

Research plan for 2020-24

Commission on Geographic Information Science

Steering committee for 2016-2020

Daniel Sui, Chair	Ohio State University	USA
Fenzhen Su, Co-Chair	Institute of Geography and Natural Resources Research, Chinese Academy of Sciences	China
Francis Harvey	Leibniz Institute for Regional Geography	Germany
Andrej Medvedeff	Institute for Geographie der Russian Academy of Science	Russia
Evelyn Uemaa	University of Tartu	Estonia
Shoaib Khalid	Government College University Faisalabad	Islamic Republic of Pakistan
Lars Brabyn	University of Waikato	New Zealand
Stan Geertman	Utrecht University	The Netherlands
Shawn Laffan	University of New South Wales	Australia
Itzhak Benenson	Tel-Aviv University	Israel
Jun Xu, Secretary	Institute of Geography and Natural Resources Research, Chinese Academy of Sciences	China

Proposed steering committee for 2020-2024

Fenzhen Su, Chair	Institute of Geography and Natural Resources Research, Chinese Academy of Sciences	China
Daniel Sui, Co-Chair	Ohio State University	USA
Andrej Medvedeff	Institute for Geographie der Russian Academy of Science	Russia
Evelyn Uemaa	University of Tartu	Estonia
Shoaib Khalid	Government College University Faisalabad	Islamic Republic of Pakistan

Lars Brabyn	University of Waikato	New Zealand
Marco Helbig	Utrecht University	The Netherlands
Shawn Laffan	University of New South Wales	Australia
Masoud Minaei	Ferdowsi University of Mashhad (FUM)	Iran
Serafeim Alvanides	Leibniz Institute for the Social Sciences, Cologne	Germany
Motti Zohar	University of Haifa	Israel

Jun Xu, Secretary, Institute of Geography and Natural Resources Research, Chinese Academy of Sciences, China

Present objectives

The mission of the Commission on Geographic Information Science (GISc) is to advance the study of geographical information science internationally, and to enhance the role and contributions of geographers in the development of Geographic Information Science and of Geographic Information Science in the development of geography. The commission creates a network of people and research centers in geography that are related to geographical information science and serve as a focus for the worldwide GISc education and research community.

The objectives include:

- Establish international research and educational priorities in GISc
- Evaluate and promote the role of geography and within geography and assess the influences of geography, as a discipline, on GISc
- Expand and rationalize GISc within the geography curriculum
- Address issues of certification and standards in GI practice and education
- Promote effective, efficient and responsible use of geographical information (GI) in society.

Proposed objectives for 2020-24

- Expand the usage of user-generate big data in human mobility study and promote the service of GISc for smart city and human life
- Fuse the social sensing data and earth observation data in earth system science research
- Advance the application of GISc in the fields of social sciences and humanities

- Enhance the cooperation of GISc researchers all over the world and improve the response capacity to global emergencies with GIS methods

Five major achievements for 2016-20

1. We held the 17th International Symposium on Spatial Data Handling (SDH) in China in 2016.
2. We published the book: Spatial Data Handling in Big Data Era: Select Papers from the 17th IGU Spatial Data Handling Symposium 2016 in 2017, and it was submitted to the IGU archives.
3. We held the 18th International Symposium on Spatial Data Handling (SDH) in Russia in 2018.
4. We and the Technical Committee 7 (TC-Remote Sensing and Mapping) of the International Association for Pattern Recognition (IAPR) together held the 10th International Workshop on Pattern Recognition in Remote Sensing (PRRA 2018).
5. We worked on big data analysis for COVID-19 epidemic and proposed suggestions on regional prevention and control policy

Five major activities to be undertaken during 2020-24

1. We will hold the 19th International Symposium on Spatial Data Handling (SDH) in Turkey in 2021.
2. We will hold the 20th International Symposium on Spatial Data Handling (SDH) in 2022 or 2023, and the location is to be decided.
3. We will establish local sub-committees in leading countries.
4. We will have a business meeting on IGU Congress and discuss the commission related issues.
5. We will publish a book or organize a special issue about frontier researches in GIS