

The International Cartographic Association and EuroSDR

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The International Cartographic Association and EuroSDR

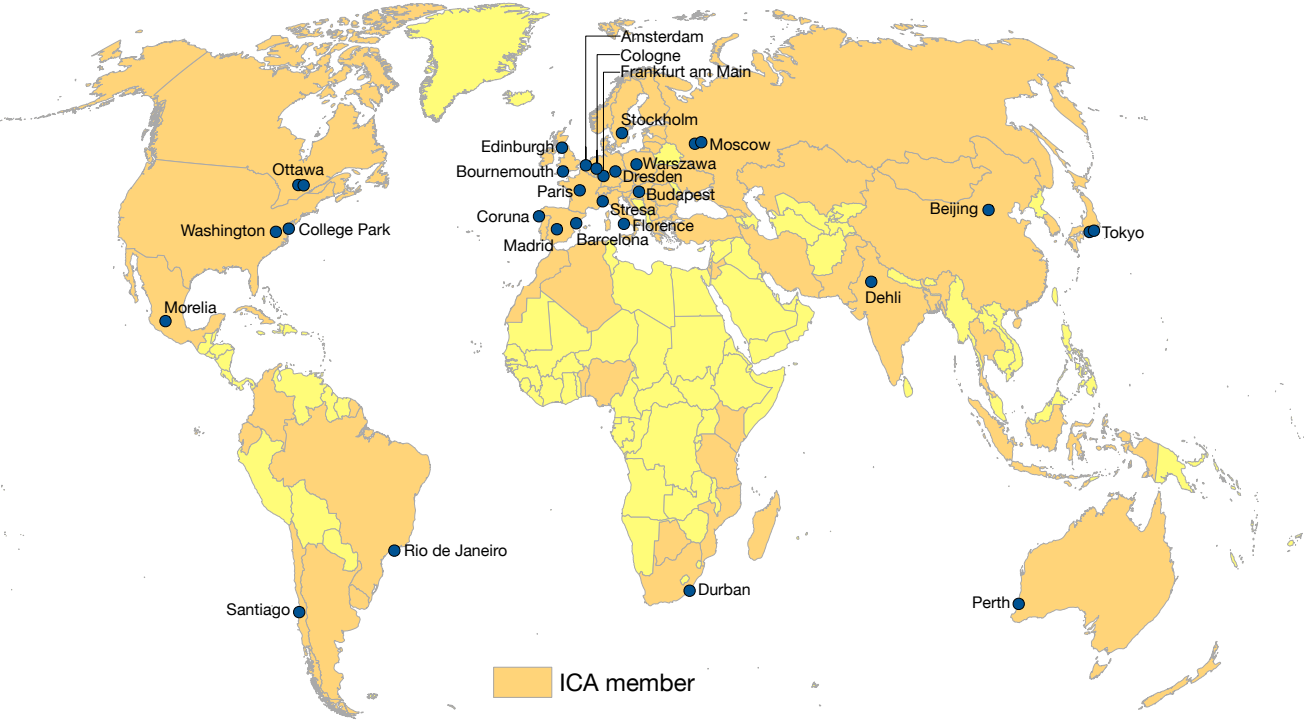
- ICA as organization
- ICA at work: current focus

- Cooperation with EuroSDR

Organization



ICA's Members and International Cartographic Conferences



- 1962 Frankfurt am Main
- 1964 London/Edinburgh
- 1967 Amsterdam
- 1968 Dehli
- 1970 Stresa
- 1972 Ottawa
- 1974 Madrid
- 1976 Moscow
- 1978 College Park
- 1980 Tokyo
- 1982 Warszawa
- 1984 Perth
- 1987 Morelia
- 1989 Budapest
- 1991 Bournemouth
- 1993 Cologne
- 1995 Barcelona
- 1997 Stockholm
- 1999 Ottawa
- 2001 Beijing
- 2003 Durban
- 2005 Coruna
- 2007 Moscow
- 2009 Santiago
- 2011 Paris
- 2013 Dresden
- 2015 Rio de Janeiro
- 2017 Washington
- 2019 Tokyo
- 2021 Florence

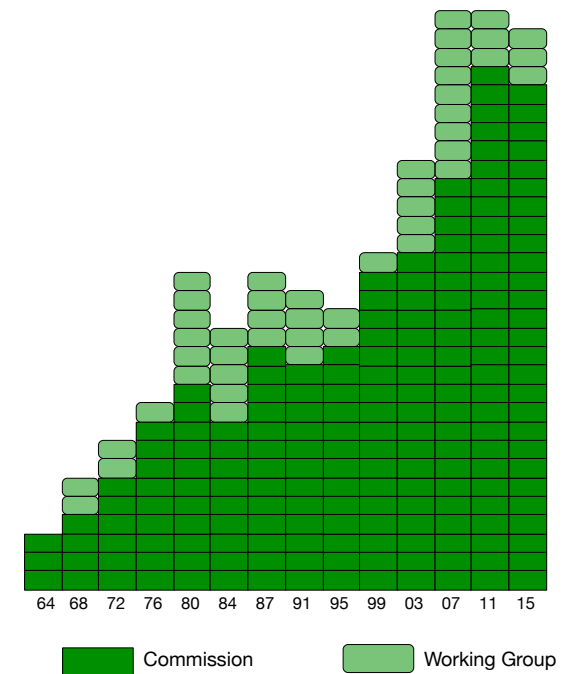
The Commissions and Working Groups over time

Commission are proposed and elected by General Assembly

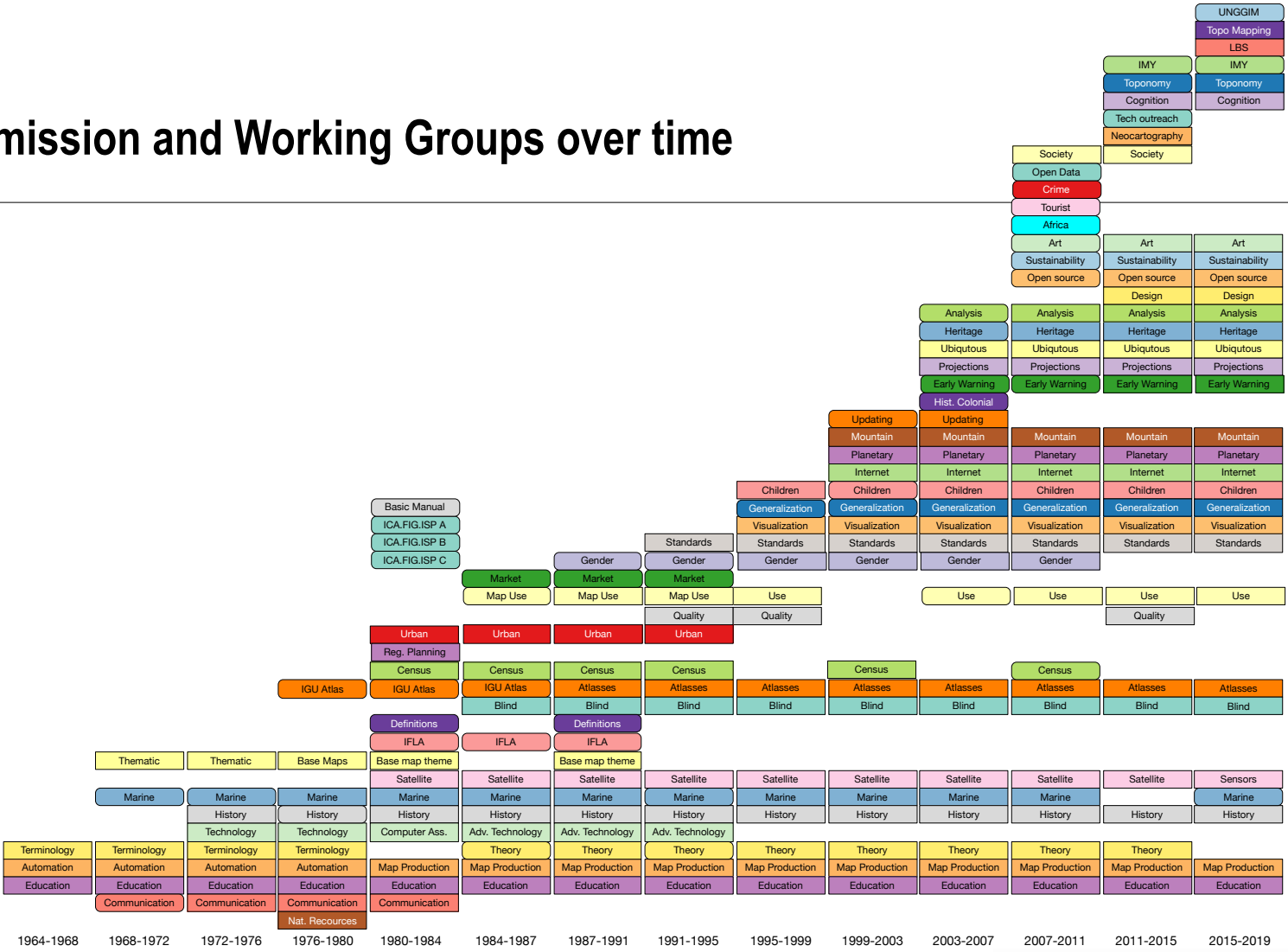
- Commissions are core to ICA's success
- Commissions follow their ToR to reach ICA's objectives
- Commissions act globally
- Commissions might execute specific ICA tasks incorporated in their ToR

Working Groups are installed by EC and focus on topic

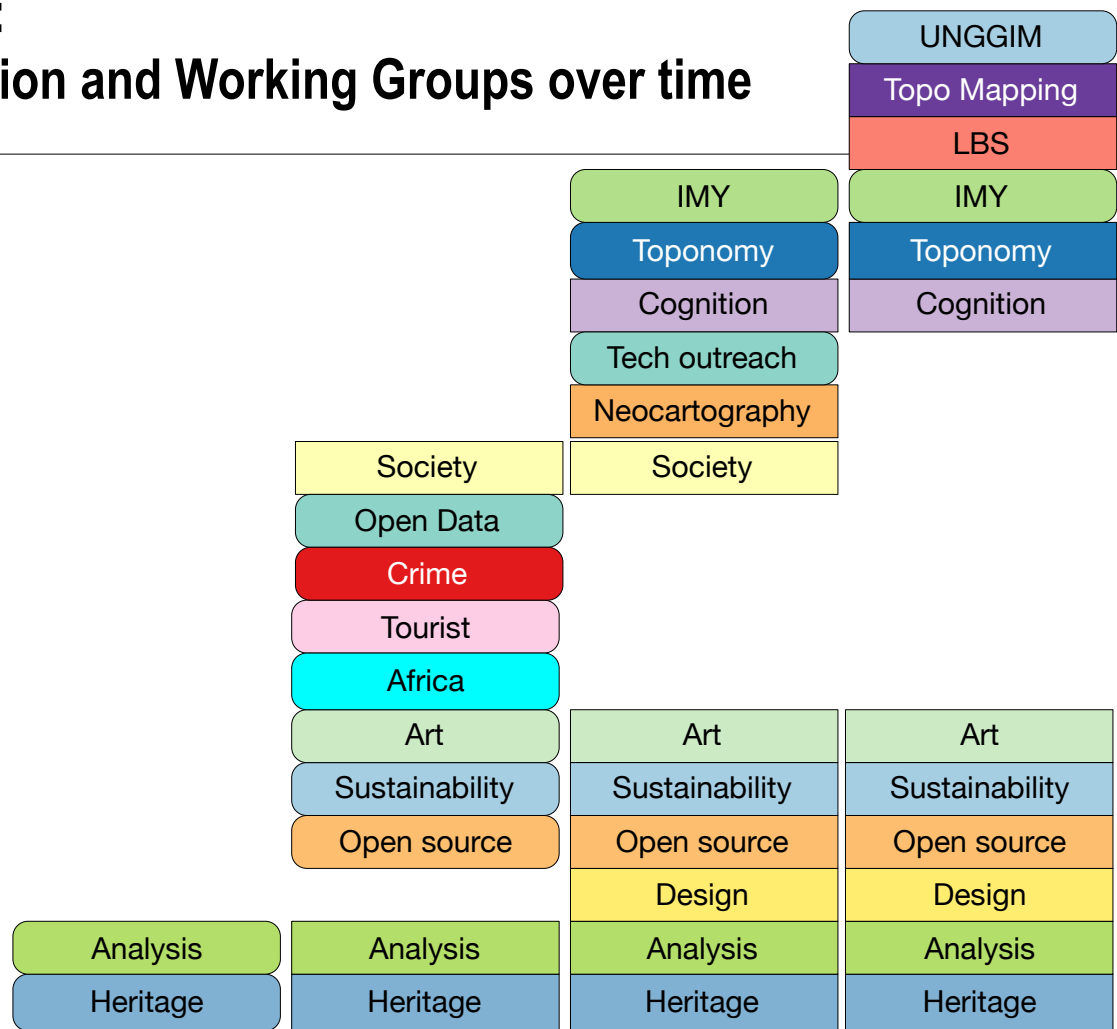
- IYM; BoK, SDGs



Commission and Working Groups over time



ZOOM-IN: Commission and Working Groups over time



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2003-2007

2007-2011

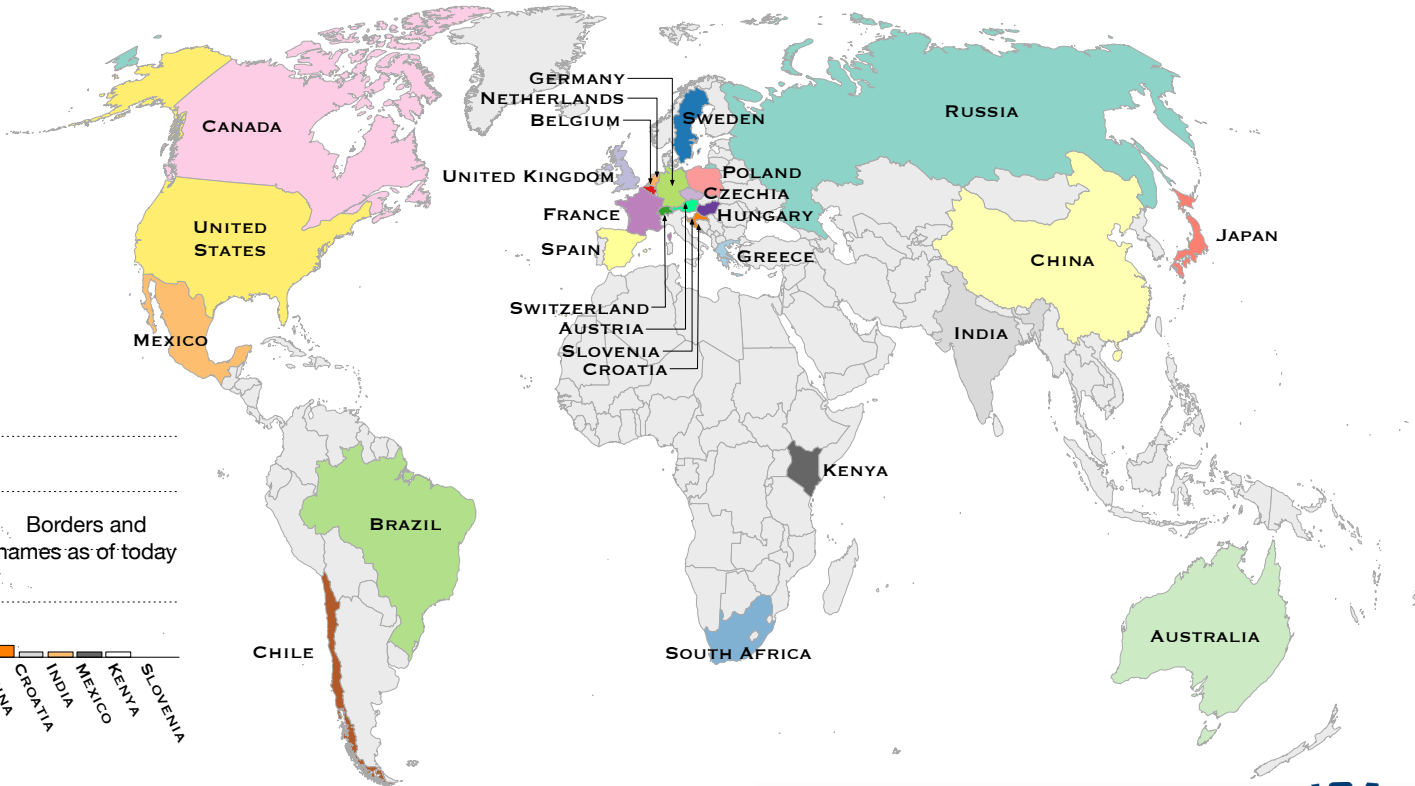
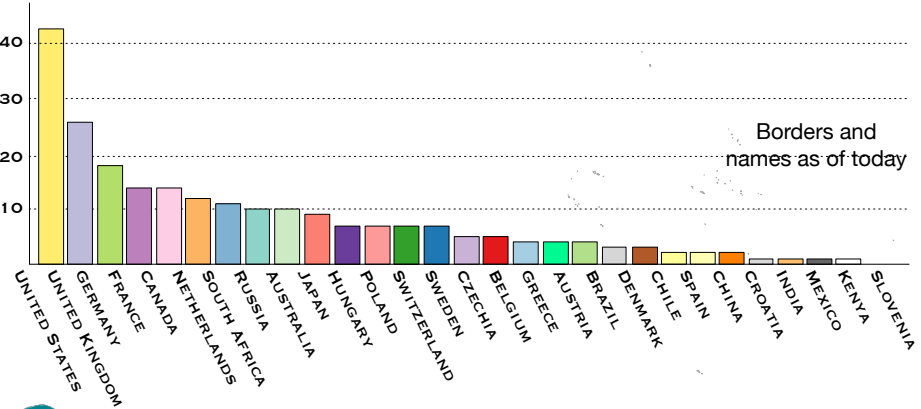
2011-2015

2015-2019

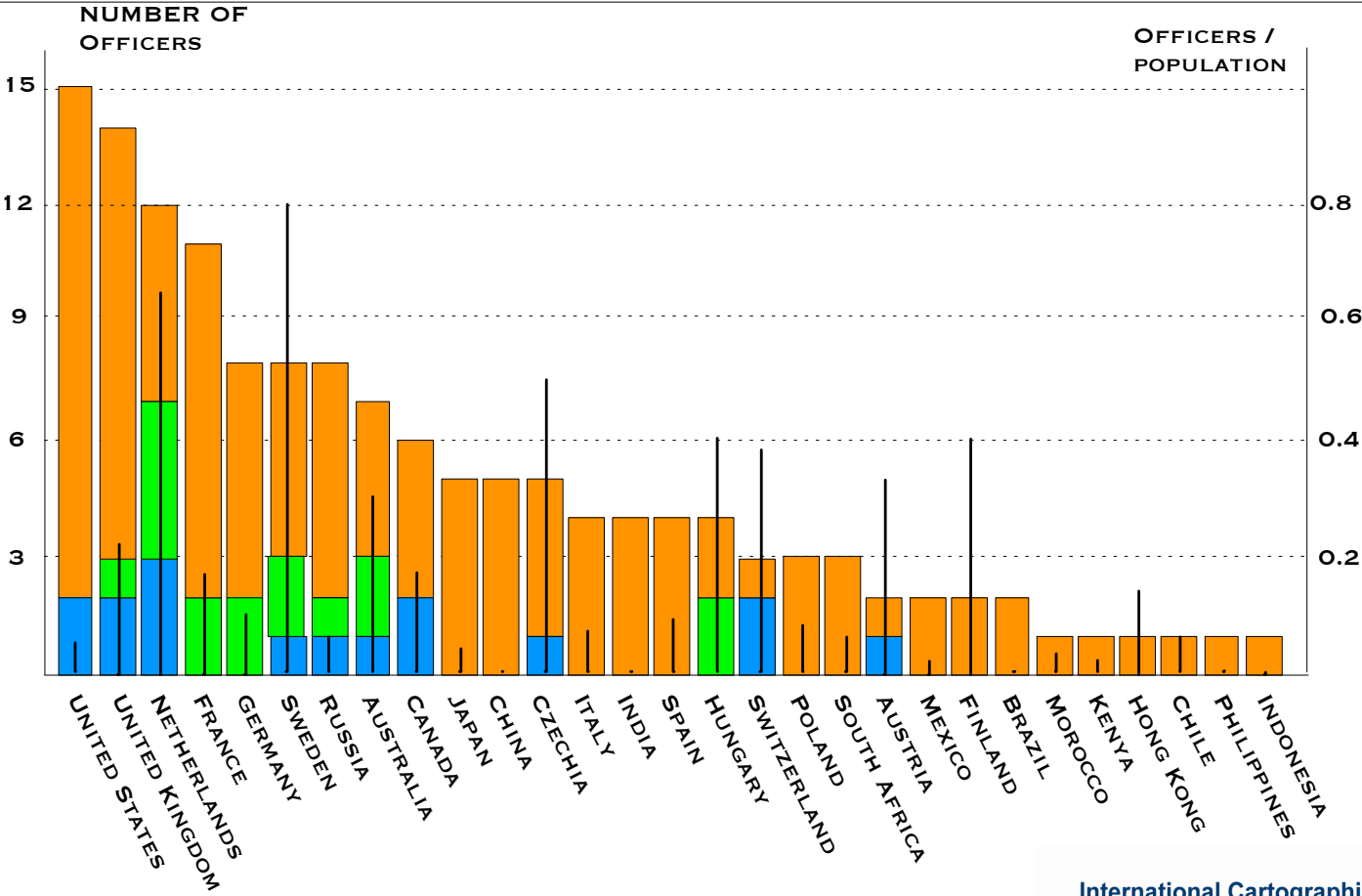
International Cartographic Association
Association Cartographique Internationale



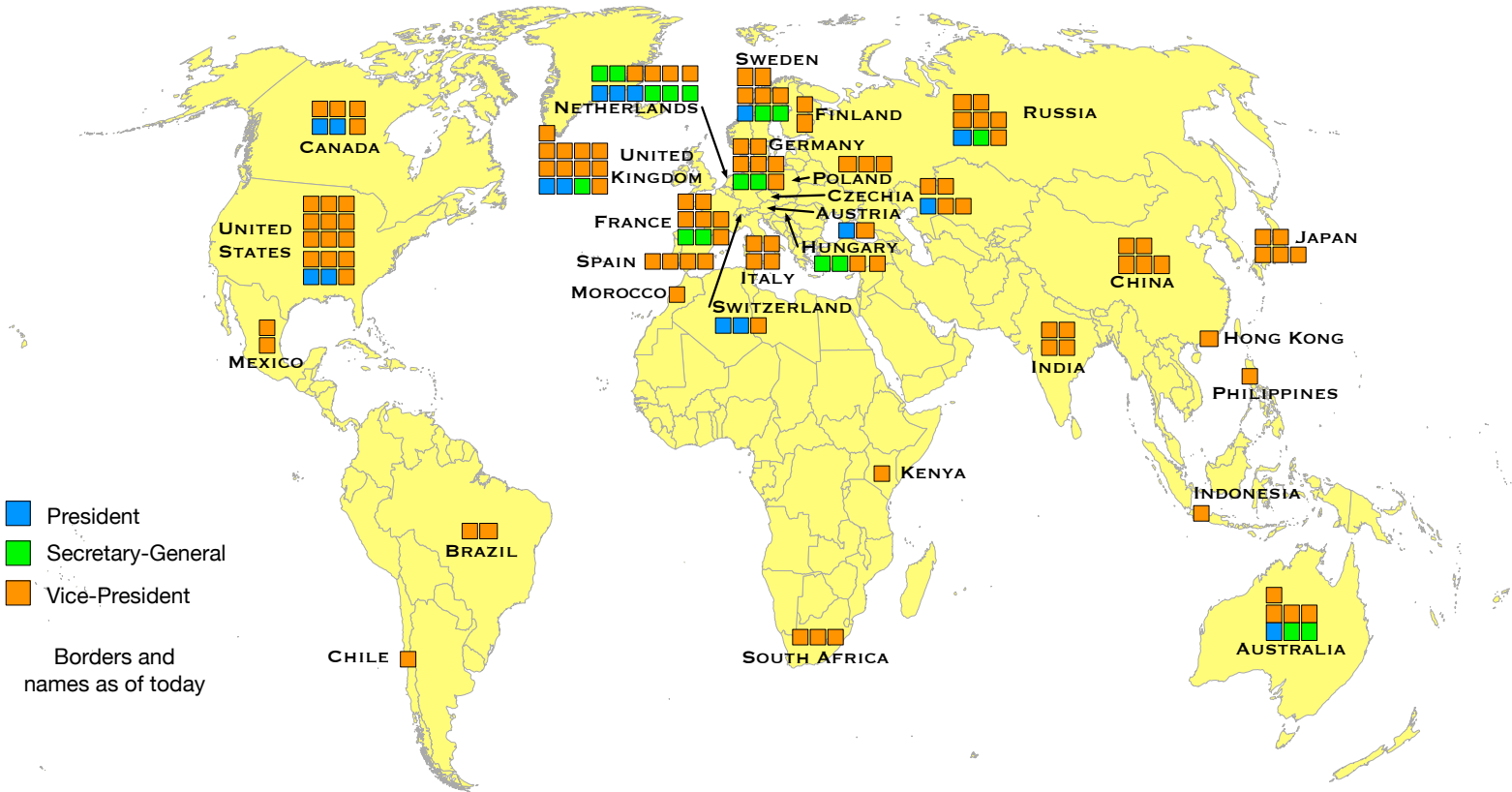
Origin of Commission and Working Group Chairs



Number of Executive Committee members by country

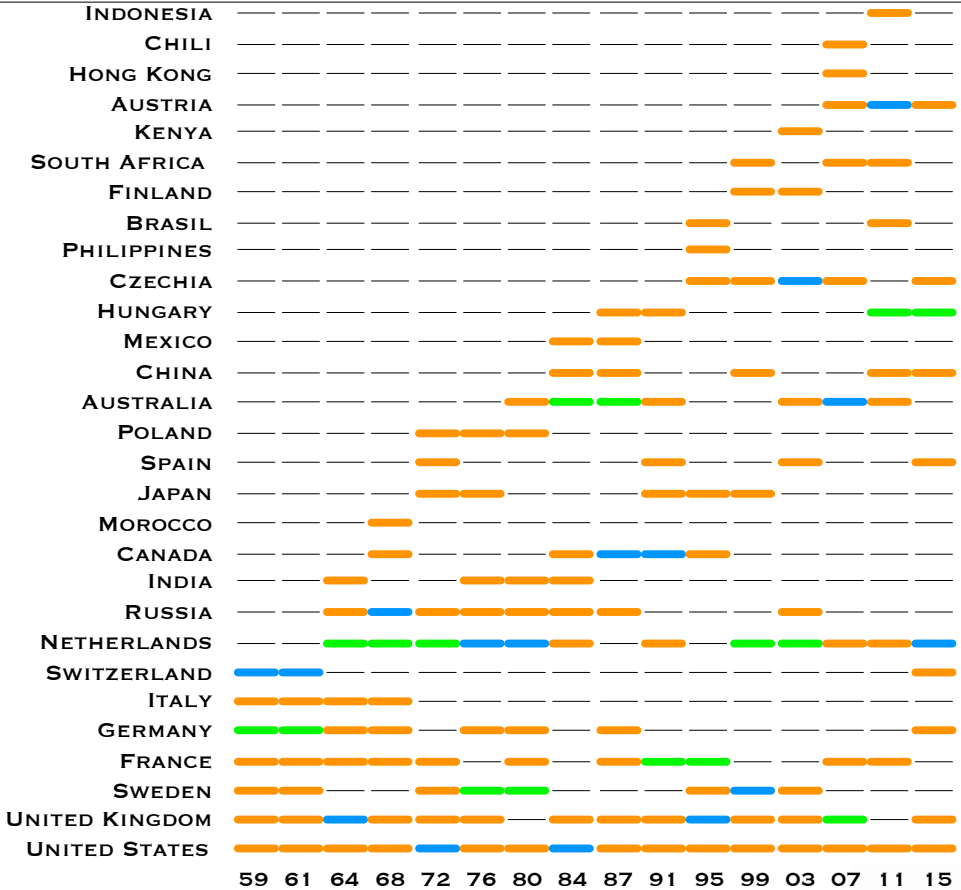


Location Executive Committee members over time



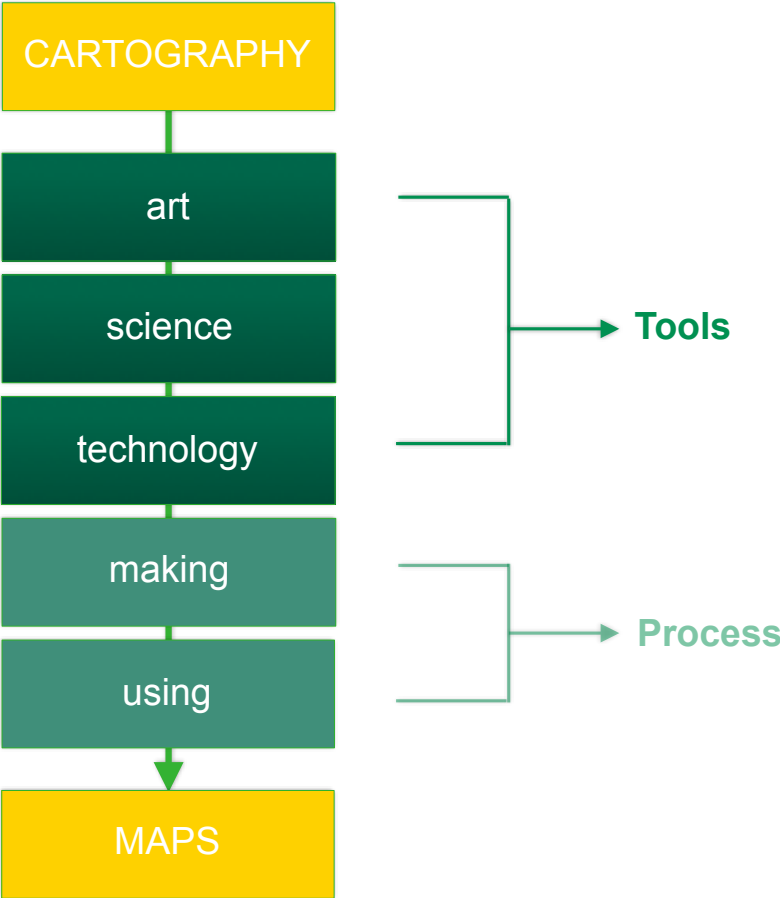
■ President
■ Secretary-General
■ Vice-President
 Borders and names as of today

Executive Committee members by country over time

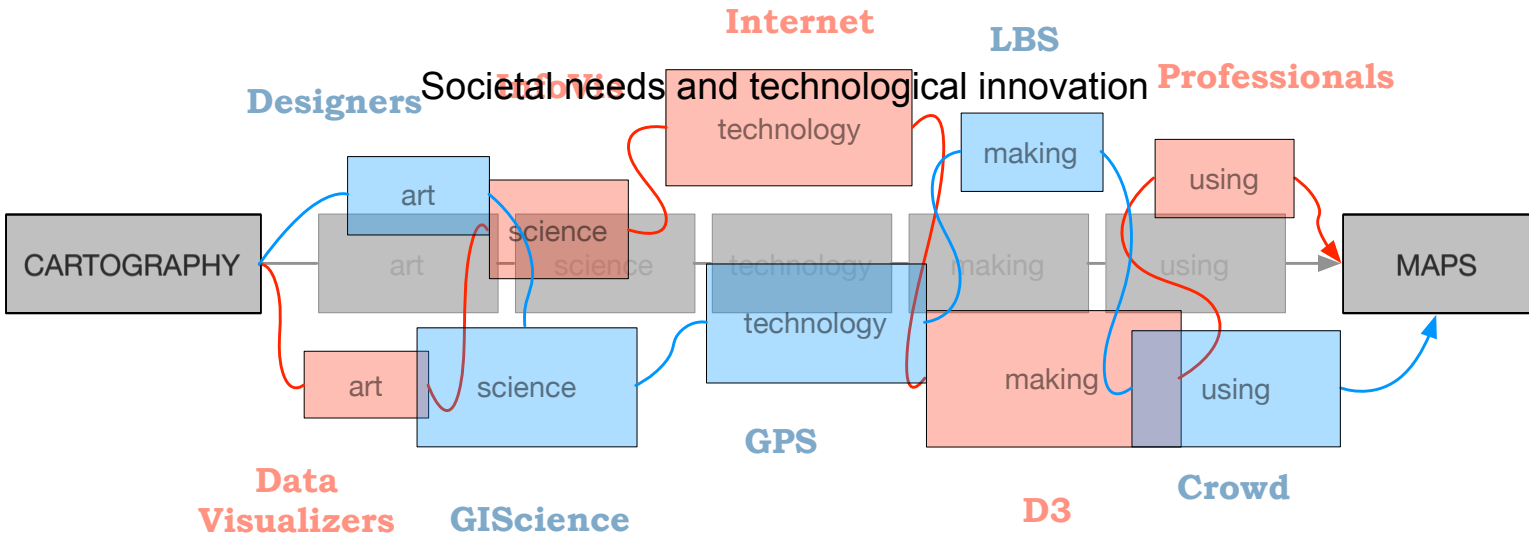


Kraak, M.J. & S.I. Fabrikant /
 Of Maps, Cartography, and
 the Geography of the
 International Cartographic
 Association (submitted ICY) /
 Data collected by Data: Igor
 Drecki / University of
 Auckland (NZ)

Cartography and maps



Sustainability of the definition



Maps

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

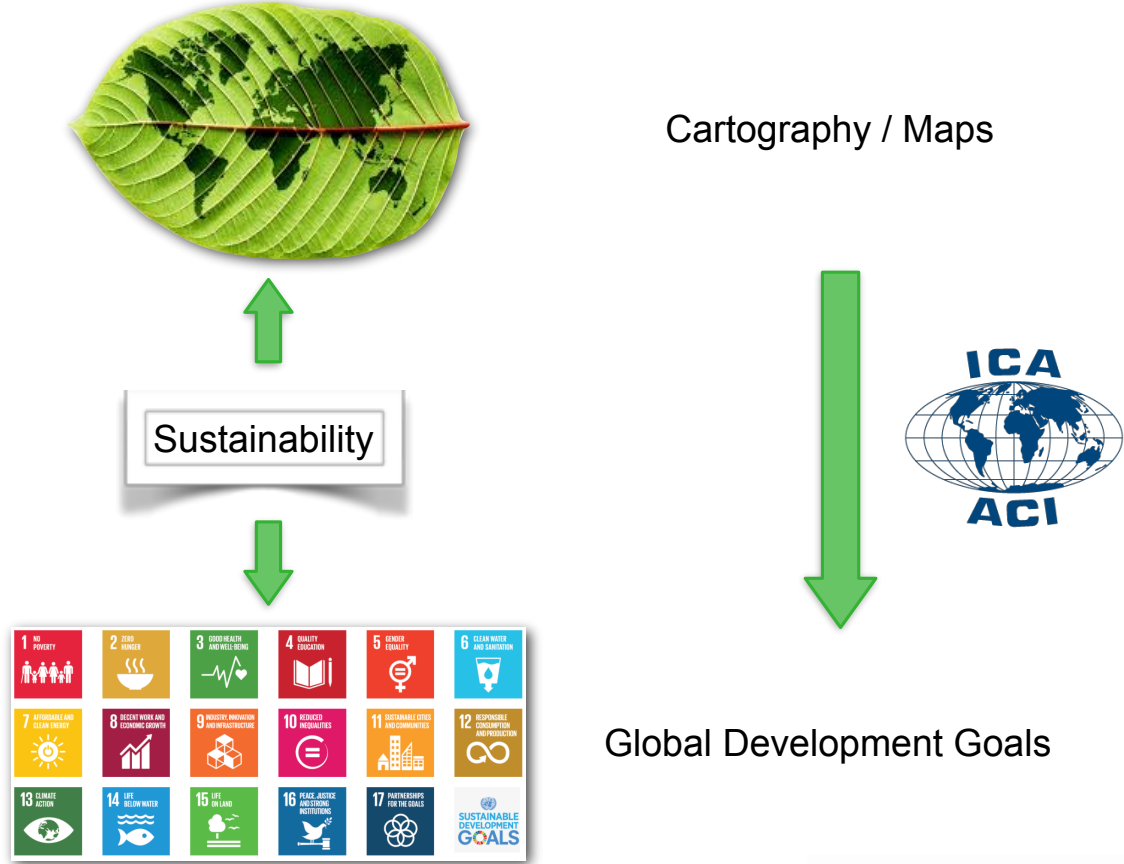
International Cartographic Association
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Focus



What about Maps and Sustainability



What we did

14 LIFE BELOW WATER

THE GLOBAL GOALS
For Sustainable Development

Target
Goal 14 targets include reducing marine pollution, strengthening ecosystem resilience, restoring habitats, reducing acidification, ending overfishing, conservation and improving research.

Indicator
Numerous indicators provide a way of assessing the extent to which targets are met. This poster illustrates a range of indicators and how different designs can support understanding and the overall goal.

TRADITIONAL MAPS
When we think of traditional maps, we think of flat, two-dimensional representations. They contain a wealth of information but often remain important only in their physical form. Mapping the world requires different products, in different formats, to meet different needs and models. This poster illustrates the utility in sustainable development.

INTERACTIVE CARTOGRAPHY
Oceans are inherently three-dimensional with much of it yet to be fully explored. By creating interactive 3D cartographic representations, such as this model of sediment and geological analysis for Monterey Bay Canyon or the interactive map of ocean currents, we offer a unique, immersive and fascinating insight into the world below water.

MAPPING MEASUREMENTS
Sea Surface Temperature is a key climate and weather measurement used for weather prediction, ocean forecasts, tropical cyclone forecasts, and in coastal applications such as fisheries, pollution monitoring and tourism. El Niño and La Niña are two examples of climate events which are forecast through the use of sea surface temperature maps.

MAP DESIGN MAKES A DIFFERENCE
Map design makes a difference because it is key to effective communication.

MAPPING THE HUMAN IMPACT
Commercial shipping activity can lead to ship strikes of large animals, noise pollution, and a risk of ship groundings or sinkings. Ships from many countries voluntarily participate in collecting meteorological



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At the UN-GGIM



What we plan

- Basics
- Do's/don'ts
- How?
- Role of



Mapping a sustainable world

Geospatial knowledge platforms: Empowering the SDGs through maps

Offer guidelines and best practices for mapping the UN SDGs to...

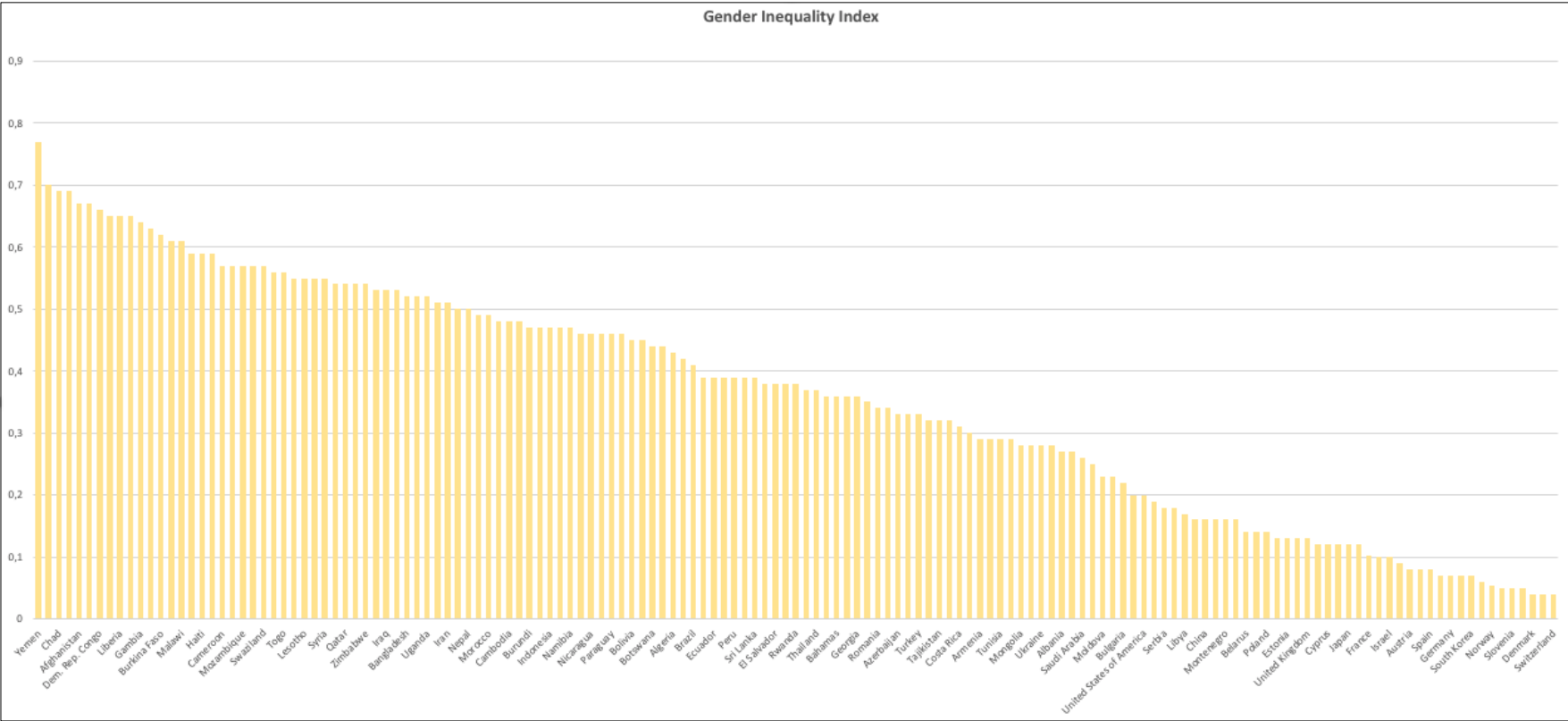
- best support the SDGs through Cartography with help of the cartographic community
- transfer knowledge and expertise the book *Mapping a sustainable world* and various training related activities



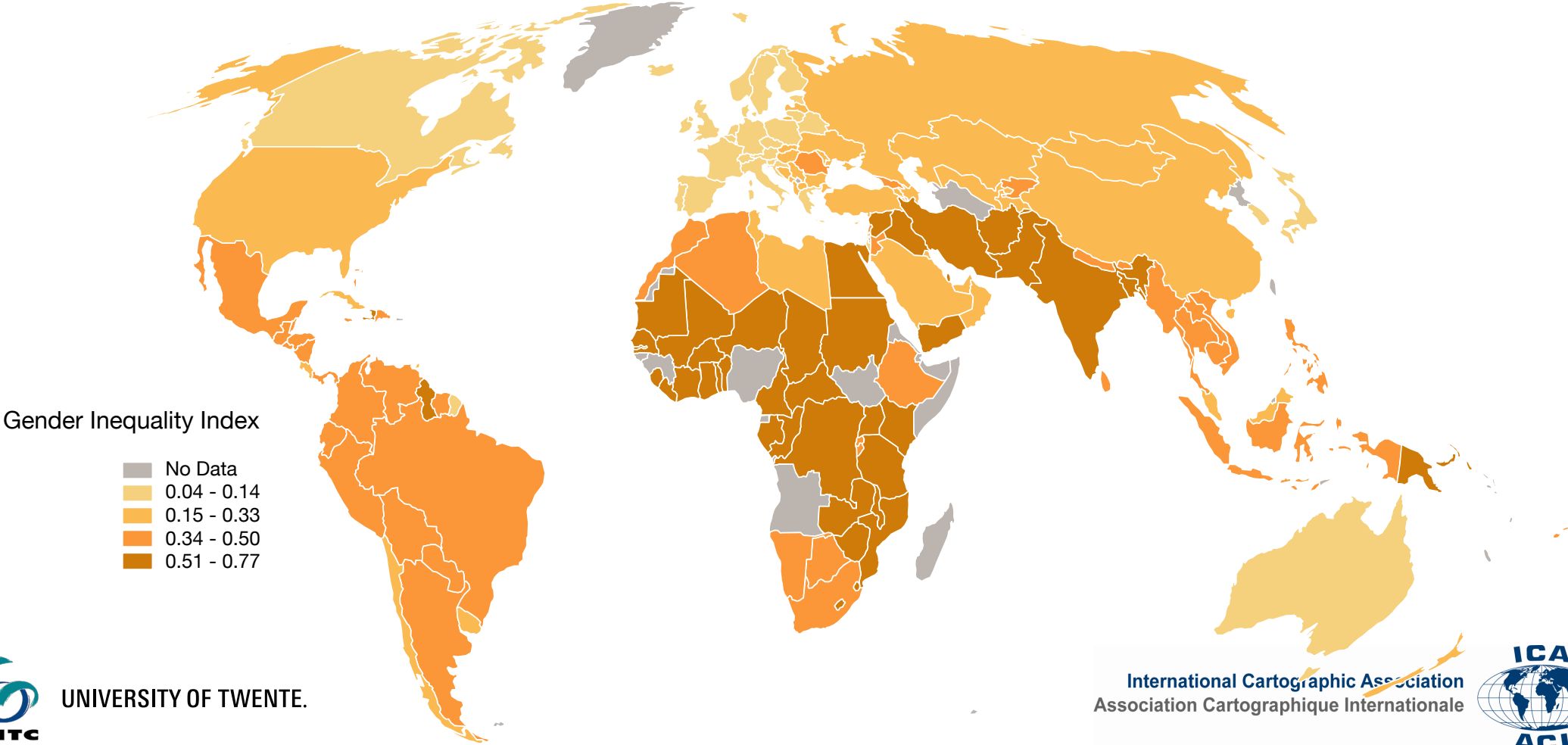
An example: Gender inequality index

Name	GI index	Name	GI index	Name	GI index	Name	GI index	Name	GI index	Name	GI index
Afghanistan	0,67	Cote d'Ivoire	0,67	Guinea	-	Kuwait	0,33	Norway	0,05	Serbia	0,18
Angola	-	Cameroon	0,57	Gambia	0,64	Laos	0,47	Nepal	0,50	Suriname	0,45
Albania	0,27	Dem. Rep. Congo	0,66	Guinea-Bissau	-	Lebanon	0,38	New Zealand	0,16	Slovakia	0,18
United Arab Emirates	0,23	Congo	0,59	Eq. Guinea	-	Liberia	0,65	Oman	0,28	Slovenia	0,05
Argentina	0,36	Colombia	0,39	Greece	0,12	Libya	0,17	Pakistan	0,55	Sweden	0,05
Armenia	0,29	Costa Rica	0,31	Greenland	-	Sri Lanka	0,39	Panama	0,46	Swaziland	0,57
Australia	0,12	Cuba	0,30	Guatemala	0,49	Lesotho	0,55	Peru	0,39	Syria	0,55
Austria	0,08	N. Cyprus	-	Guyana	0,51	Lithuania	0,12	Philippines	0,44	Chad	0,69
Azerbaijan	0,33	Cyprus	0,12	Honduras	0,46	Luxembourg	0,07	Papua New Guinea	0,59	Togo	0,56
Burundi	0,47	Czechia	0,13	Croatia	0,14	Latvia	0,19	Poland	0,14	Thailand	0,37
Belgium	0,07	Germany	0,07	Haiti	0,59	Morocco	0,49	Puerto Rico	-	Tajikistan	0,32
Benin	0,61	Djibouti	-	Hungary	0,25	Moldova	0,23	North Korea	-	Turkmenistan	-
Burkina Faso	0,62	Denmark	0,04	Indonesia	0,47	Madagascar	-	Portugal	0,09	Timor-Leste	-
Bangladesh	0,52	Dominican Rep.	0,47	India	0,53	Mexico	0,35	Paraguay	0,46	Trinidad and Tobago	0,32
Bulgaria	0,22	Algeria	0,43	Ireland	0,13	Macedonia	0,16	Palestine	-	Tunisia	0,29
Bahamas	0,36	Ecuador	0,39	Iran	0,51	Mali	0,69	Qatar	0,54	Turkey	0,33
Bosnia and Herz.	0,16	Egypt	0,57	Iraq	0,53	Myanmar	0,37	Romania	0,34	Taiwan	-
Belarus	0,14	Eritrea	-	Iceland	0,05	Montenegro	0,16	Russia	0,27	Tanzania	0,54
Belize	0,38	Spain	0,08	Israel	0,10	Mongolia	0,28	Rwanda	0,38	Uganda	0,52
Bolivia	0,45	Estonia	0,13	Italy	0,08	Mozambique	0,57	W. Sahara	-	Ukraine	0,28
Brazil	0,41	Ethiopia	0,50	Jamaica	0,42	Mauritania	0,63	Saudi Arabia	0,26	Uruguay	0,28
Brunei	-	Finland	0,06	Jordan	0,48	Malawi	0,61	Sudan	0,57	United States of America	0,20
Bhutan	0,48	Fiji	0,36	Japan	0,12	Malaysia	0,29	S. Sudan	-	Uzbekistan	0,29
Botswana	0,44	Falkland Is.	-	Kazakhstan	0,20	Namibia	0,47	Senegal	0,52	Venezuela	0,46
Central African Rep.	0,65	France	0,10	Kenya	0,56	New Caledonia	-	Solomon Is.	-	Vietnam	0,34
Canada	0,10	Gabon	0,54	Kyrgyzstan	0,39	Niger	0,70	Sierra Leone	0,65	Vanuatu	-
Switzerland	0,04	United Kingdom	0,13	Cambodia	0,48	Nigeria	-	El Salvador	0,38	Yemen	0,77
Chile	0,32	Georgia	0,36	South Korea	0,07	Nicaragua	0,46	Somaliland	-	South Africa	0,39
China	0,16	Ghana	0,55	Kosovo	-	Netherlands	0,04	Somalia	-	Zambia	0,53
										Zimbabwe	0,54

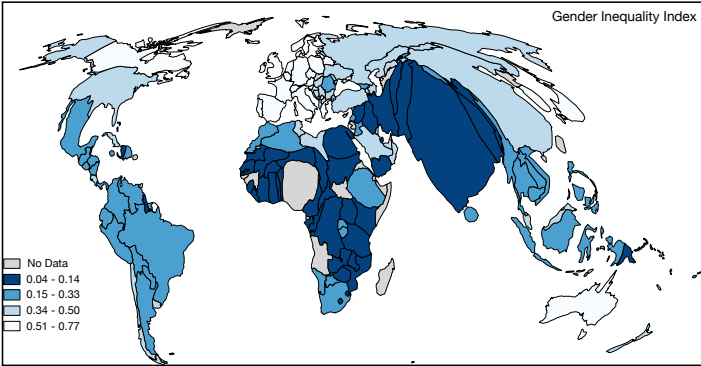
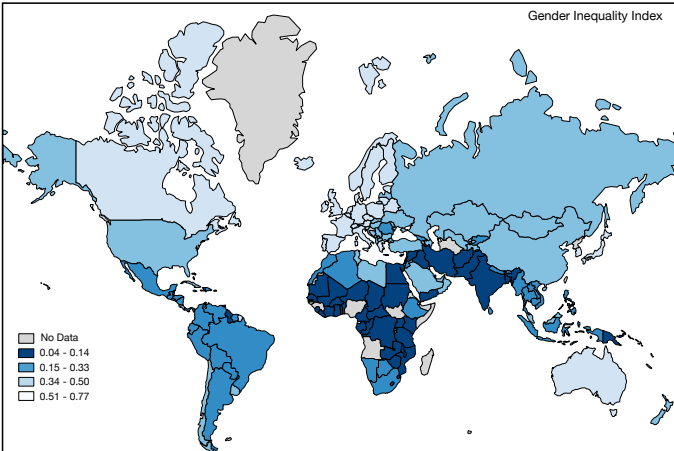
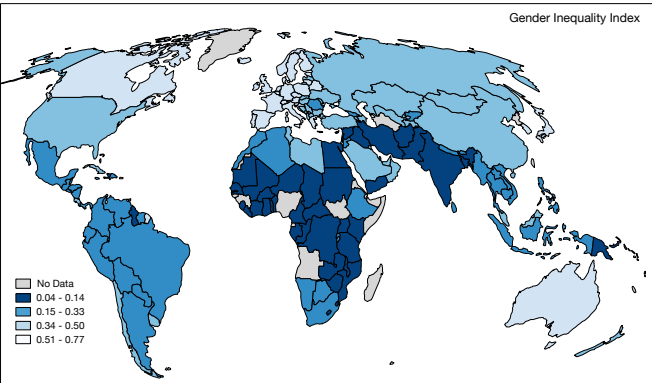
An example: Gender inequality index



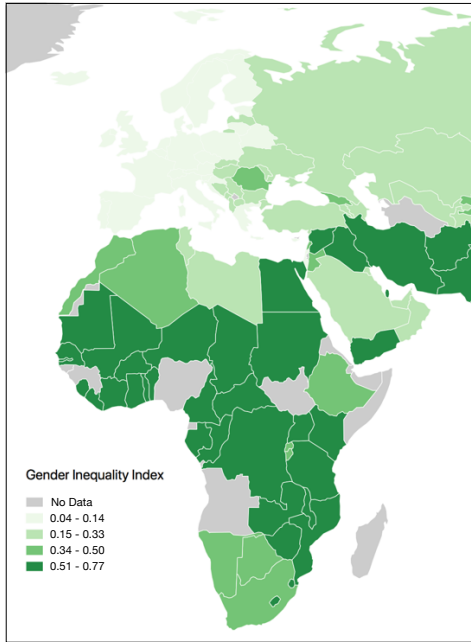
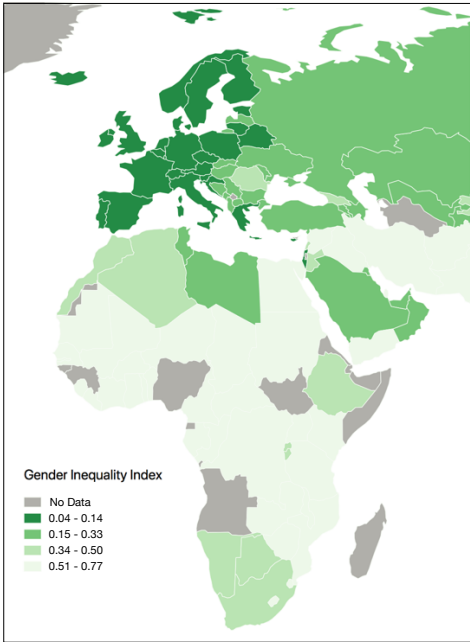
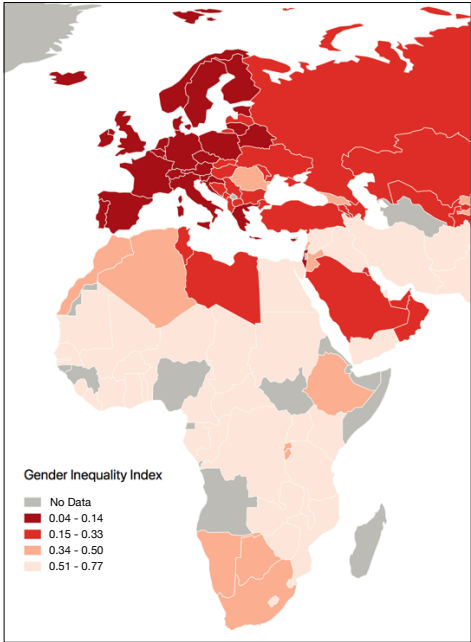
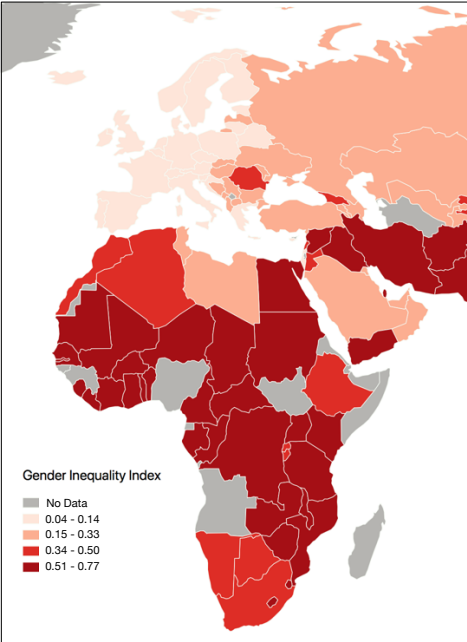
An example: Gender inequality index



Map projections



Choice of color - what do you want to tell?



The book

- The book is **not** intended as a cartographic textbook, nor an atlas of SDGs.
- The audience of the book is everyone with the need / interest to visualize spatial and temporal SDG patterns.
- The book will be designed in landscape mode, giving us the opportunity to reuse each page as a PowerPoint slide for training / education
- Deadline: juli 2019 (ICC Tokyo)



ICA & EuroSDR



EuroSDR commission keyword and ICA interests

- Commission 1: Data Acquisition
 - —
- Commission 2: Modelling and Processing
 - Multi-scale & generalization, geoprocessing, cartography (incl. web cartography), standards
- Commission 3: Updating and Integration
 - Crowd sourcing, heterogeneous information, data integration
- Commission 4: Information Usage
 - User demand analysis, services for distribution (WMS, WFS, WS etc.), geo analysis, visualization, mapping on demand
- Commission 5: Business Models and Operation
 - Open data
- Commission 6: Knowledge Transfer
 - Education, professional development, lifelong learning, shaping curricula, capacity building, Official publications, Website



Cooperation

Theory

- Just match the EuroSDR keywords with those in ICA Commission's Terms of Reference
- Bring people together and work

Practice

- ICA Commission work according their Terms of Reference
- In ICA execution is bottom up

Solution

- Stimulate common interest
- ...





Let's make the world a better place with maps