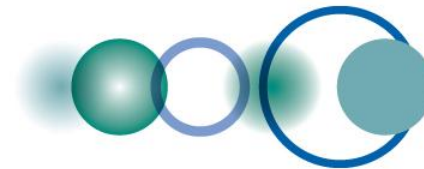


GEO Portal and Applications

**Americas & the Caribbean
GEO Session
Santiago, Chile**

**Barbara J. Ryan
GEO Secretariat
04 April 2017**





104 Member Governments

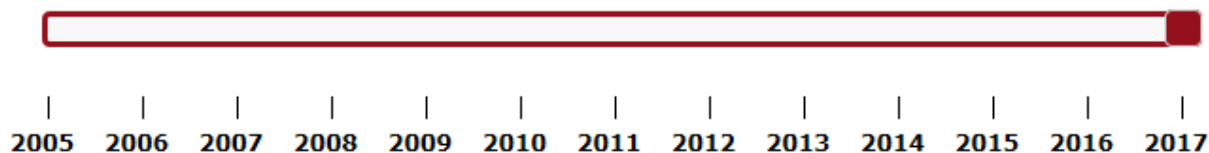
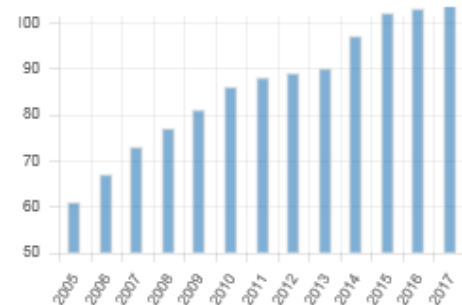
GEO Member Map for the year 2017

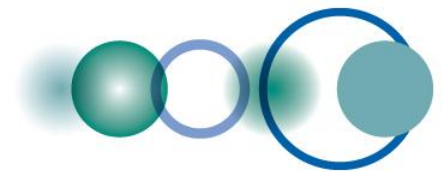


Number of Members (2017)

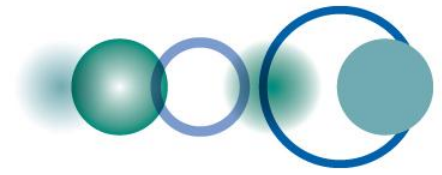
Africa:	27
Americas:	16
Asia/Oceania:	20
C.I.S.:	7
Europe:	34
Total:	104

Number of Members by year

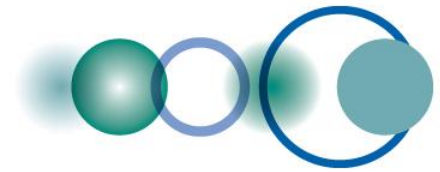




106 Participating Organizations

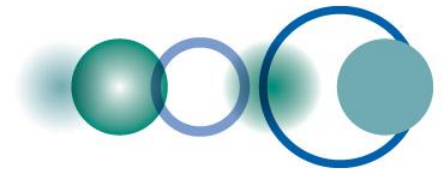


Integrating Earth Observations across Many Platforms and Domains to Benefit Society



Priority Areas

- 1. Agriculture, associated with climate variability, climate change, and food security;**
- 2. Disaster risk reduction, particularly for data exchange associated with early warnings, and for generation of regional products of early warnings;**
- 3. Water, associated with the management approach of water resources and data management; and**
- 4. Biodiversity and ecosystem monitoring, in the context of capacity building for better monitoring, management, and maintenance of ecosystems and biodiversity they support; and to predict future changes.**



Climate cuts across all Societal Benefit Areas (SBAs)



International Data Providers*

Environment



Biodiversity



Disasters



Energy



Food & Security



Satellites



Water



Health



Urban



Regional and National Providers*

Chile



China



France



Germany



Italy



Japan



New Zealand



Norway



United Kingdom



India



Africa



Brazil



Canada



South Africa



Spain



USA



Private Sector Providers



GEO Website



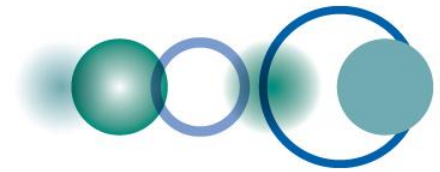
GEOS Portal



GEO DAB

Discovery and Access Broker (DAB)

* more than a hundred in total

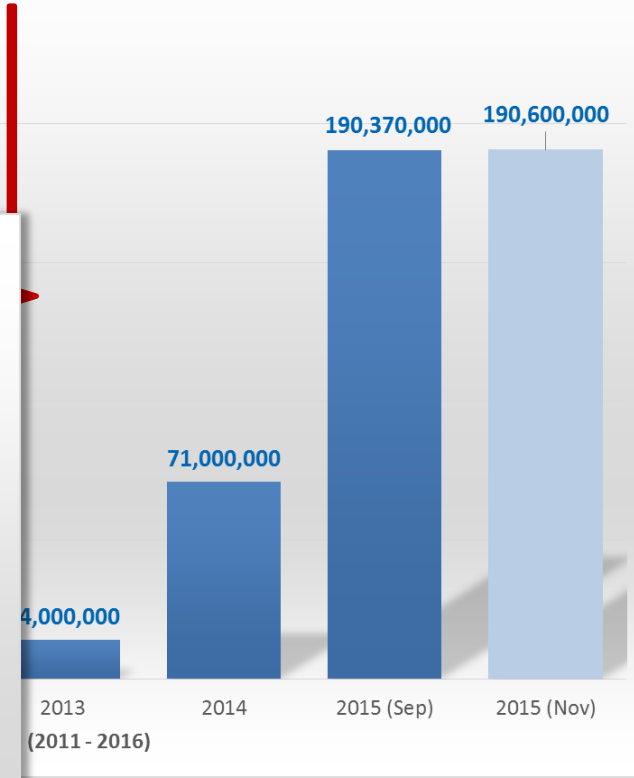
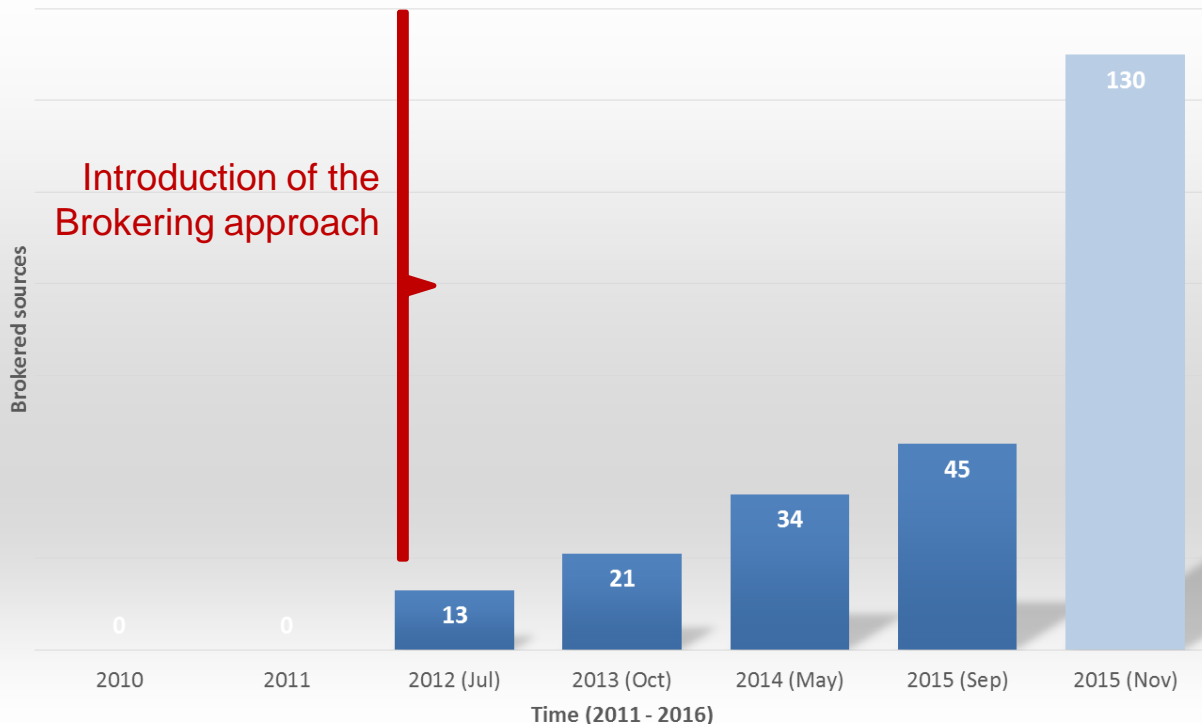


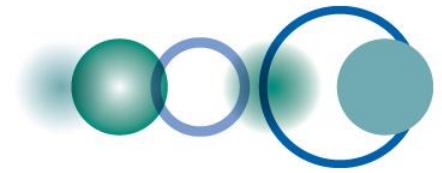
GCI Providers Evolution and Statistics

Discoverable and potentially Accessible Elements

Introduction of the

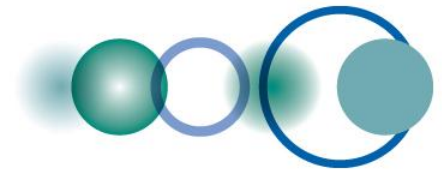
Number of Brokered Enterprise Systems



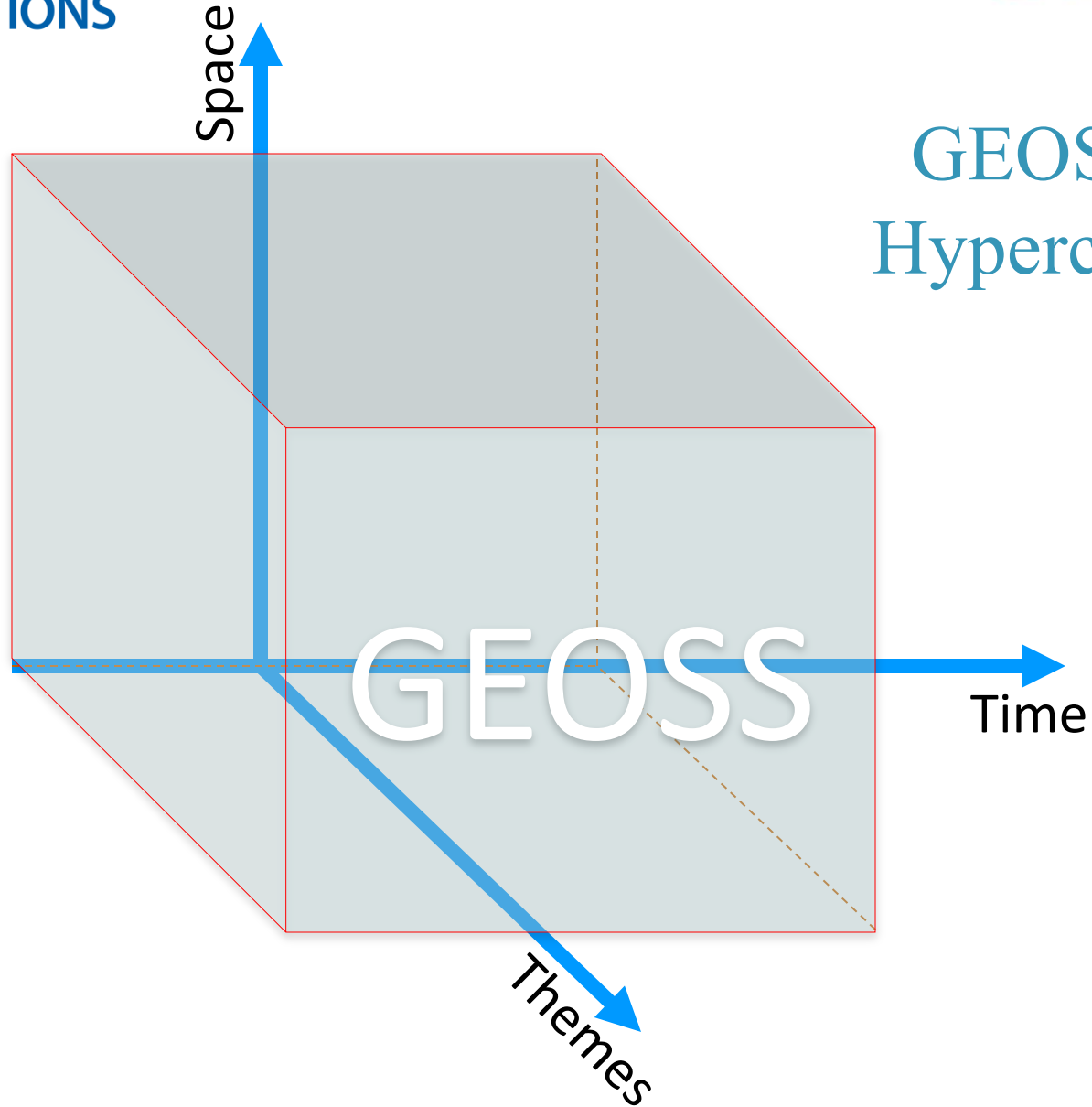


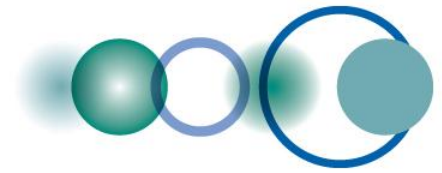
Brokering Organizations





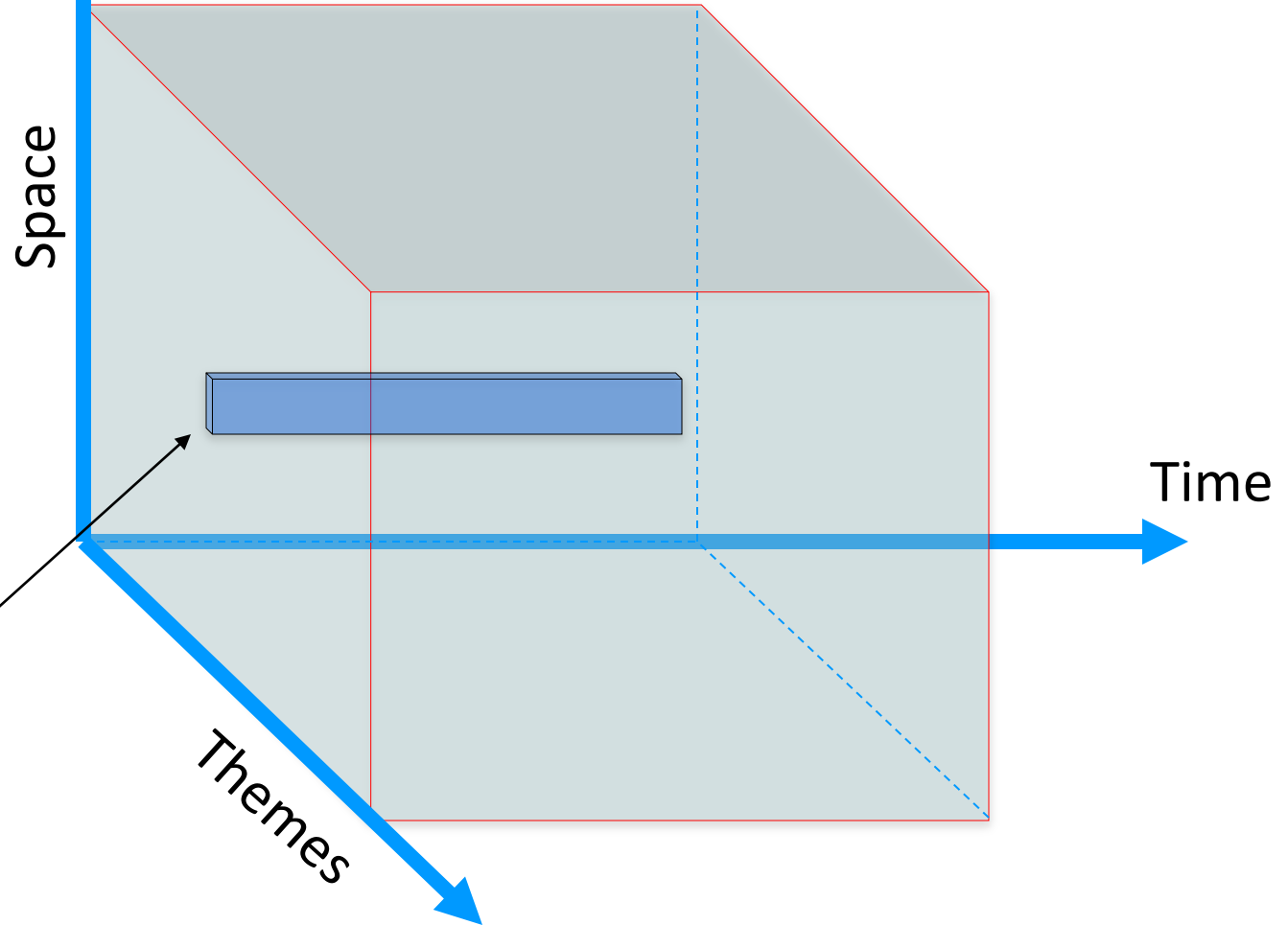
GEOSS Hypercube



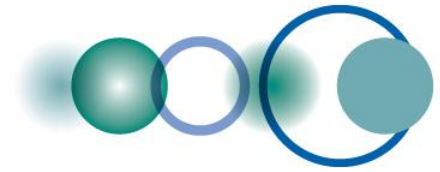


Uncertainty over continuity of observations

Large spatial and temporal gaps in specific data sets

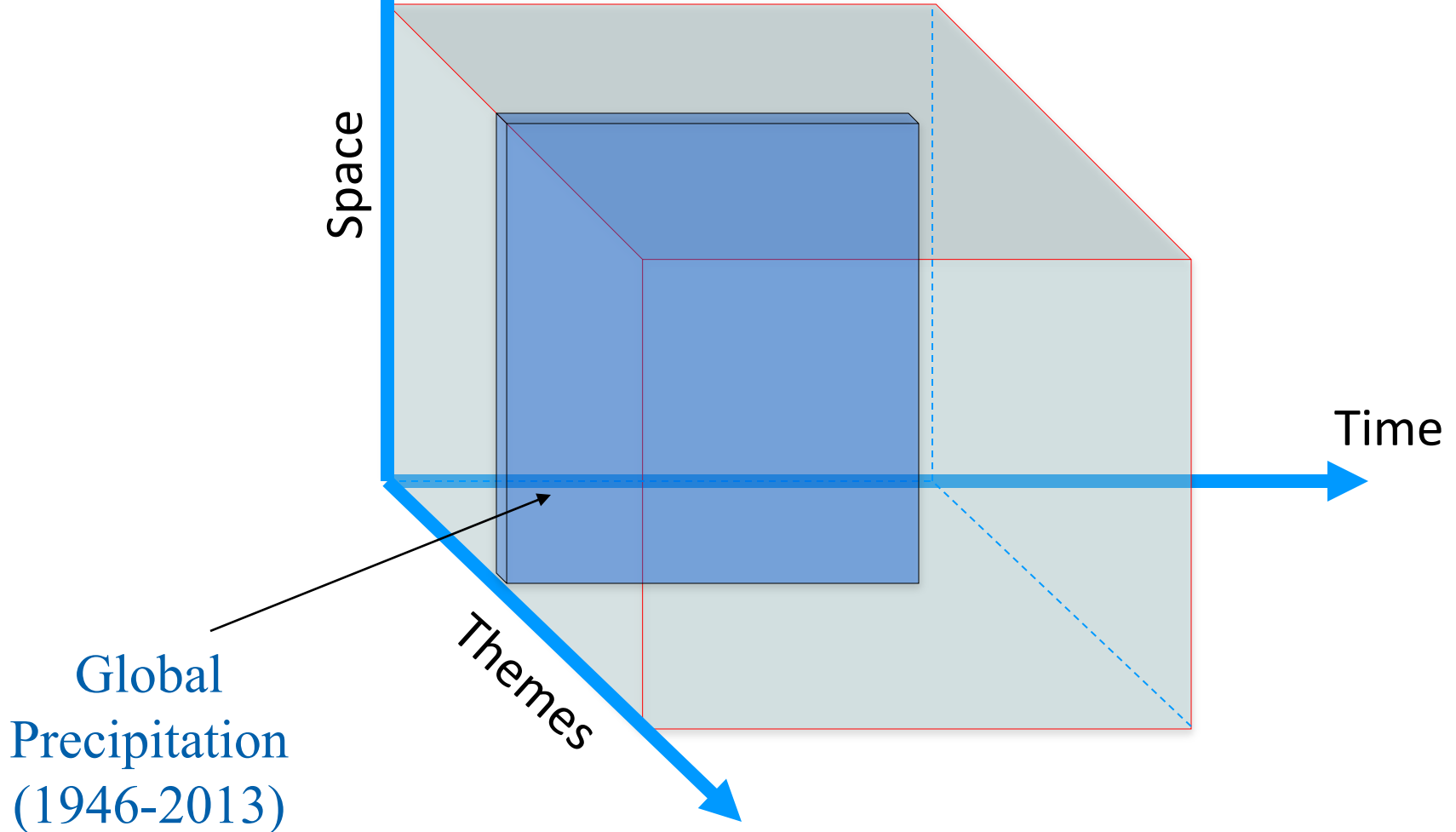


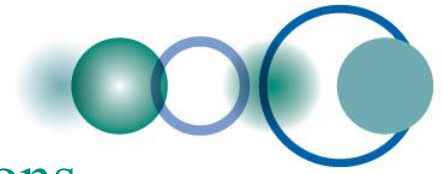
Precipitation in
France (1946-
2013)



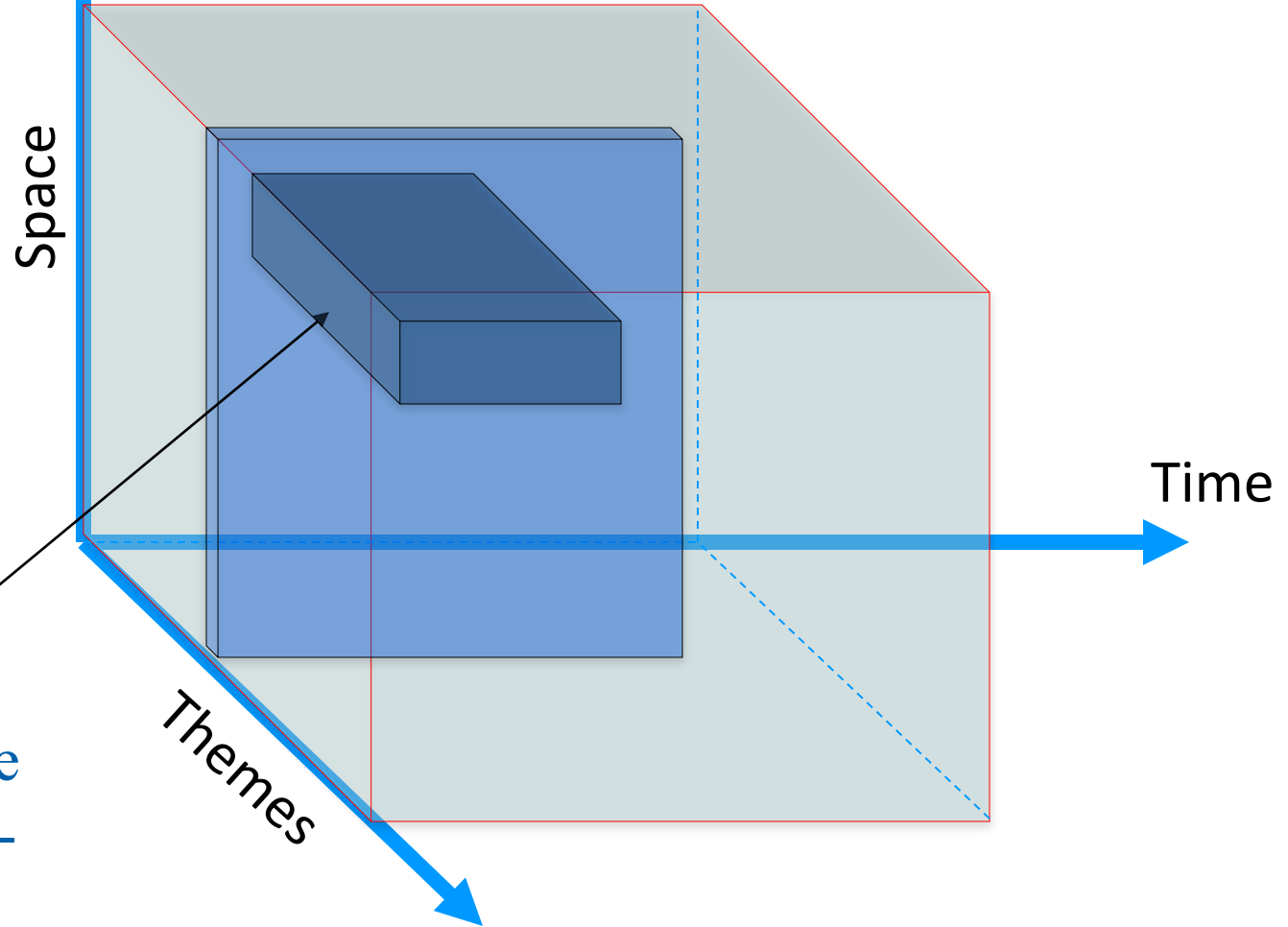
Uncertainty over continuity of observations

Large spatial and temporal gaps in specific data sets

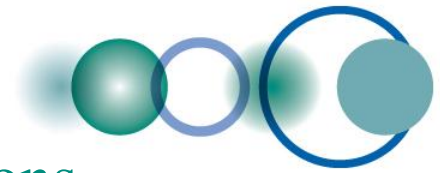




Uncertainty over continuity of observations
Large spatial and temporal gaps in specific data sets

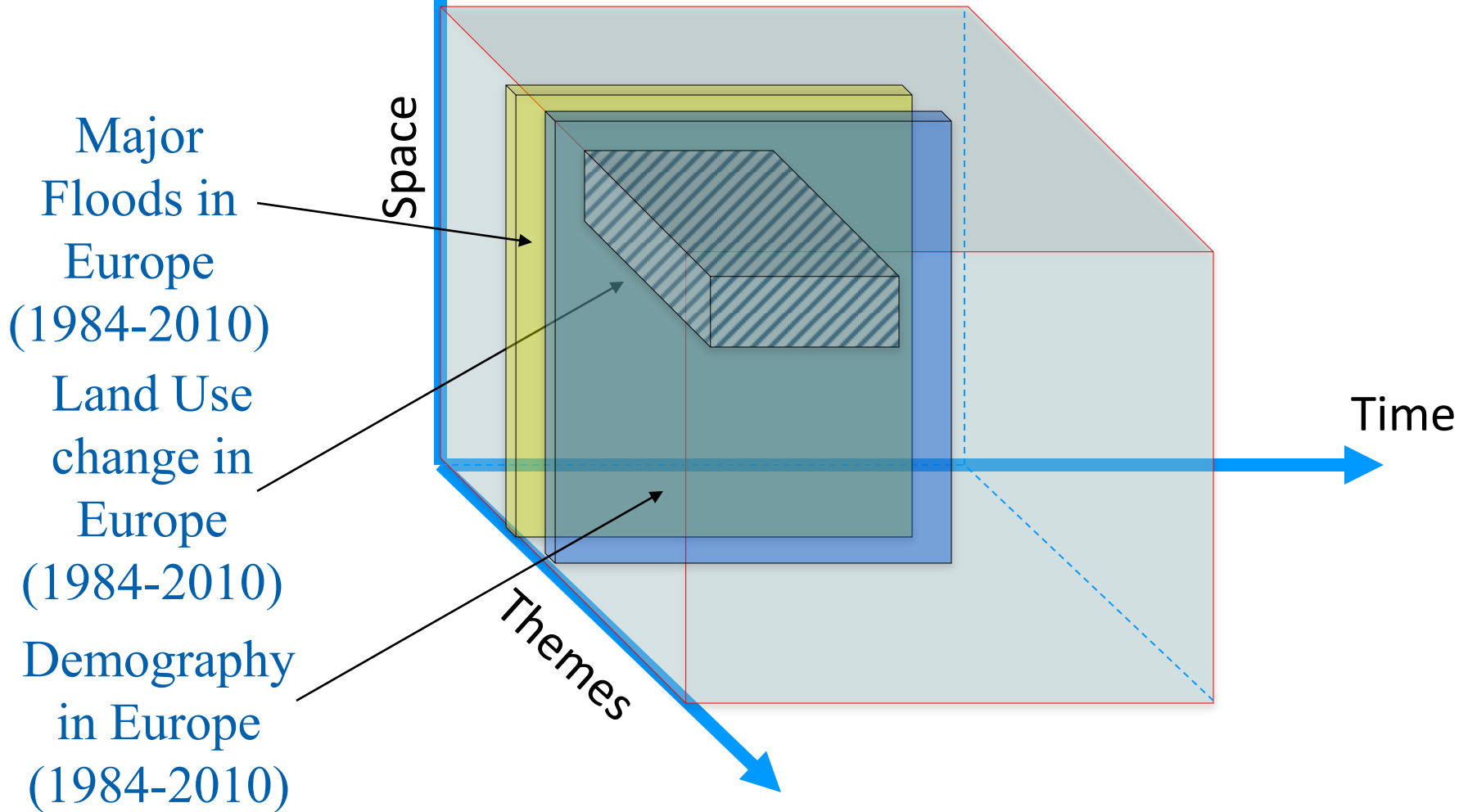


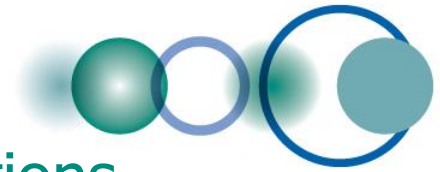
Land Use change
in Europe (1984-
2010)



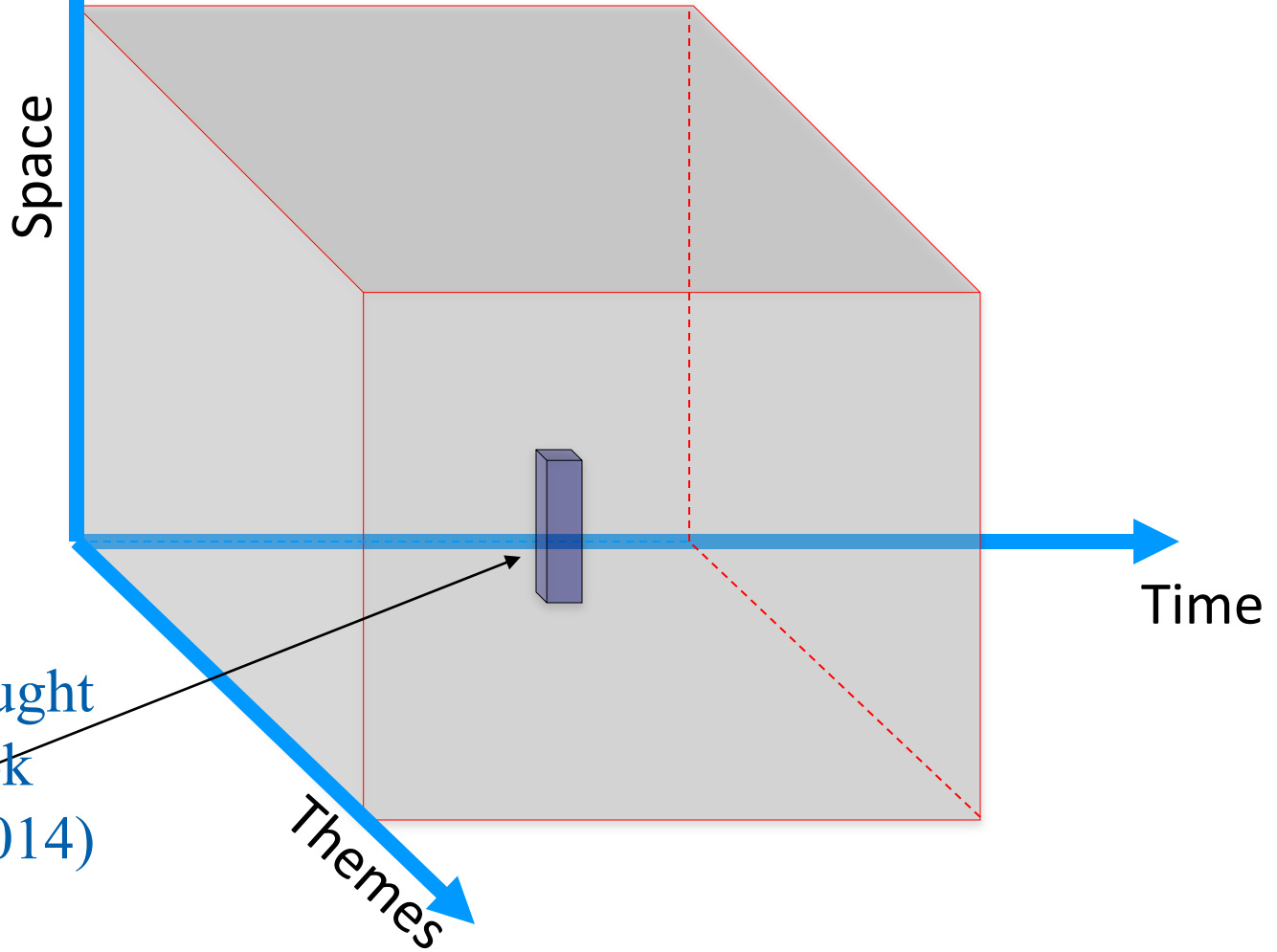
Uncertainty over continuity of observations

Large spatial and temporal gaps in specific data sets





Uncertainty over continuity of observations
Large spatial and temporal gaps in specific data sets



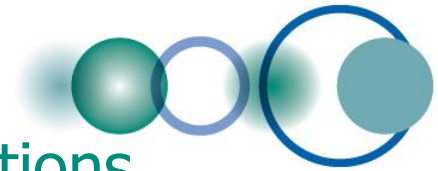
West Africa drought
90-day outlook
(April – June 2014)



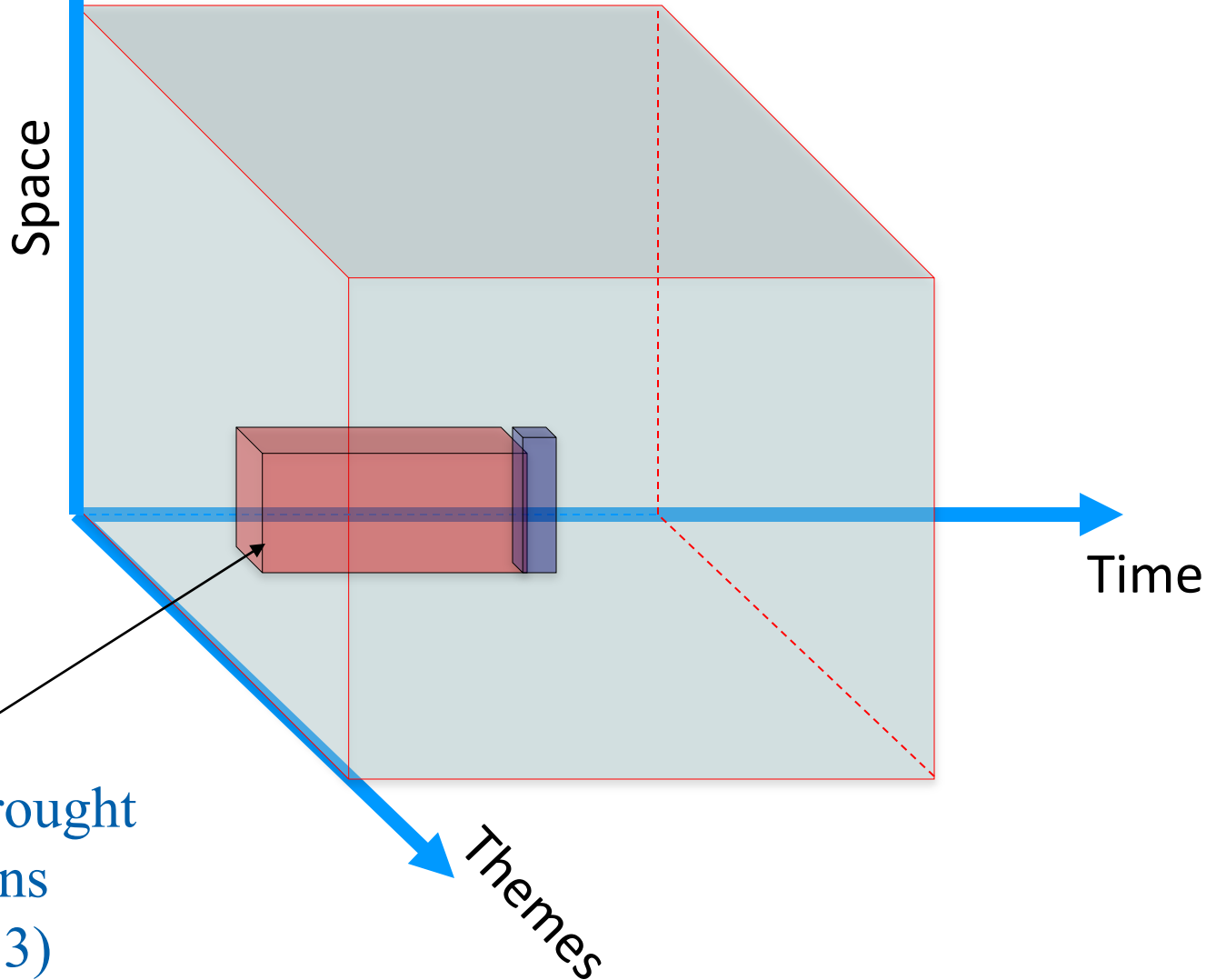
GROUP ON

EARTH OBSERVATIONS

GEOSS Targeted Gaps



Uncertainty over continuity of observations
Large spatial and temporal gaps in specific data sets



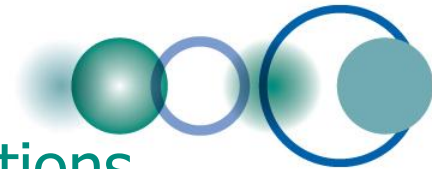
West Africa drought observations (1995-2013)



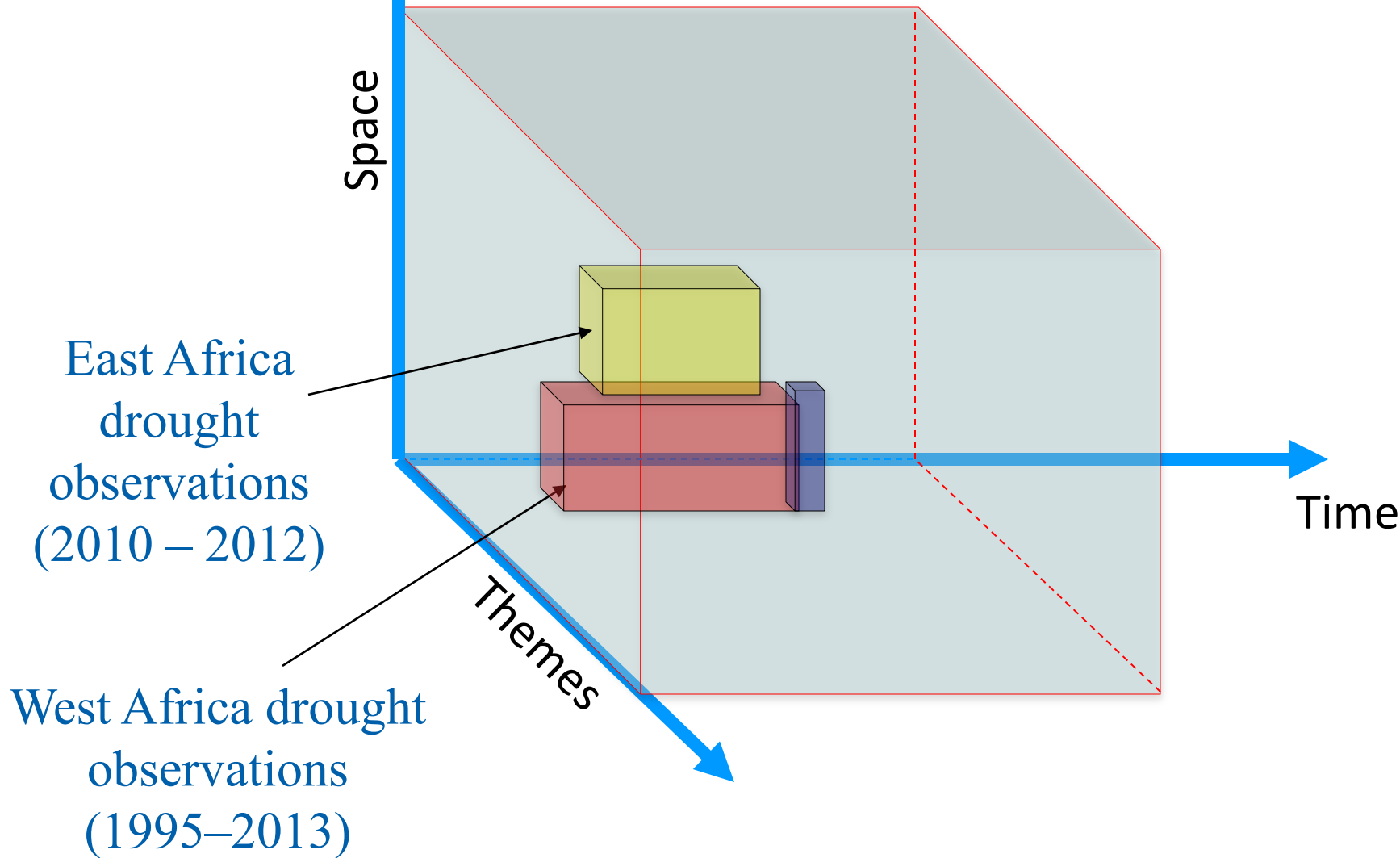
GROUP ON

EARTH OBSERVATIONS

GEOSS Targeted Gaps

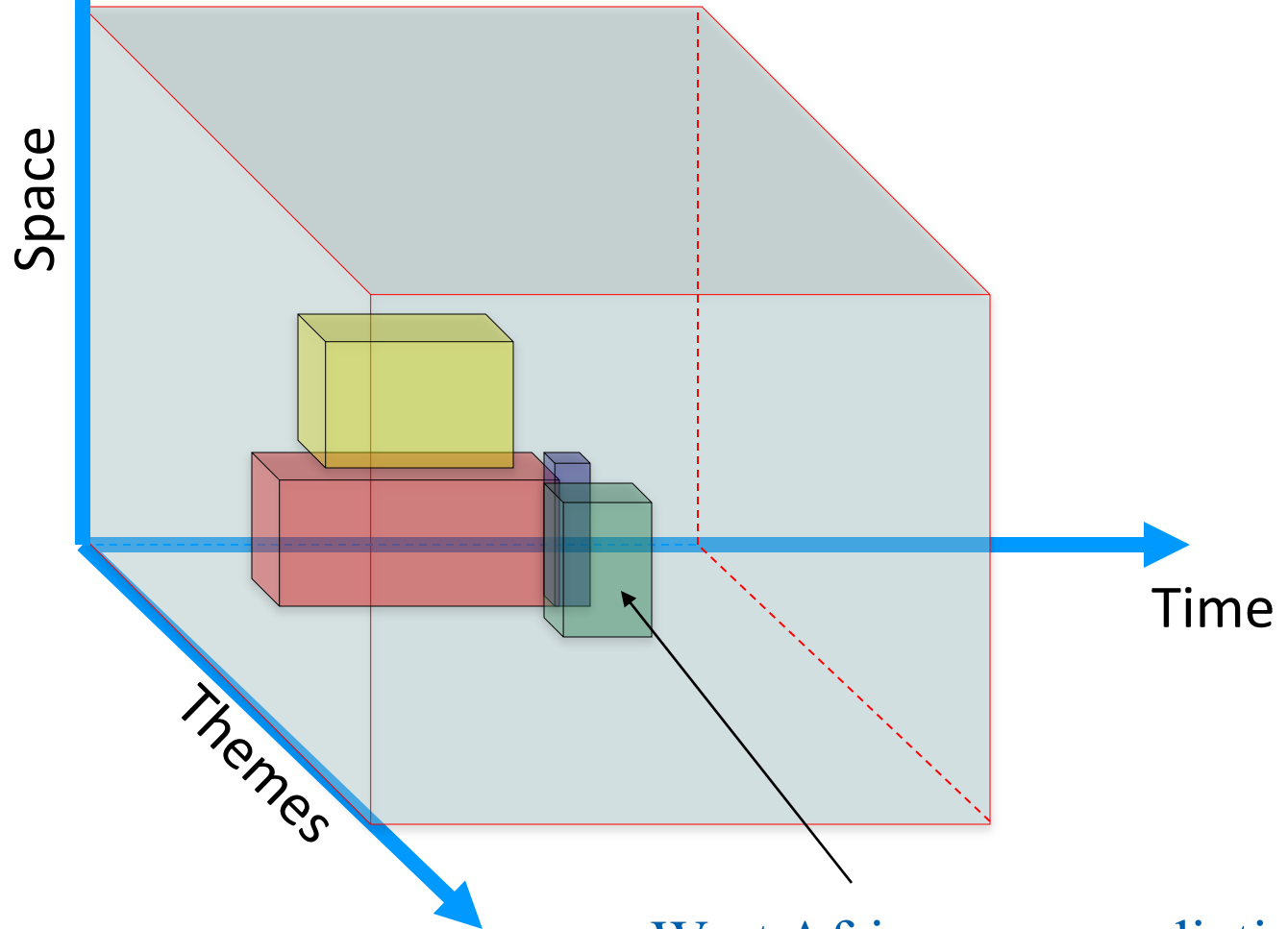


Uncertainty over continuity of observations
Large spatial and temporal gaps in specific data sets





Uncertainty over continuity of observations
Large spatial and temporal gaps in specific data sets

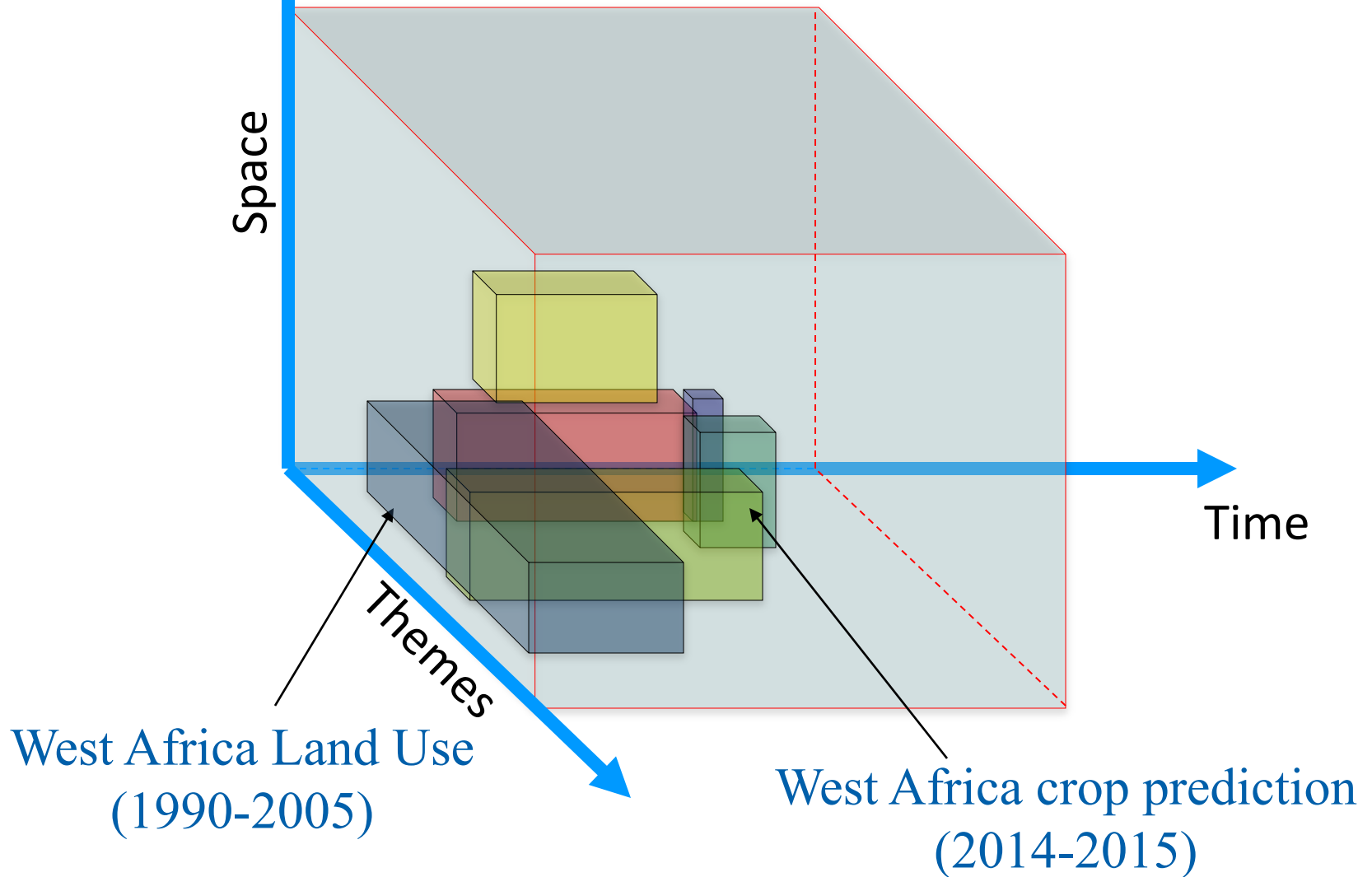


West Africa crop prediction
(2014-2015)



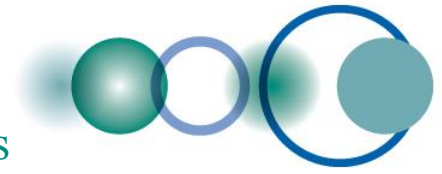
Uncertainty over continuity of observations

Large spatial and temporal gaps in specific data sets

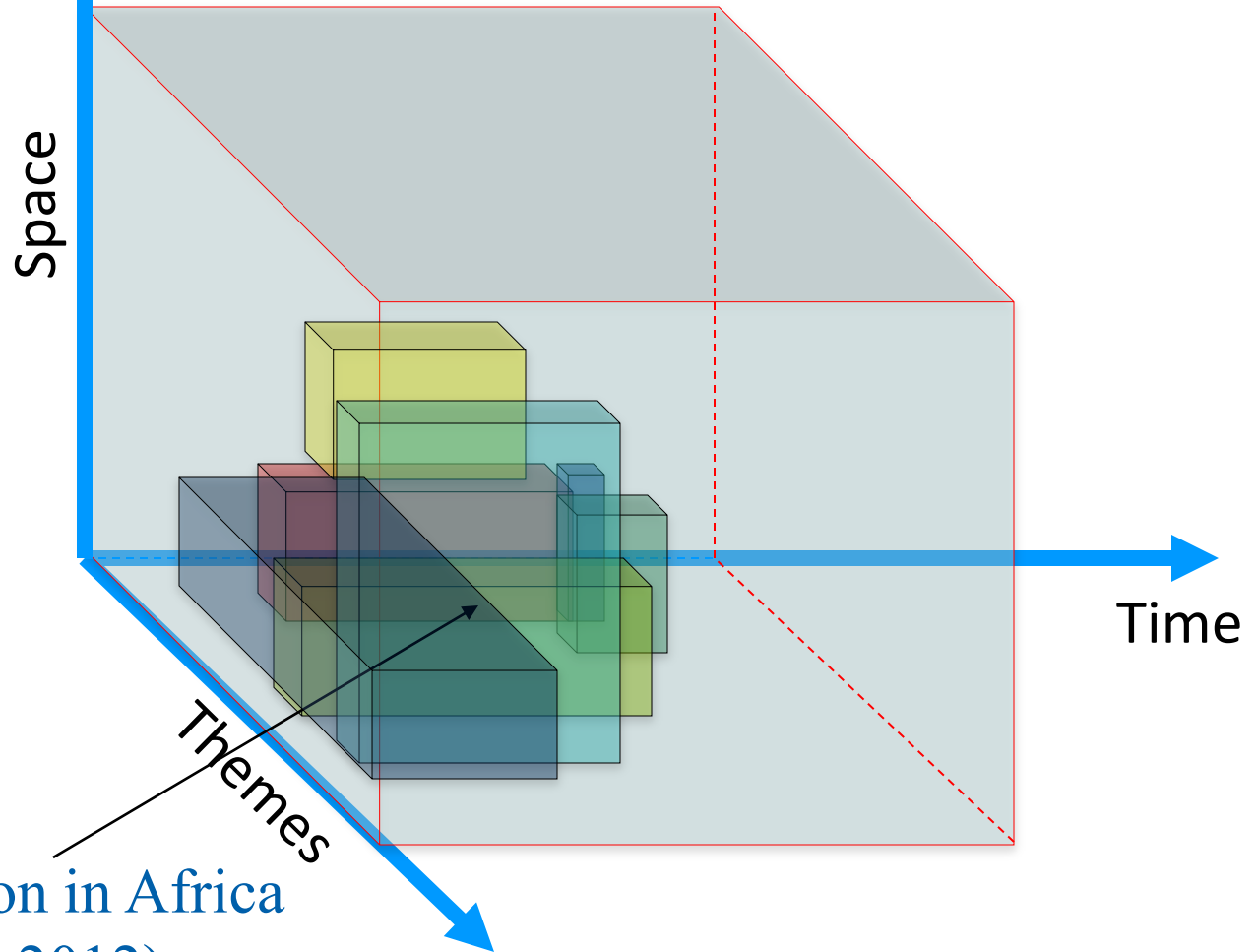




GEOSS Targeted Gaps



Uncertainty over continuity of observations
Large spatial and temporal gaps in specific data sets



Precipitation in Africa
(1992-2012)

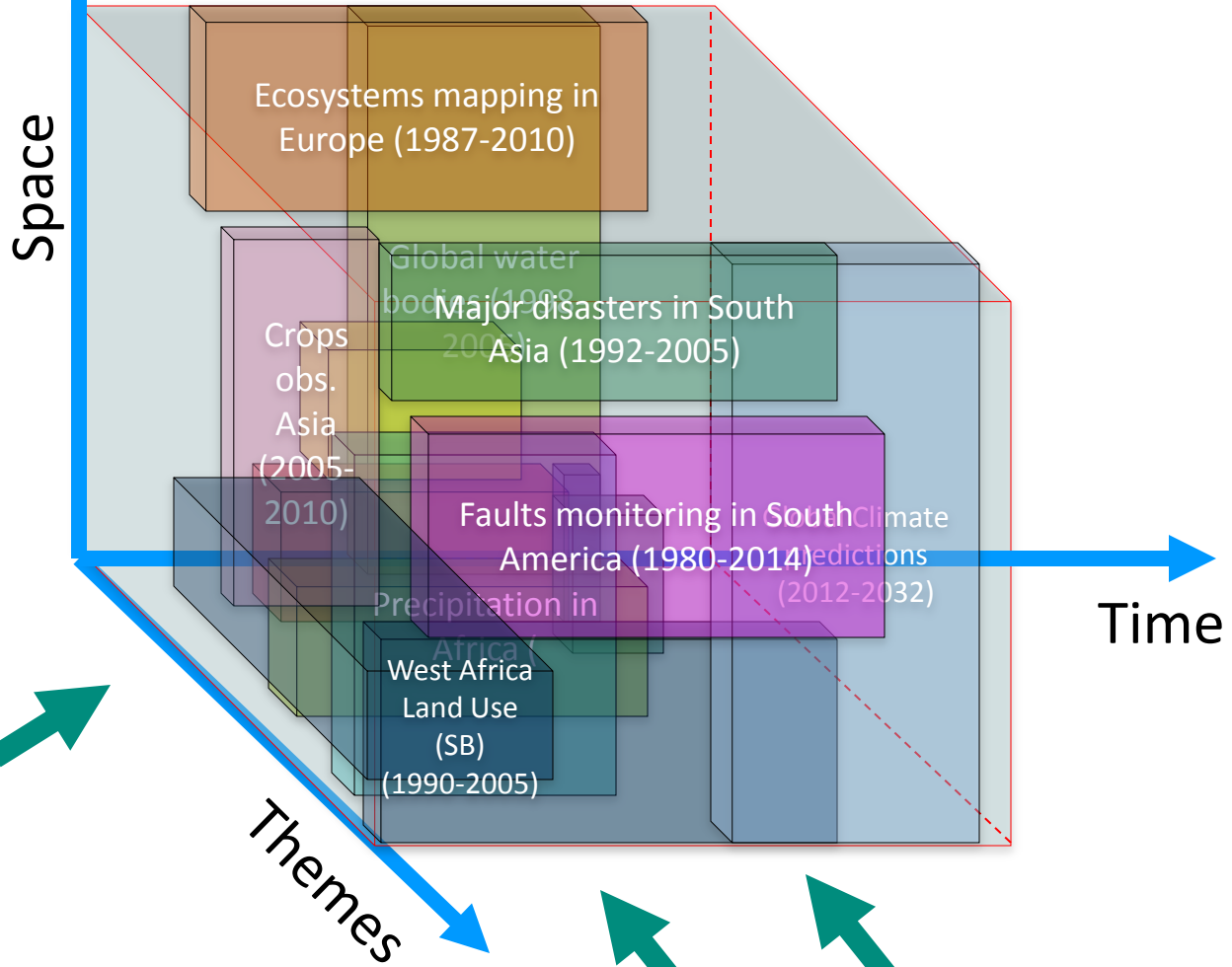


GROUP ON

EARTH OBSERVATIONS



GEOSS should be making this cube as dense and transparent as possible GCI



GCI Searches



Themes



Time

GEOSS Data Providers Workshop

20 - 21 April
Florence, Italy



http://www.earthobservations.org/me_201704_dpw.php

GEO Work Programme Symposium

Pretoria, South Africa

12-13 May 2017

<http://www.earthobservations.org>



Twitter: @geosec2025



Facebook: Group on Earth Observations

