



September 30 – October 2, 2009
Graz University of Technology

Workshop on
The Future of Satellite Gravimetry,
12–13 April 2007, ESTEC; Noordwijk
Radboud Koop, Reiner Rummel

The Future of Satellite Gravimetry

Report from the

Workshop on The Future of Satellite Gravimetry

12-13 April 2007, ESTEC, Noordwijk, The Netherlands

Radboud Koop and Reiner Rummel (Eds.)



Workshop objectives

- To establish a **roadmap** for future gravity satellite missions, including
 - a short-term perspective (GRACE follow-on)
 - a medium to long-term perspective
- which is in agreement with the user requirements as well as the programmatic boundary conditions of the space agencies.
- This roadmap shall include as a key element a matrix of generalized mission concepts addressing:
 - mission requirements (derived from user requirements) and expected performance;
 - pros & cons of the mission concept;
 - level of technological maturity and expected qualification time;
 - level of readiness of supporting science and identification of remaining scientific challenges (e.g., background models, temporal and spatial aliasing, etc.);
 - complementarity with other data sources;
 - cost estimates.
- It shall also cover a timeline including key milestones.

Workshop objectives

Based on this inventory, the planning of **future activities** can be done:

➤ Science:

- Which scientific studies are necessary to solve the remaining scientific challenges?
- How can we involve experts from neighbor communities to support us in solving open scientific problems?

➤ Technology:

- Which is the baseline technology to go for?
- Which residual technological developments have to be performed?

➤ Organization

- How to organize the community (and their presently rather scattered efforts) from this moment to a coherent one for the future?
- How can we set-up permanent links to all relevant user communities?
- How can we keep track on the balance of the progress in science and technology?

Wednesday

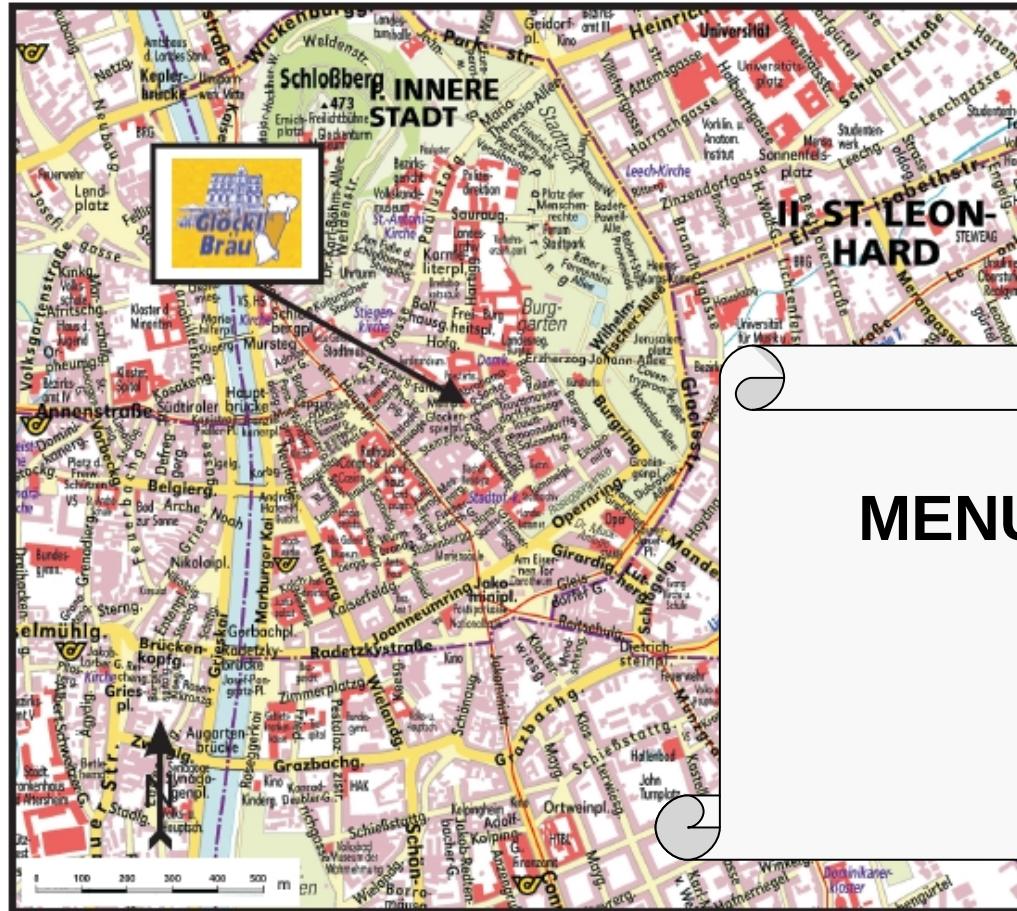
Program (overview)

09:00 – 10:40	P1: Status, Requirements and Challenges		
10:40 – 11:00	Coffee Break		
11:00 – 11:20	Introduction to Breakout Sessions		
11:20 – 12:40	B1 Mission requirements	B2 Mission design	B3 Data proc., modelling & interpret.
12:40 – 14:00	Lunch (buffet)		
14:00 – 15:40	B1 ctd'	B2 ctd'	B3 A111 ctd'
15:40 – 16:00	Coffee Break		
16:00 – 16:30	P2a: Reports from the Breakout Sessions		
16:30 – 18:00	P2b: The Space Agencies: Programs and Boundary Conditions		
19:00 – 21:00	No-Host Dinner		

Program (overview)



GLÖCKLBRÄU

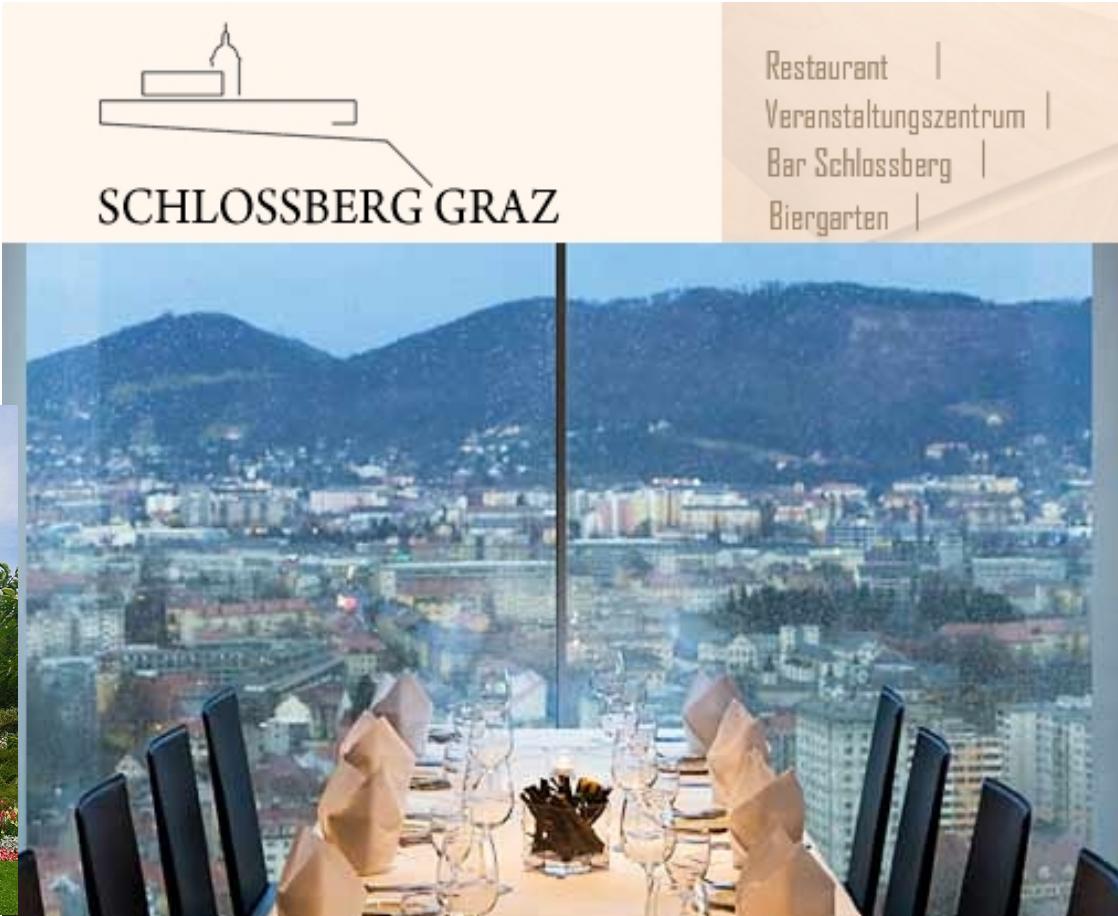


Thursday

Program (overview)

09:00 – 10:40	B4 BE01 Integration of mission design, data proc. & candidate technology	B5 A306 Future products and services	B6 A111 Roadmap and declarations
10:40 – 11:00 Coffee Break			
11:00 – 12:40	B4 BE01 ctd'	B5 A306 ctd'	B6 A111 ctd'
12:40 – 14:00 Lunch (buffet)			
14:00 – 15:40	P3: Reports from the Breakout Sessions		
15:40 – 16:00	Coffee Break		
16:00 – 18:00	P4: Roadmap and Declarations		
19:00 – 21:00	Workshop Dinner		

Program (overview)



Program (overview)

Friday

09:00 – 10:40 **P5:** Steps towards the implementation: The long-term perspective

10:40 – 11:00 Coffee Break

11:00 – 12:15 **P6:** Steps towards the implementation: The short-term perspective

12:15 – 13:15 Lunch (buffet)

13:15 – 15:00 **P7:** Final discussion of roadmap and declaration

15:00 Adjourn