



GGOS 2020

Recent developments with respect to GGOS2020 and IGOS-P Theme

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GGOS 2020

The Global Geodetic Observing System: Meeting the Requirements of a Global Society on a Changing Planet in 2020

- Started in May 2006
- Goal: Develop the strategy for the future GGOS
- Aims at two documents: Strategy and Reference
- Reference Document: Four main parts:
 - (1) Introductory chapters,
 - (2) User requirements,
 - (3) System specification, design and organization,
 - (4) Recommendations
- Recommendations for
 - infrastructure
 - the organizational background
 - steps towards implementation



GGOS 2020 Schedule

- Request for Strategy paper of the GGOS Steering Committee in April 2006
- Draft Structure and Initial Strategy Writing Team (SWT) in June 2006
- First Meeting August 21-22, 2006, Washington, DC: Two documents (Strategy and Reference Doc.)
- First draft Reference document for GGOS Workshop 2006, October 8-9, Munich
- Version 0.15 on 2 February 2007, Version 0.16 on 17 February 2007
- Team of reviewers (nearly) established
- **GGOS Retreat and GGOS 2020 SWT Meeting, February 19-22, 2007, Oxnard, California**
- **Strategy and Reference documents available in March 2007**
- **Hearing phase, including GEO, IGOS-P, IUGG, national authorities and space agencies**
- **Final documents available for IUGG, July 2-13, 2007, Perugia, Italy**



GGOS 2020 and GEO

- GGOS 2020 is part of the task AR-07-03 of the GEO Work Plan 2007 – 2009
- GGOS 2020 documents will be GEO documents
- Recommendations will be input to the GEO Plenary

Reference Document Contents

1. Introduction
2. The ways, means, and achievements of geodesy: The historic perspective
3. Observing a dynamic planet: Geodesy's contribution to science
4. Earth observation: Serving the needs of an increasingly global society
5. Geodesy's contribution to the functioning of a modern society
6. Geodesy: foundation for exploring the planets, the solar system and beyond
7. Integrated user requirements and functional specifications for the GGOS
8. The future geodetic reference frame
9. The future Global Geodetic Observing System (GGOS)
10. Towards GGOS in 2020
11. Recommendations



IGOS-P

- IGOS-P-13bis on November 13, 2006 in Buenos Aires
- Presentation of GGOS 2020
- Action Item on Theme Proposal: To be presented at IGOS-P-14, Paris, May 29-30, 2007
- **CEOS: Proposal to disintegrate IGOS-P/replace IGOS-P by GEO CoP**
- **IGOS-P Writing Team is preparing a position paper to be discussed at IGOS-P-14**
- **CEOS suggested 'Virtual Constellations' as new element for GEO**

After GGOS 2020:

The Global Geodetic Observing System (GGOS)

Workshop 2007

*The GGOS Contribution to GEOSS and an
Observing System for Geohazards and
Disaster Prevention*

November 5-6, 2007

Frascati, Italy





After GGOS 2020:

- Workshop is part of the International Geohazards Week
- Workshop is outreach activity to space agencies and geohazards community
- Workshop is (likely) to be a GEO workshop