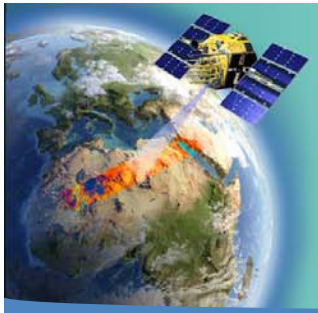

ISPRS
International Society for Photogrammetry and Remote Sensing
Serving society with information from images
The 6th Land Administration Domain Model (LADM) Workshop
Dr. Mila Koeva
isprs
information from imagery

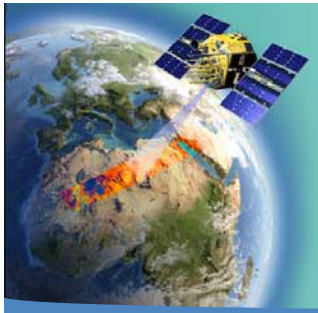


ISPRS is …

… an international NGO with a focus on

- **science and development**
  - in photogrammetry, remote sensing, spatial information
- **cooperation** between **all relevant stakeholders**
  - academia, private industry, government, end users
- truly **global** cooperation
  - **education**, technology transfer, capacity building

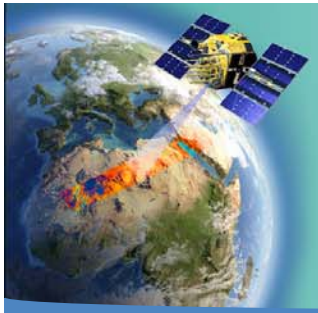
- more than 100 years old
- institutional and individual membership



ISPRS Mission: why we exist

- *… to advance the photogrammetry, remote sensing and spatial information sciences through international cooperation in research, development and education for the benefit of society and for environmental sustainability.*

(from ISPRS Strategic Plan 2010)



ISPRS Vision: where we want to go

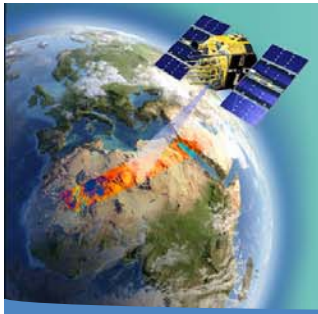
- *… to be the foremost scientific society in its field and for the Society at large,*
- *to speak for all people working in the field,*
- *to provide the necessary resources to develop the field.*

(from ISPRS Strategic Plan 2010)

The beginning

- founded on July 4, 1910 in Vienna on the initiative of Prof. Eduard Doležal
  - International Society of Photogrammetry (ISP)
- oldest international umbrella organisation in its field

Eduard Doležal, a professor for practical geometry at Vienna University of Technology

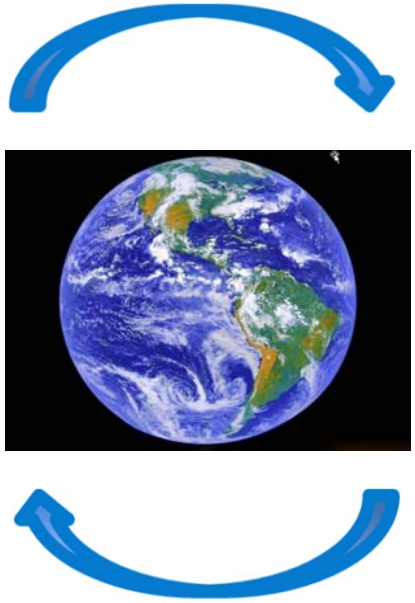


ISPRS goes geospatial: Imagery is core to GIS

GIS brings value

- Contextual relationships
- Visual integration
- Data management
- Spatial analysis
- Communication

GIS

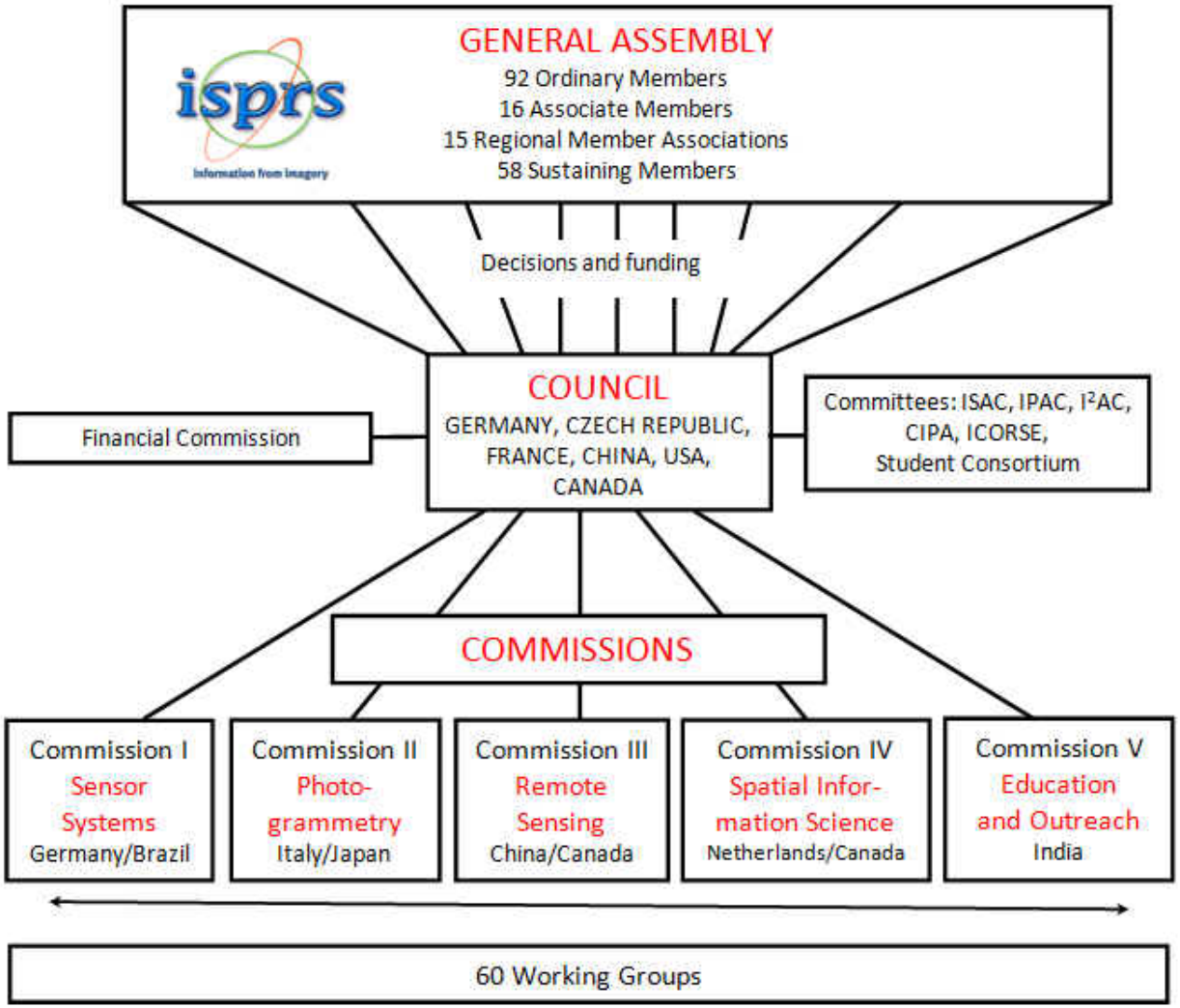


Imagery

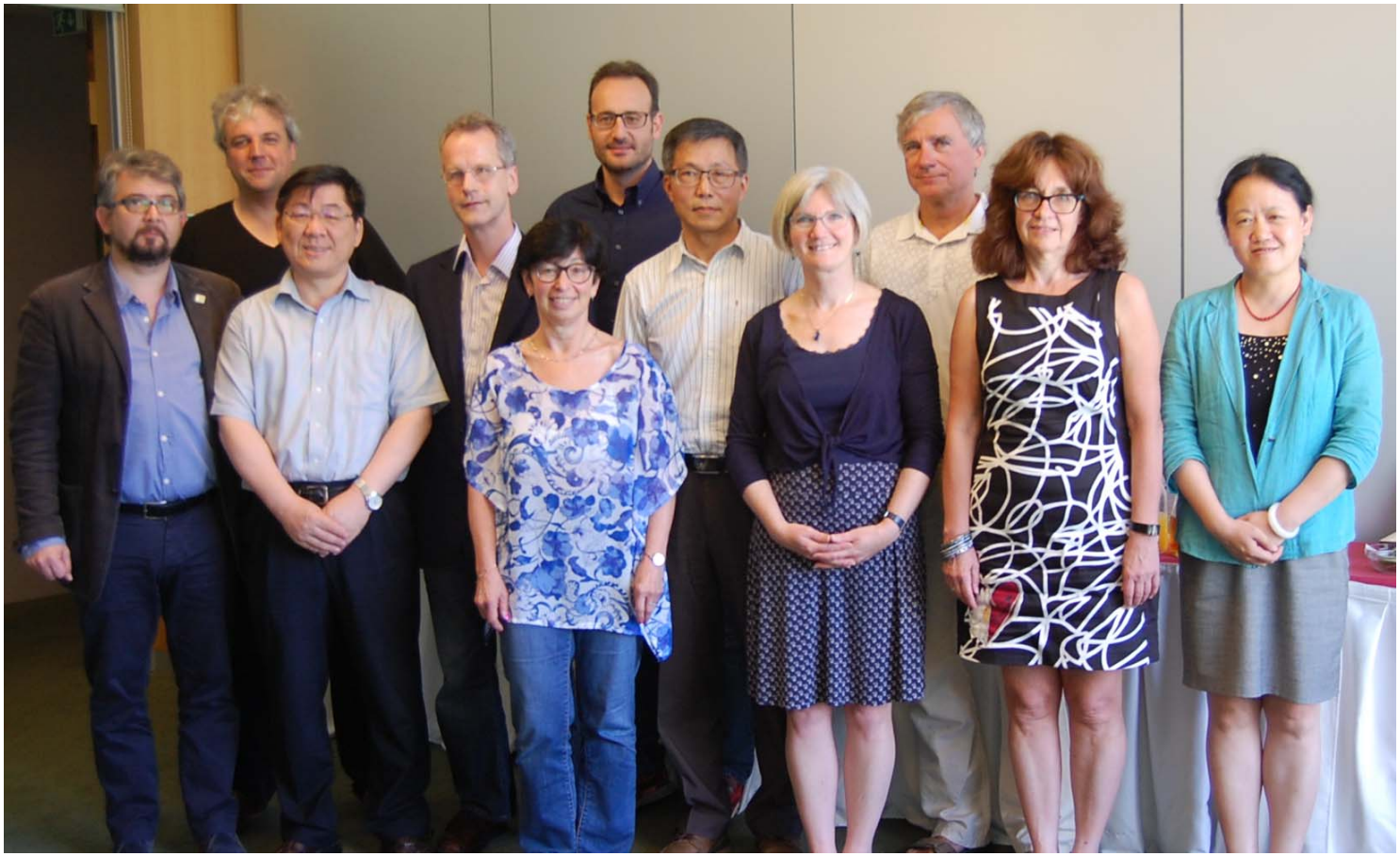
- Timely, rich information
- Measurements and analysis
- Authoritative source

Imagery brings value

ISRPS Structure (2016 – 2020)



Council and Technical Commission Presidents (2016 – 20)



Prague 2016


Nordpolarmeer
Beaufort-see
Alaska (USA)
Grönland (Dk.)
Grönland-See
Barents-see
Europäisches Nordmeer
Ochotskisches Meer
Russland
Kasachstan
Mongolei
PAZIFISCHER OZEAN
ATLANTISCHER OZEAN
INDISCHER OZEAN
Mexico
Golf von Mexico
Karibisches Meer
Venezuela
Kolumbien
Ecuador
Peru
Bolivien
Paraguay
Argentinien
Chile
Uruguay
Brasilien
Amazonas
Äquator
Algerien
Ägypten
Mauretanien
Mali
Niger
Tschad
Sudan
Nigeria
Kamerun
Äthiopien
Somalia
Kongo
Demokr. Rep. Kongo
Tansania
Angola
Sambia
Namibia
Botsuana
Simbabwe
Mosambik
Madagaskar
Südafrika
Saudi Arabien
Jemen
Iran
Irak
Afghanistan
Pakistan
Indien
Philippinen
Indonesien
Australien
Große Australische Bucht
Weddell See
Antarktis
welt-atlas.de
...über 1400 Karten aus aller Welt

Technical Commissions (2016 – 20)

No.	Commission title	President / Vice-president
I	Sensor systems	Stefan Hinz (Germany) / Raul Feitosa (Brazil)
II	Photogrammetry	Fabio Remondino (Italy) / Takashi Fuse (Japan)
III	Remote sensing	Jiang Jie (China) / Ahmed Shaker (Canada)
IV	Spatial information science	Sisi Zlatanova (Netherlands) / Suzana Dragićević (Canada)
V	Education and outreach	A. Senthil Kumar (India) / P.L.N. Raju (India)

Structure of ComIV (2016-2020)

WG IV/1	Multi-dimensional modelling
WG IV/2	Ontologies, Semantics and Kn
WG IV/3	Spatial Data Analysis, Statistics
WG IV/4	Collaborative Crowdsourced
WG IV/5	Indoor/Outdoor Seamless M
WG IV/6	Internet of Things, SDI and Sp
WG IV/7	Geo-Data Management
WG IV/8	Geocomputation and geosim
WG IV/9	Geovisualization and Virtual Reality
WG IV/10	Advanced Geospatial Applications for Digital Cities and Regions
IC WG IV/III	Global mapping: updating, verification and interoperability
IC WG I/IV	Robotics for Mapping and Modelling
IC WG III/ IV	Disaster assessment, monitoring and management

WG Officers on World Map

WG IV/10: Advanced Geospatial Application for Smart Cities and Regions

Within the framework of digital cities and regions, these are the topics the WG will be dealing with:

- Environmental challenges, e.g.
  - urban air quality,
  - noise mapping,
  - micro-climate/heat islands,
  - citizens' health;
- Urban and regional energy challenges, e.g.:
  - current and future estimation/simulation/co-simulation of energy demand and supply,
  - exploitation of local renewable energies,
  - 3D solar cadastres;
- Mobility, e.g.:
  - transportation,
  - logistics,
  - transport-oriented development;
- Socio-economic and legal aspects, e.g.:
  - 3D cadastre,
  - population trends,
  - land use and soil consumption;
- Emergency response and planning, e.g.:
  - disaster mapping and prevention/relief,
  - public safety,
  - cascading effects due to infrastructure failures;
- Tourism-related applications, e.g.:
  - virtual tourism,
  - web-based and mobile applications;

http://www2.isprs.org/commissions/comm4/wg10.html