

- GeoNet -

A Proposal to the European Commission

Axel Nothnagel

Geodetic Institute of the University of Bonn



EU Call for Proposals

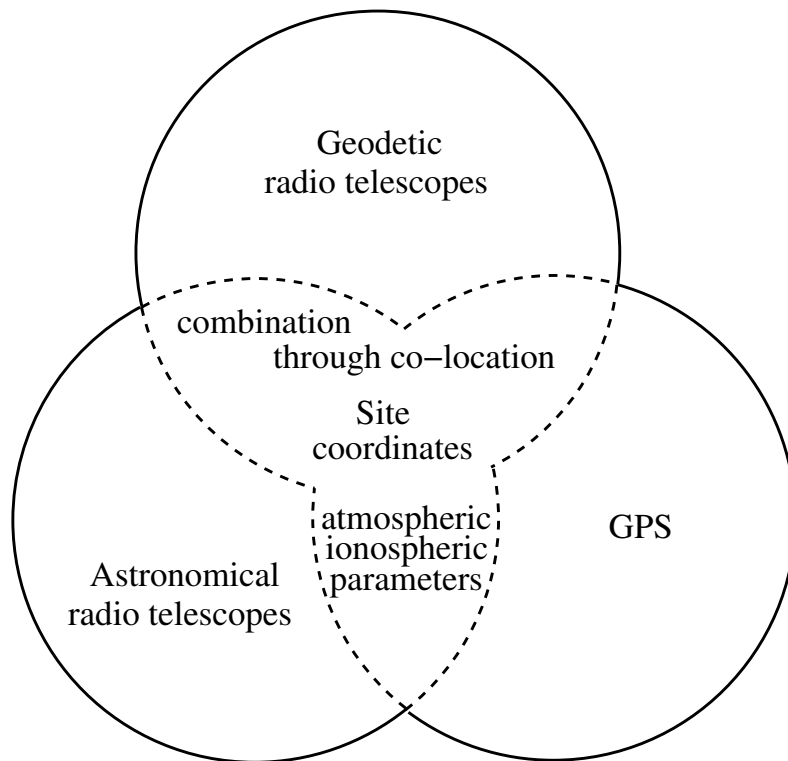
GeoNet

EU Framework Programme 6 (FP6)

Specific Programme	Structuring the European Research Area
Activity	Support of Research Infrastructures
Call Title	Integrating Activities
Implementation	Co-ordination Actions
Date of Publication	November 4, 2004
Closure Date	March 3, 2005

Limitations: Only Co-ordination, No Research, No Investments

GeoNet - European Network of Terrestrial Reference Points for Geodesy and Radio Astronomy



- Integrate astronomical radio telescopes in geodetic network
- Equip radio telescopes with permanent GPS receivers
- Integrate GPS observations in routine GPS processing
- Provide atmosphere and ionosphere to astronomers
- Local tie and stability surveying
- Provide coordinates of radio telescopes to EUREF and radio astronomers

GeoNet Consortium

GeoNet

Axel Nothnagel, GIUB, Bonn, D

Zuheir Altamimi, IGN, Ch. sur Marne, F

Carine Bruyninx, ROB, Brussels, B

Rüdiger Haas, Chalmers, Gothenburg, S

Franco Mantovani, INAF, Bologna, I

Harald Schuh, IGG, Vienna, AT

Luca Vittuari, DISTART, Bologna, I

Coordinator

ETRF

European GPS

Geodetic VLBI

Astronomical VLBI

Atmosphere/Ionosphere

Local Surveying

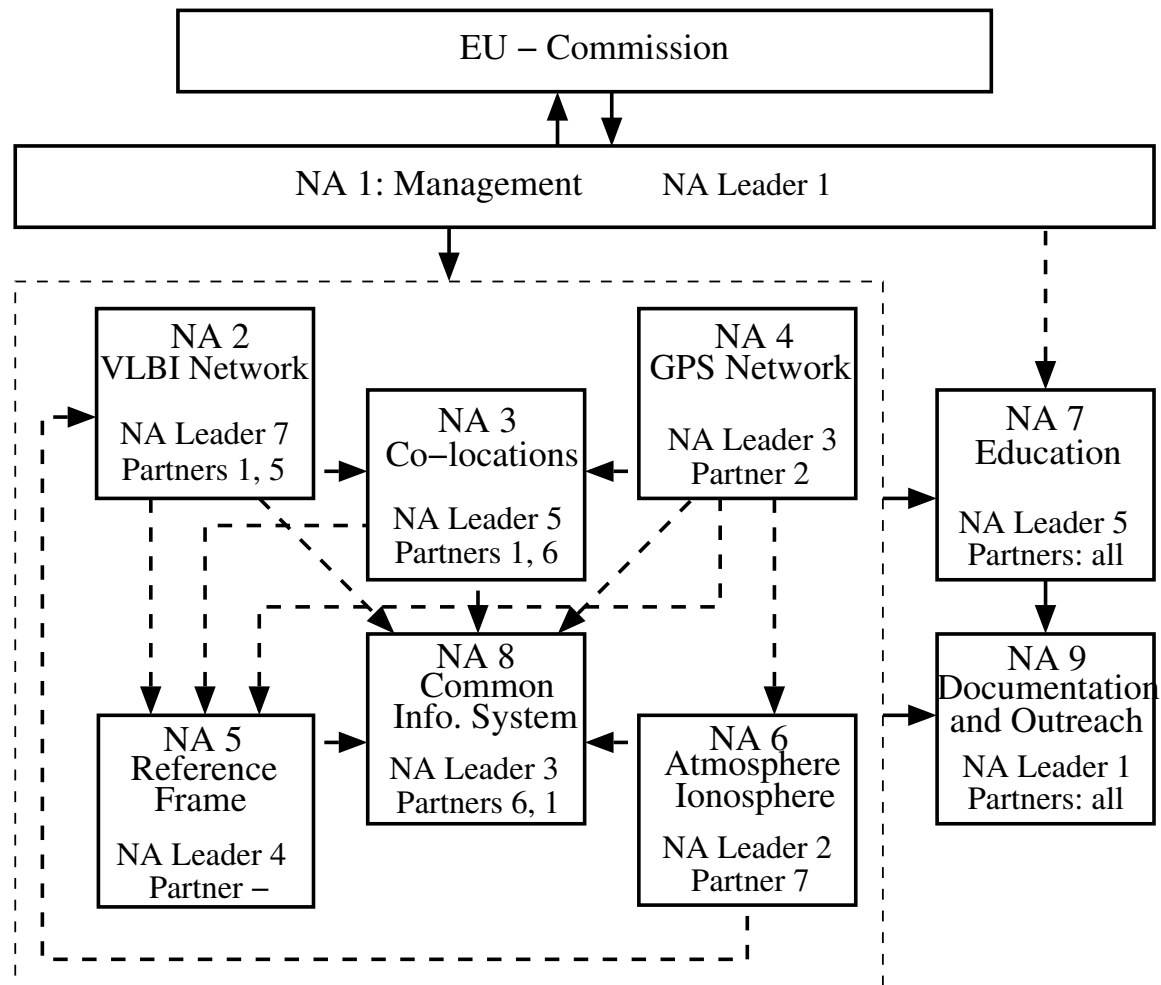
GeoNet Networking Activities

GeoNet

- NA 1 Management
- NA 2 European Geodetic VLBI Network
- NA 3 Co-locations of GPS Receivers near Radio Telescopes
- NA 4 European Geodetic GPS Network
- NA 5 European Terrestrial Reference Frame
- NA 6 Atmospheric and Ionospheric Information
- NA 7 Science Co-ordination and Training Group
- NA 8 Common Information System
- NA 9 Documentation and Outreach

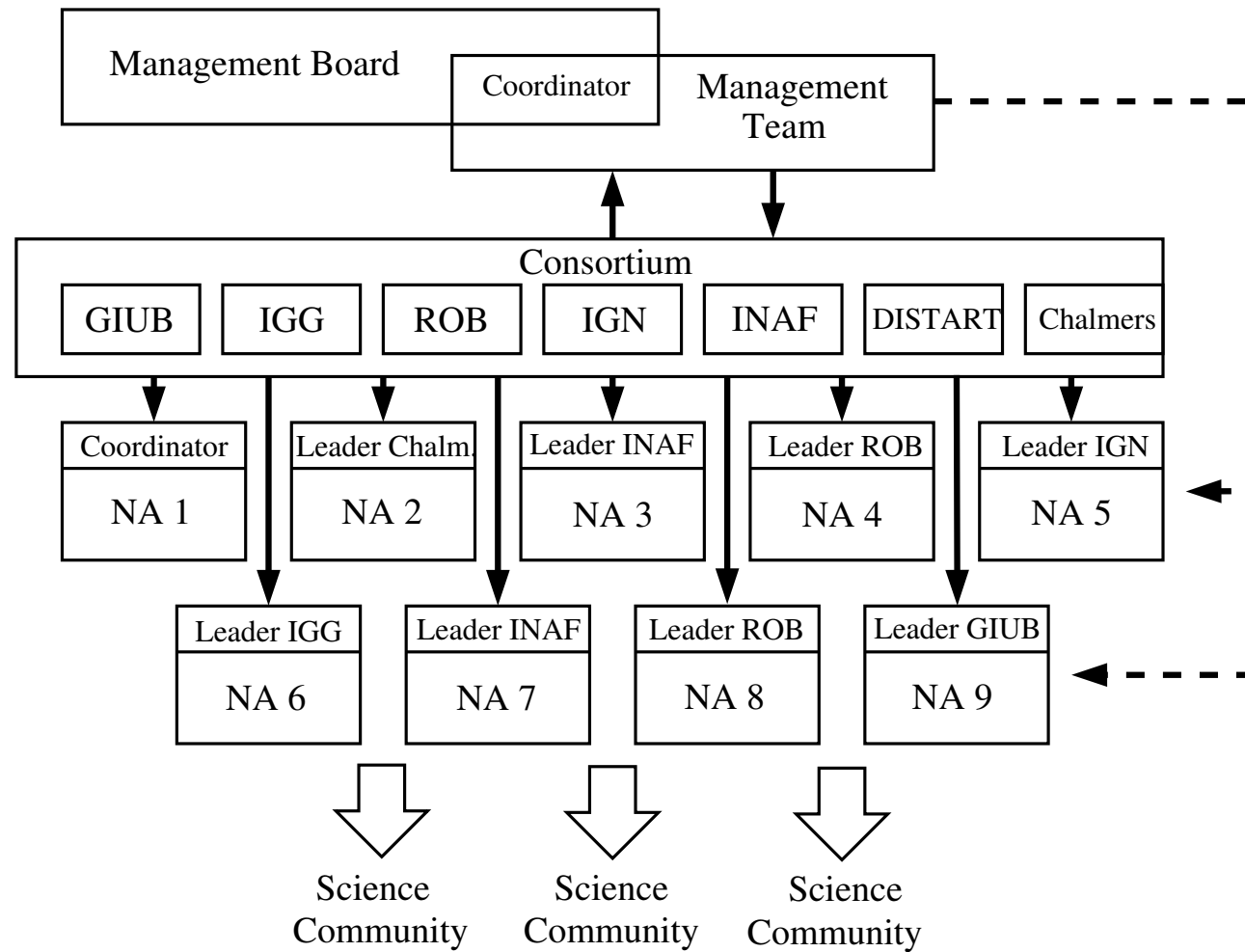
GeoNet Structure

GeoNet



GeoNet Administration

GeoNet



Stepping stone for a geodesy project of European dimension

Proposal to EU Framework Programme 7 (FP7)

- Integrated Infrastructure Initiative
 - Networking Activities
 - Transnational Access Activities
 - Joint Research Activities
- Include all geodetic positioning techniques
 - VLBI
 - GPS
 - SLR
 - DORIS
 - Galileo