ICA mapping for the Sustainability Development Goals

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Introduction
ICA’s geography and history
Maps & cartography
Maps and the Global Sustainability Goals
Conclusion

ICA's Member and International Cartographic Conferences

The Commissions and working Groups over time

- Commissions are core to ICA’s success
- Commissions follow their ToR to reach ICA’s objectives
- Commissions act globally
- Commissions might execute specific ICA tasks incorporated in their ToR
Number of Executive Committee members by country

Location Executive Committee members over time

Executive Committee members by country over time

What do we do?

- The mission of the ICA is to promote the disciplines and professions of cartography and GIScience in an international context.
Maps

- A map is a visual representation of an environment

  - maps tell stories
  - maps show patterns
  - maps reveal relationships
  - maps explain
  - maps provide overview
  - maps offer insight

- Maps that matter should raise interest, be engaging, instantly understandable, and be relevant to society

Changes

- **Yesterday**
  - Carefully crafted ‘authoritative’ products (cartographers)
  - Filling gaps to present the essence of the message

- **Today**
  - Participatory perspective (cartographers & mapmakers)
  - Big data
Cartographic challenge: big data's visual summaries

- What is big data?
  - all contour lines?
  - all airplane movement in a day?

What about Maps and Sustainability

ICA's International Map Year [mapyear.org]

- How can maps be relevant for the global goals?
Example: Goal 4 Education

- Goals

- Targets 4.1 4.2 4.3 4.4 4.5 4.6 4.7

- Indicators 4.1.1 4.2.1 4.3.1 4.4.1 4.5.1 4.6.1 4.7.1

http://www.un.org/sustainabledevelopment/education/

Start of the poster project - Vienna, November 2015

Commissions and Goals

- Visual Analytics
- Map Production & Geoinfo Management
- Map Design
- Location Based Services
- GI for Sustainability
- Geospatial Analysis & Modelling
- Generalization & Multiple Reprs
- Cognitive Issues in GeoInfoVis
- Art and Cartography
- Map Projections
- Mountain Cartography
- Open Source Geospatial Technology
- Planetary Cartography
- SDI & Standards
- Topographic Mapping
- Use, User and Usability Issues
- Cartography and Children

Commissions and Goals
**Poster Structure**

- **Target**
- **Indicator**
- **Story**
- **Commission**
- **Perspective**

**Take home message**

**An example**

Map design makes a difference because it is key to effective communication.

**Exhibition Catalog**

- A map perspective on the sustainable development goals

**At the UN-GGIM**

- Images of posters displayed at the event.
Lessons learned: sensitivity

- Language
- Base map
- Content
- Cartographic representation
- Graphic Quality

The posters as well as the catalog for the poster exhibition can be found on:

icaci.org/maps-and-sustainable-development-goals.

Updates are coming!

Let's make the world a better place with maps