



Conference Events

The ICC 2021 Florence will be organized in line with the tradition of ICA Conferences, and particularly it will include:

- Opening and Closing Ceremonies
- Plenary sessions with cutting edge keynote speakers
- A Scientific Programme, with presentations and posters selected after a revision process by a Scientific Committee and a selection of papers for publication
- Event and pre-event meetings of Commissions and Working Groups
- Exhibitions:
 - International Cartographic Exhibition;
 - Children's Map Exhibition;
 - Local Map;
 - Exhibition;
 - Technical Exhibition
- Social Programmes
 - for delegates;
 - for accompanying persons.

1. Programme and Conference Presentation

ICC 2021 in Florence will represent the opportunity for reflecting on the state of the art of Cartography and related disciplines, considering the international context as well as the Italian peculiarities in the field.

As in the other ICA conferences, this will be possible thanks to the presence of oral and poster presentations of papers. ICA Executive Committee, Chairs of Commissions and Workshops will be involved in realizing the final programme and reviewing the papers submitted. These will be also reviewed by referees chosen from researchers and scholars expert in the field of Cartography and related disciplines. Posters, abstracts and full papers will represent the way in which the cartographic contents and experiences will be made available to the public.

Scientific Programme and themes

We have selected a set of main themes to characterize ICC 2021 Florence under the main idea of “**Cartography: planning our future from lessons from the past**” that recalls the aspects in which Italy can be considered renown in the field.

- **Cartography in and over the Web 2.0**
- **Cartography as decision support tools and to foster sustainability**
- **The quality of spatial data**
- **Cartography and Geographic Information Systems**
- **Cartography and Remote Sensing**
- **Unconventional Cartography: networks, news, media, art and participation**
- **Historical Cartography and History of Cartography**
- **Cartography and Cultural Heritage**

Such themes of course are not the only ones to be proposed for the Conference. A list of themes taken from the main topics tackled in ICA's commission and workshops follow. These will be integrated by new issues that will become evident from now to the true moment of organization of the Conference

Themes

1. Art, Culture, and Cartography
2. Big data and Cartography
3. Cadastral mapping
4. Cartography and other disciplines
5. Cartographic Design and Production
6. Cartography and beyond
7. Cartography for Smart and Digital Cities
8. Cartography of Earth dynamics
9. Children and Cartography
10. Collaborative mapping, volunteered geographic information, and crowdsourcing.
11. Cartography in Cultural Heritage
12. Geospatial Analysis and Modelling
13. Global navigation and positioning systems for geospatial data
14. History of Cartography and Historical Maps
15. Intellectual property rights in mapping and geospatial data.
16. Location-based Services, Mobile Mapping and Navigation Systems
17. Map Projections, coordinate systems, transformations and conversions.
18. Maps and Atlases
19. Maps and geopolitics
20. Maps and geospatial information systems for early warning, risk reduction and crisis management
21. Maps and Graphics for Blind and Partially Sighted People Accessible cartography for people with disabilities.
22. Marine Cartography
23. Military Cartography and Geospatial intelligence
24. Mountain cartography and terrain representations; recreation and orienteering maps.
25. Open Data and Intellectual Property Rights
26. Open source mapping and open geospatial data.
27. Planetary, extrasolar and celestial Cartography
28. Quality of geospatial data, maps/charts; data integration, metadata, and standards
29. Remote Sensing and geospatial data
30. Spatial semantics and ontologies; spatial data infrastructures; interoperability.
31. Thematic Mapping
32. Theoretical cartography
33. Topographic and base mapping
34. Topographic and Thematic Mapping from Satellite Imagery
35. Toponyms: place names as cultural heritage, place-name conflicts, toponymic field work and documentation.
36. Tourist Cartography
37. Unconventional Cartography and non cartographic maps
38. Virtual reality, augmented reality, 3D mapping, and Geodesign.
39. Web cartography; map services and apps; GIS cloud computing.