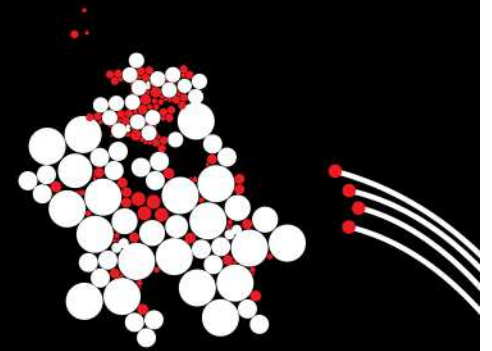


**UNIVERSITY OF TWENTE.**

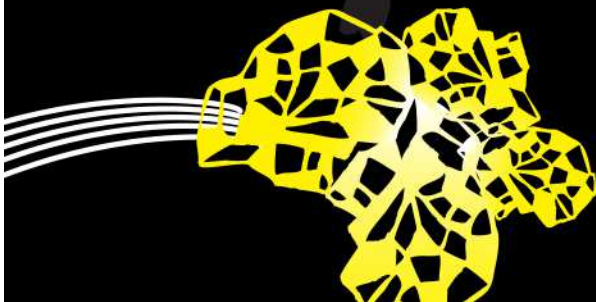
Faculty of Geoinformation Science and Earth Observation



**What do we see?**

**Key consideration while mapping SDG indicators**

Menno-Jan Kraak

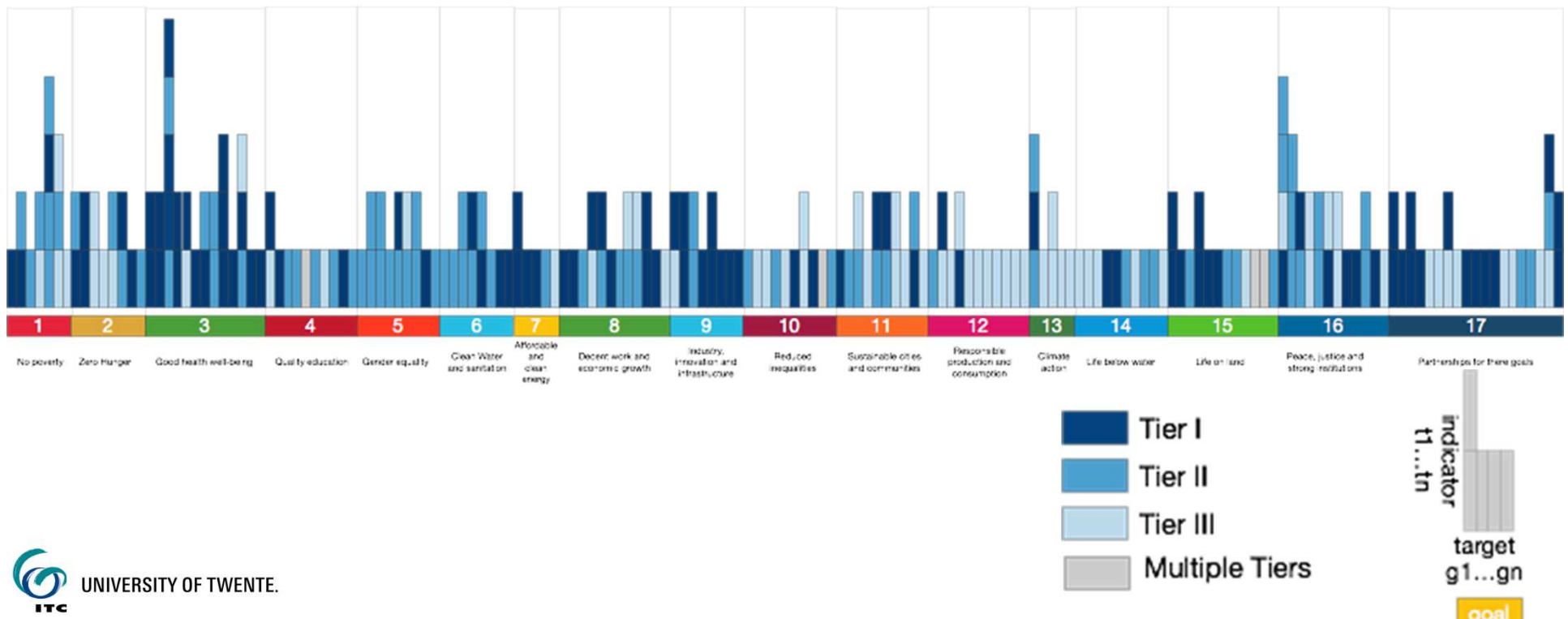


## What do we see?

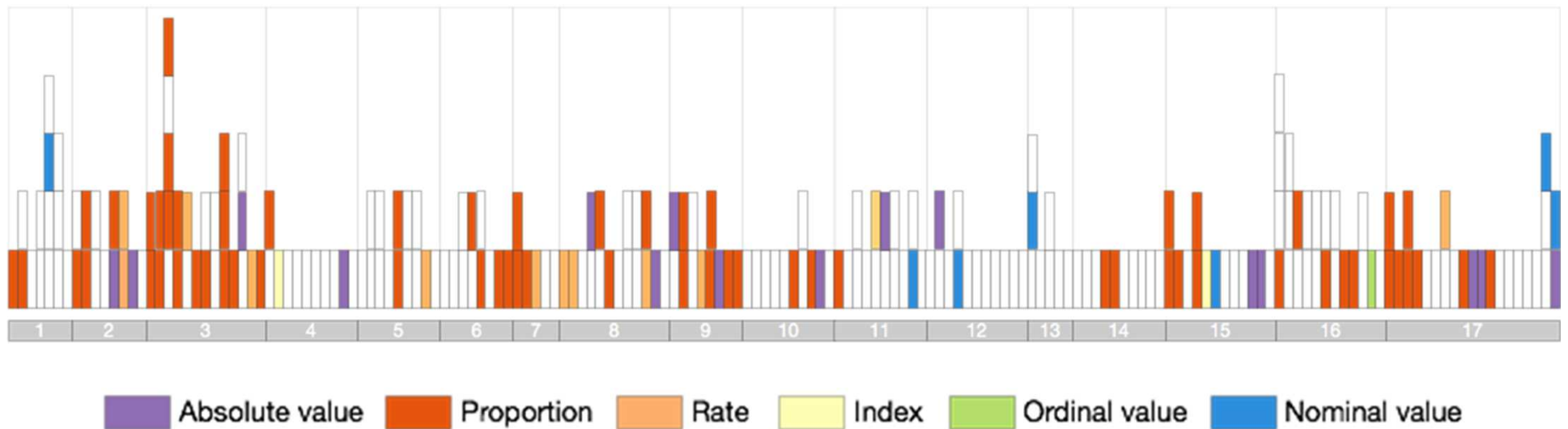
### Key consideration while mapping SDG indicators

- Context: Requirements and Enabling Tools for Implementing the SDGs in Urban Settings
- Indicators
  - To believe or not to believe
  - To see or not to see
  - What do we see
- Inequalities
  - space
  - theme

# Indicators and their TIER level



# Nature of the indicators

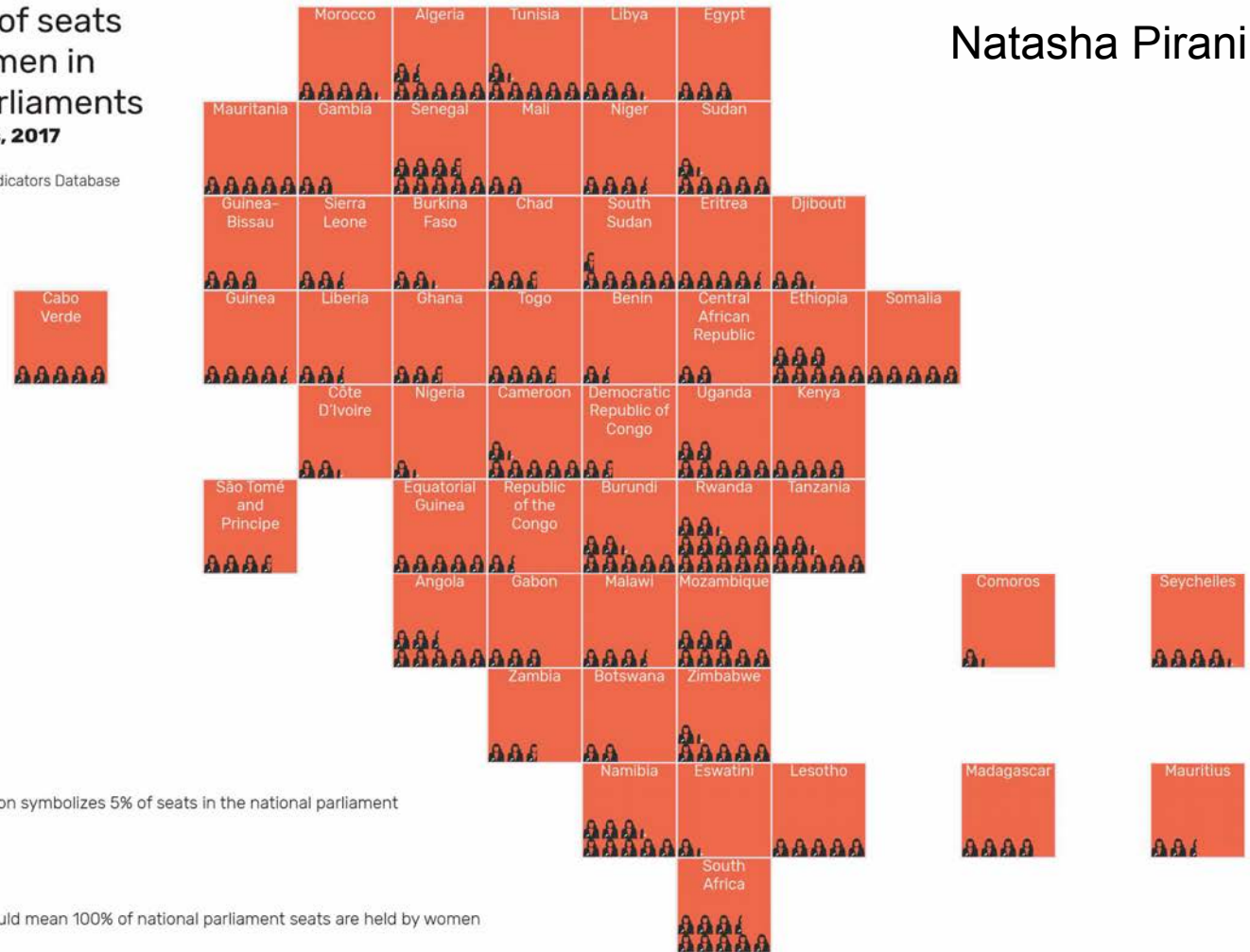


# Natasha Pirani



# Proportion of seats held by women in national parliaments African countries, 2017

Source: UN SDG Global Indicators Database

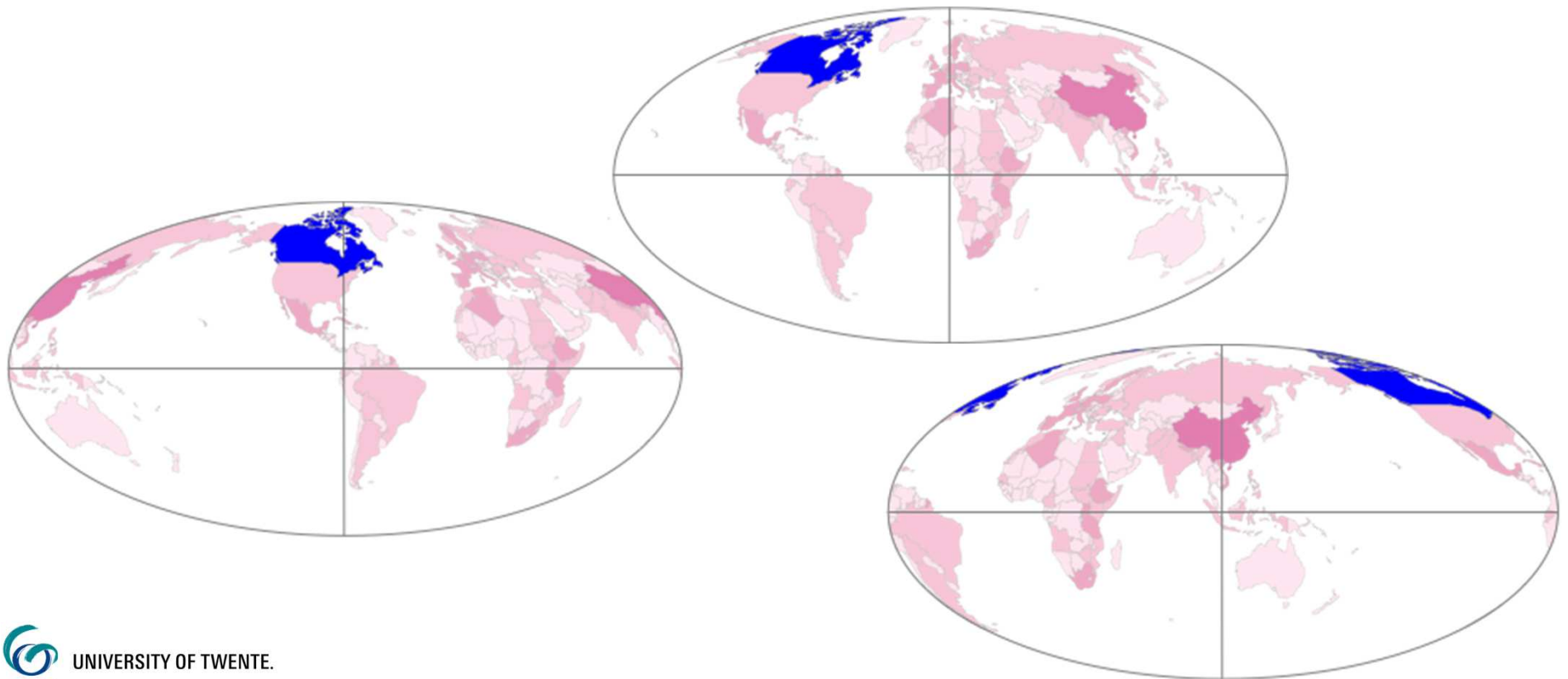


each icon symbolizes 5% of seats in the national parliament



this would mean 100% of national parliament seats are held by women

# Country shapes and a global perspective



# Population related topics

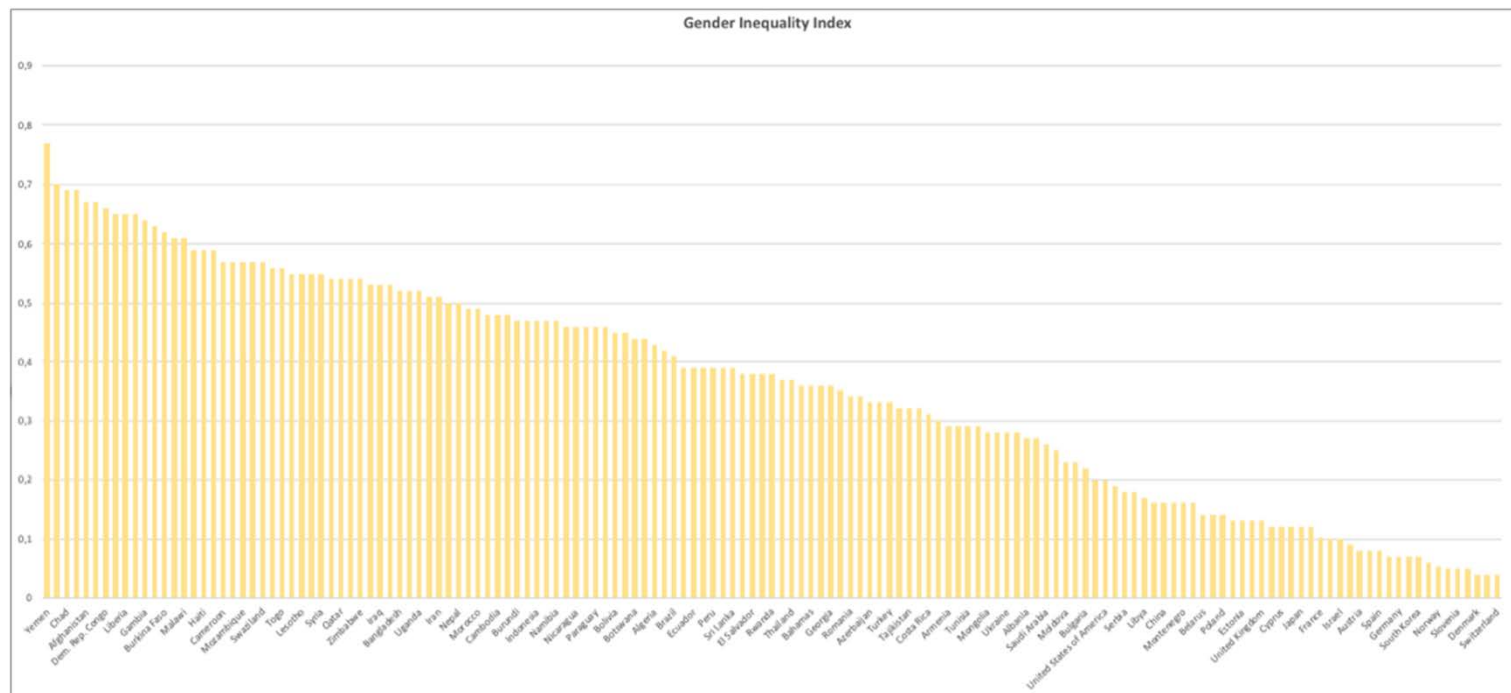




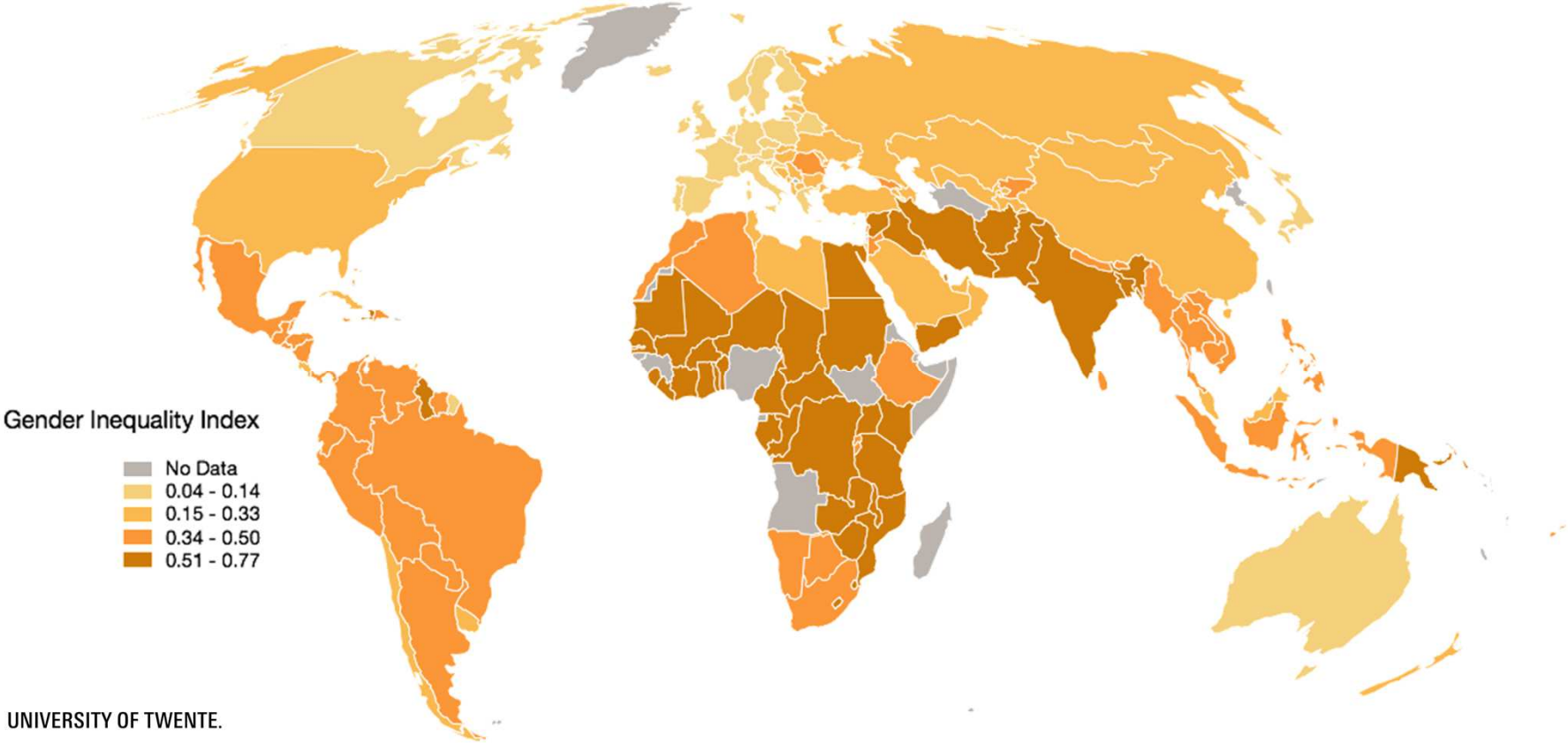
# Gender inequality index

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	Paraguay	0,35	Trinidad and Tobago	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

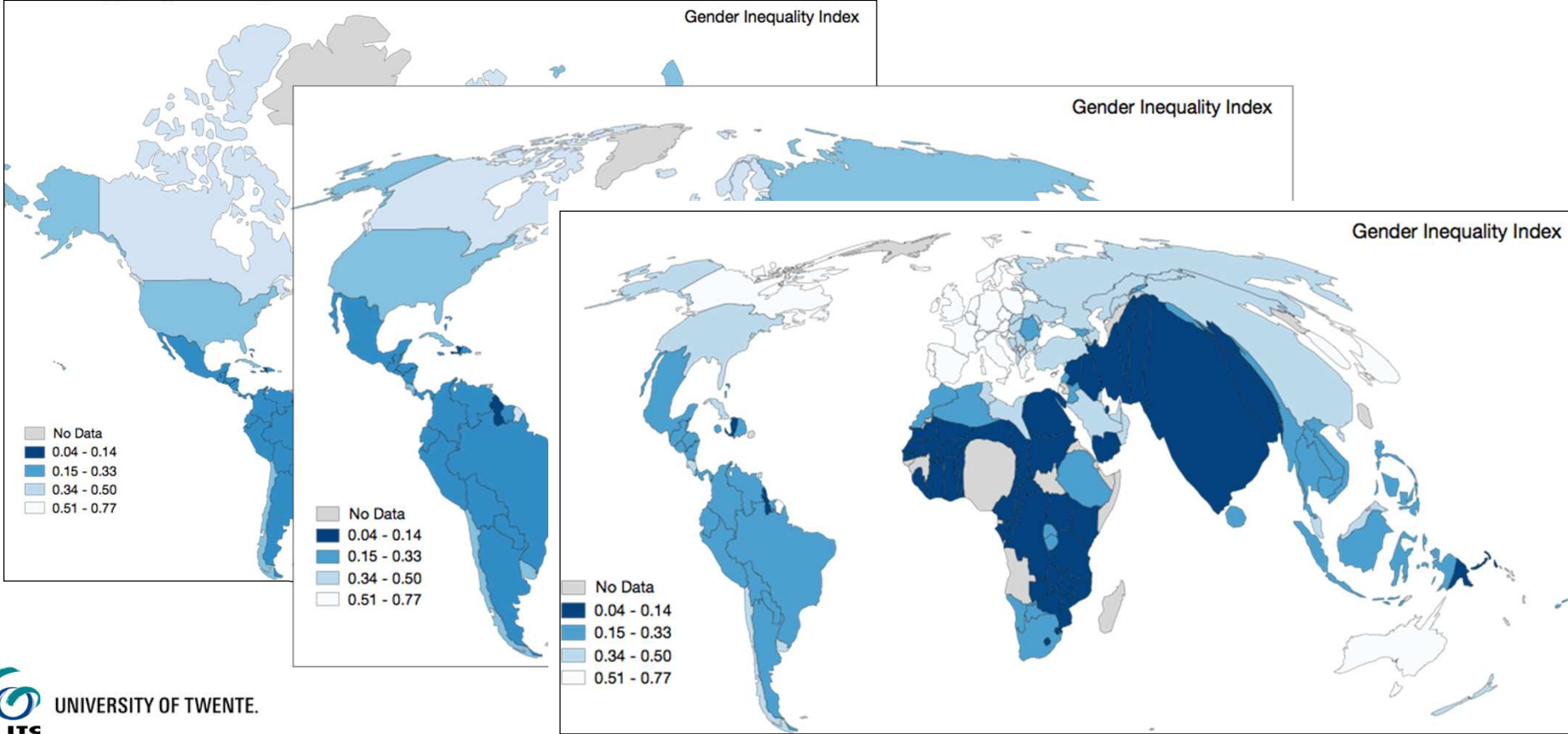
# Gender inequality index



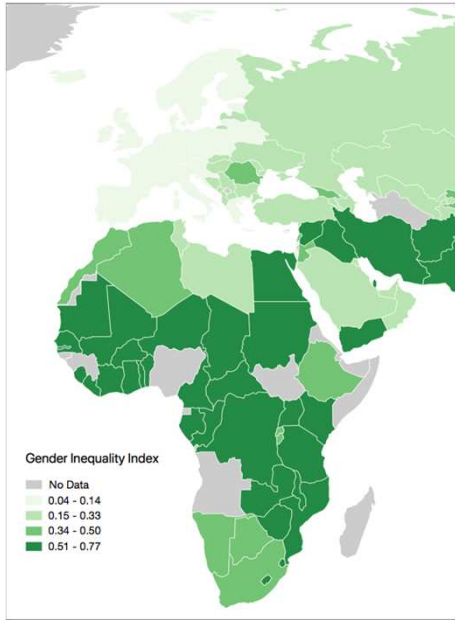
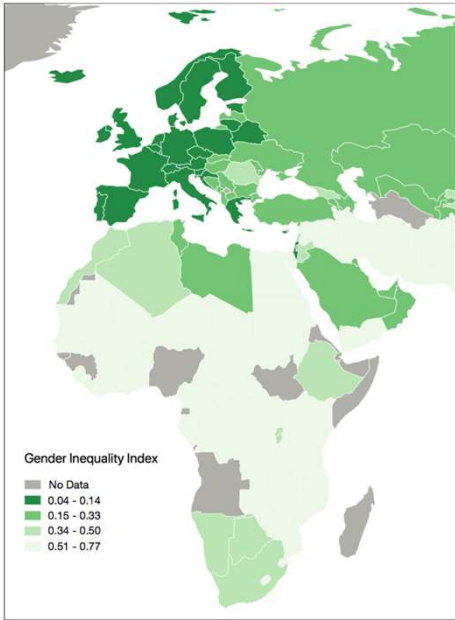
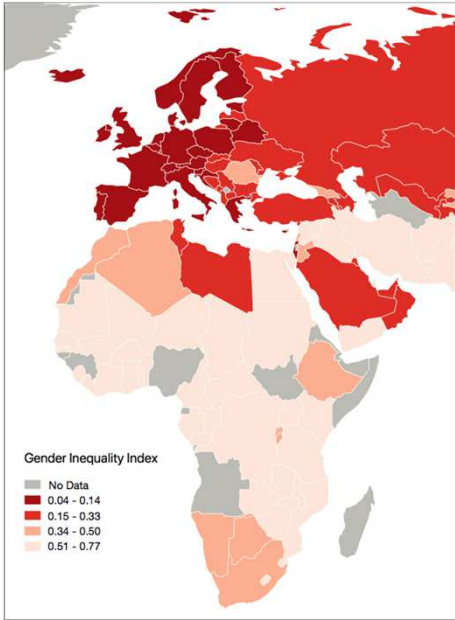
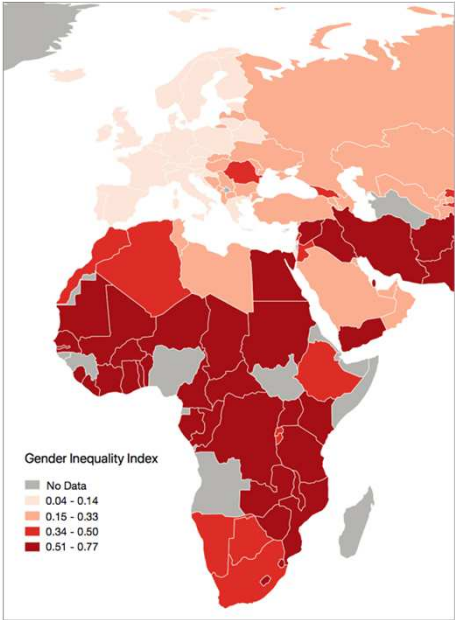
# Gender inequality index



# Map projections



# Choice of color - what do you want to tell?



# Let's make the world a better place with maps

The cartographic workflow is a chain of many decisions which have far wider implications than realized

Educate map makers

Train map users



Let's make the world a better place with maps