eruptions

Science Applications


Disaster Monitoring

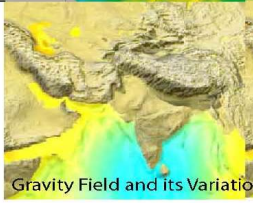

Sea Level Change

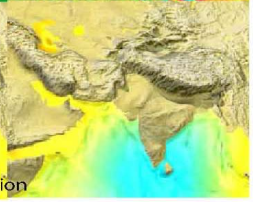

Surveying


Land Slides

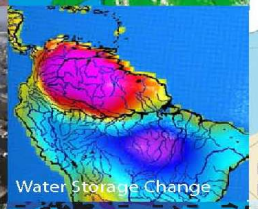

Deformation

Geodetic Applications


Gravity Field and its Variation



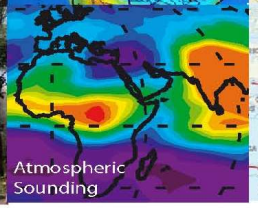

Hurricanes

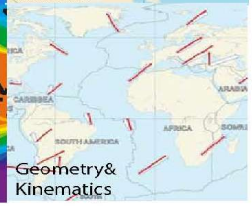

Water Storage Change


Earth Orientation & Rotation

Services Techniques Instruments Products


Tsunamies


Atmospheric Sounding


Geometry& Kinematics

IDS
IGS
ILRS
IVS
IERS
IGFS

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Pre-Requirements for Portal

- List of Products
- List of Instruments
- List of Services, Institutions, ...
- List of projects

Collecting of Information

- choice of meta data catalogue
  - Directory Interchange Format (DIF) developed by NASA (Global Change Master Directory), focused on science, used also in Marine Environmental Data Inventory (MEDI) or at GFZ
  - ISO 19XXX standards
- Interoperability
- WEB service capability

Product Information

- Entry_Title: TOPEX/POSEIDON altimeter MGDR generation B (NASA/PO.DAAC); Product #068
- Group: Data_Set_Citation
- Group: Personnel
- Discipline: EARTH SCIENCE
  Category: EARTH SCIENCE
  Topic: ATMOSPHERE
  Term: ATMOSPHERIC WATER VAPOR
  Variable: PRECIPITABLE WATER
- Category: EARTH SCIENCE
  Topic: OCEANS
  Term: COASTAL PROCESSES
  Variable: SEA SURFACE HEIGHT