

Modern Geodetic Space Techniques for Global Change Monitoring



Deutscher Akademischer Austausch Dienst
German Academic Exchange Service



Strategic partnerships and thematic networks 2015-2018

Program line B: Thematic Networks (TN), Projekt ID: 57173947, University of Stuttgart

General information

Project Leader

Prof. Dr.-Ing. Nico Sneeuw, University of Stuttgart

Project Coordinator

Dr.-Ing. Jianqing Cai, University of Stuttgart

Partners

Wuhan University, Wuhan, China
Tongji University, Shanghai, China
Deutsches Geodätisches Forschungsinstitut, Technical University Munich, Germany
University of Luxembourg, Luxembourg
Chinese Academy of Surveying and Mapping, Beijing, China

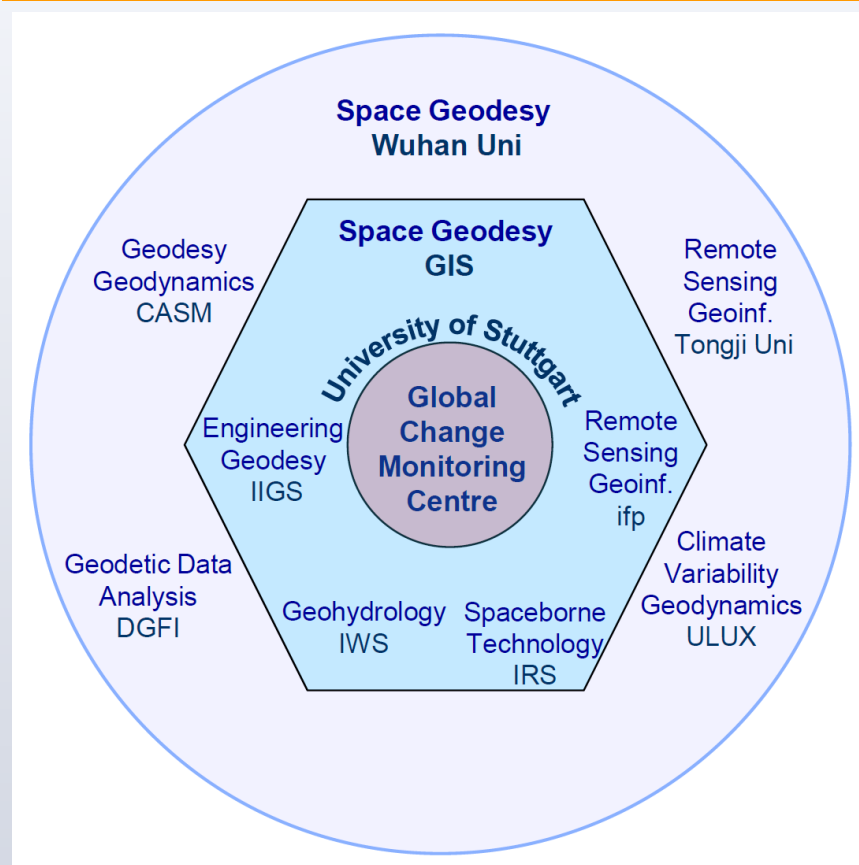
Partner countries

China, Luxembourg and Austria

Proposers from University of Stuttgart

Prof. Dr.-Ing. Nico Sneeuw, PI, Institute of Geodesy
Prof. Dr.-Ing. Volker Schwieger, Institute of Engineering Geodesy
apl.Prof. Dr.-Ing. Norbert Haala, Institute for Photogrammetry
Prof. Dr.-Ing. András Bárdossy, Institute for Modelling Hydraulic and Environmental Systems
Prof. Dr.-Ing. Stefanos Fasoulas, Institute of Space Systems

Thematic Network



Establishment of a multilateral and multidisciplinary Thematic Network

Modern Geodetic Space Techniques for Global Change Monitoring

Project goals and strategy

Project goals

- Supporting the internationalization strategy of the University of Stuttgart aiming at improving the quality of teaching and research
- Establishment of the planned competence center “University of Stuttgart Global Change Monitoring Centre”
- Securing long-term funding, e.g. through DFG-funded “SFB international” or “International Research Training Groups”

Strategy

- Extension of the existing Stuttgart-Wuhan partnership to a veritable network with 4 more partners in China and Europe
- Exchange of scientists, senior and young postdoctoral fellows, for purposes of joint research in the domain of global change monitoring using modern geodetic techniques
- Exchange of teachers and students for education purposes
- Taking the aggregated network’s expertise in spaceborne geodetic technology, in satellite data analysis and in monitoring and modeling of global change phenomena as the disciplinary basis of the Thematic Network

Further information

<http://themnet.gis.uni-stuttgart.de/>

Current status and further measures

Current status

- First network meeting at University of Stuttgart to jointly investigate global geodetic observing systems
- Short and long visits of partner university personnel
- Study and research visits of students and PhD candidates



Further measures

- Visiting among partner institutions and guest lectures
- Workshop and summer school (2016, 2017)
- Other exchange programs and joint research projects