

The Atlas of Water and Health: an opportunity for informing the public on the reporting under the Protocol on Water and Health

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Health Promoting Water Management
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WORKSHOP ON INFORMATION AND PUBLIC PARTICIPATION
IN WATER AND HEALTH RELATED ISSUES
15-16 June 2010 Bucharest, Romania



Background

Protocol on Water and Health

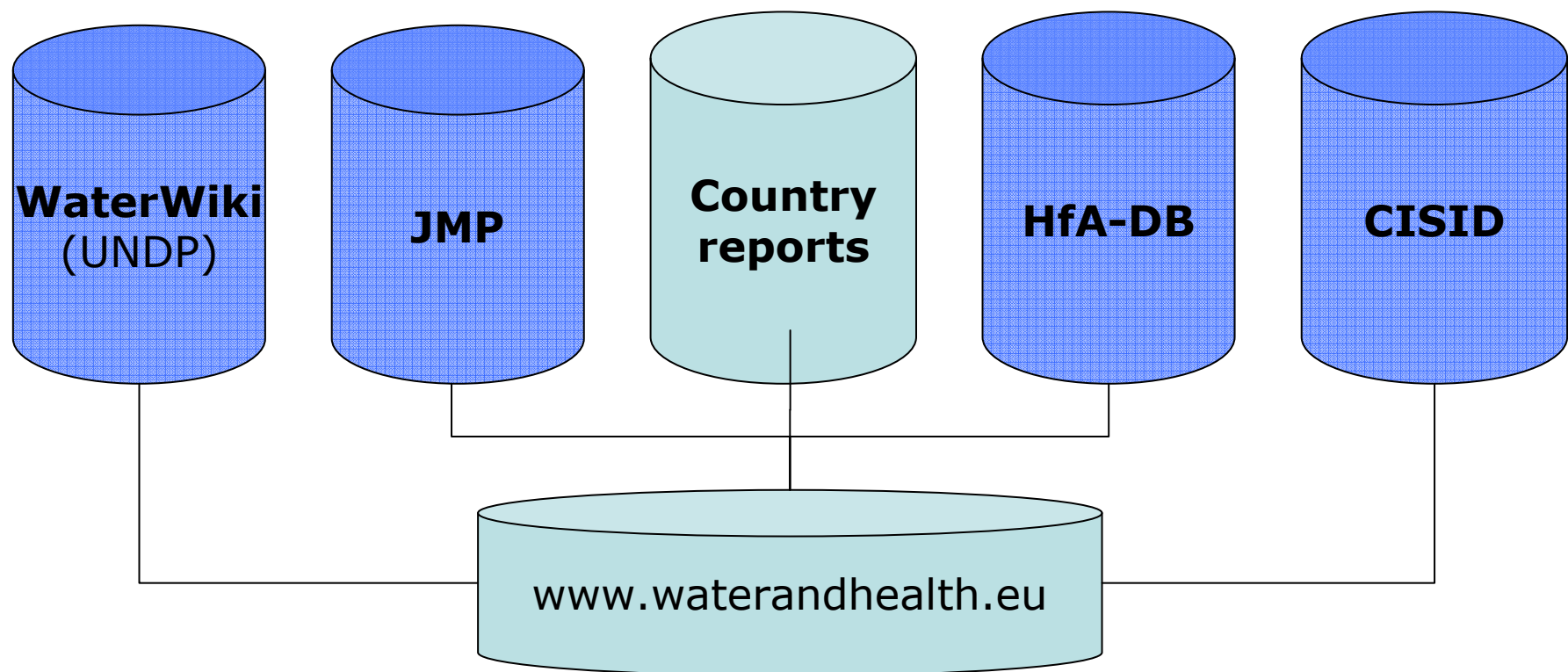
- Art. 6 Publish national/local targets
 - Art. 7 Review and Assessment of progress
 - Art. 10 Public information
-
- Development of country profiles for the EURO region
 - should cover information on drinking water and sanitation, water resources and water-related disease data
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- **Visualization?**
 - **Track of progress?**
 - **Information of the public?**



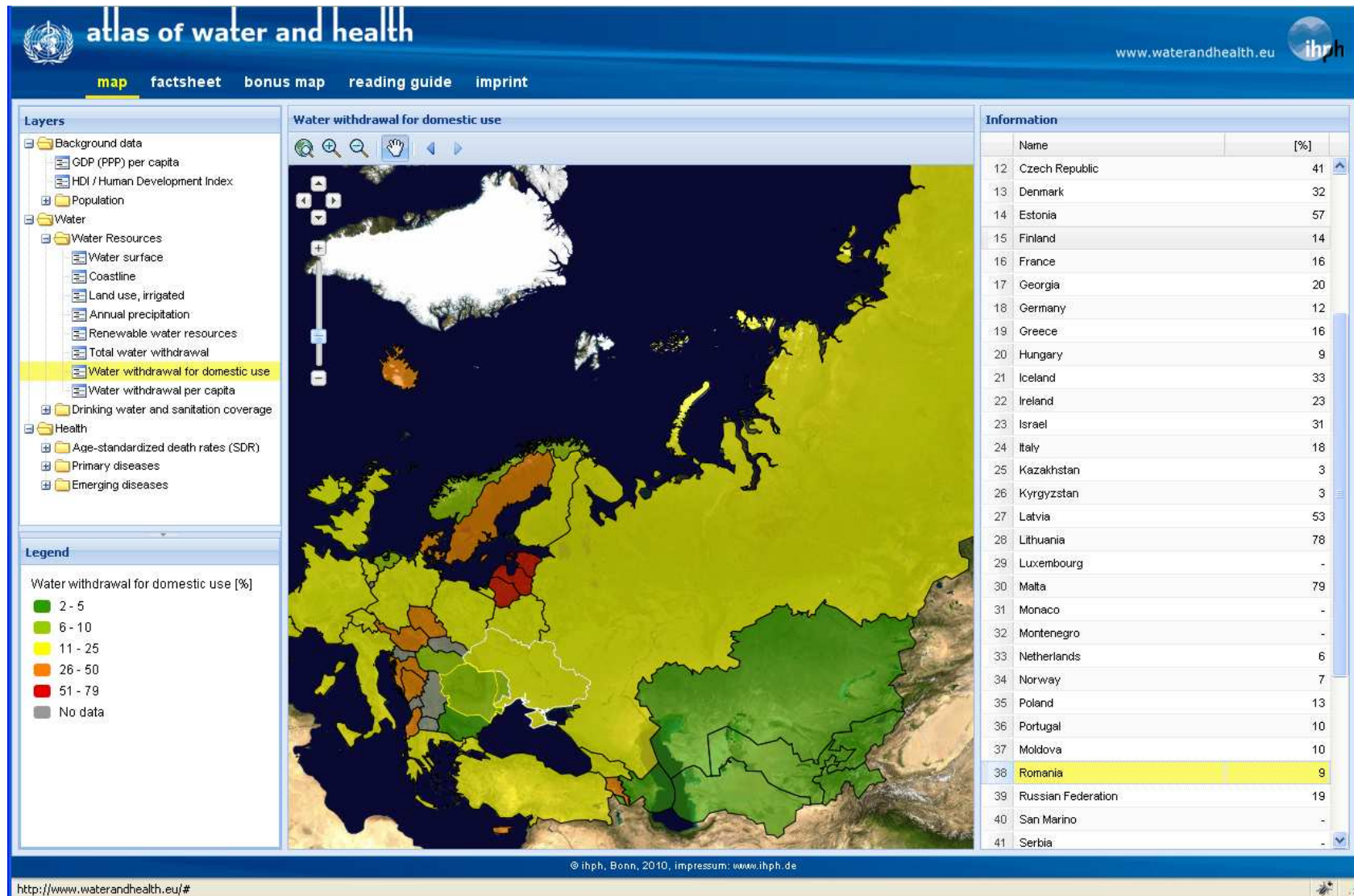
The Atlas of Water and Health

A User-friendly web-interface,
which presents data on water and health in an attractive way

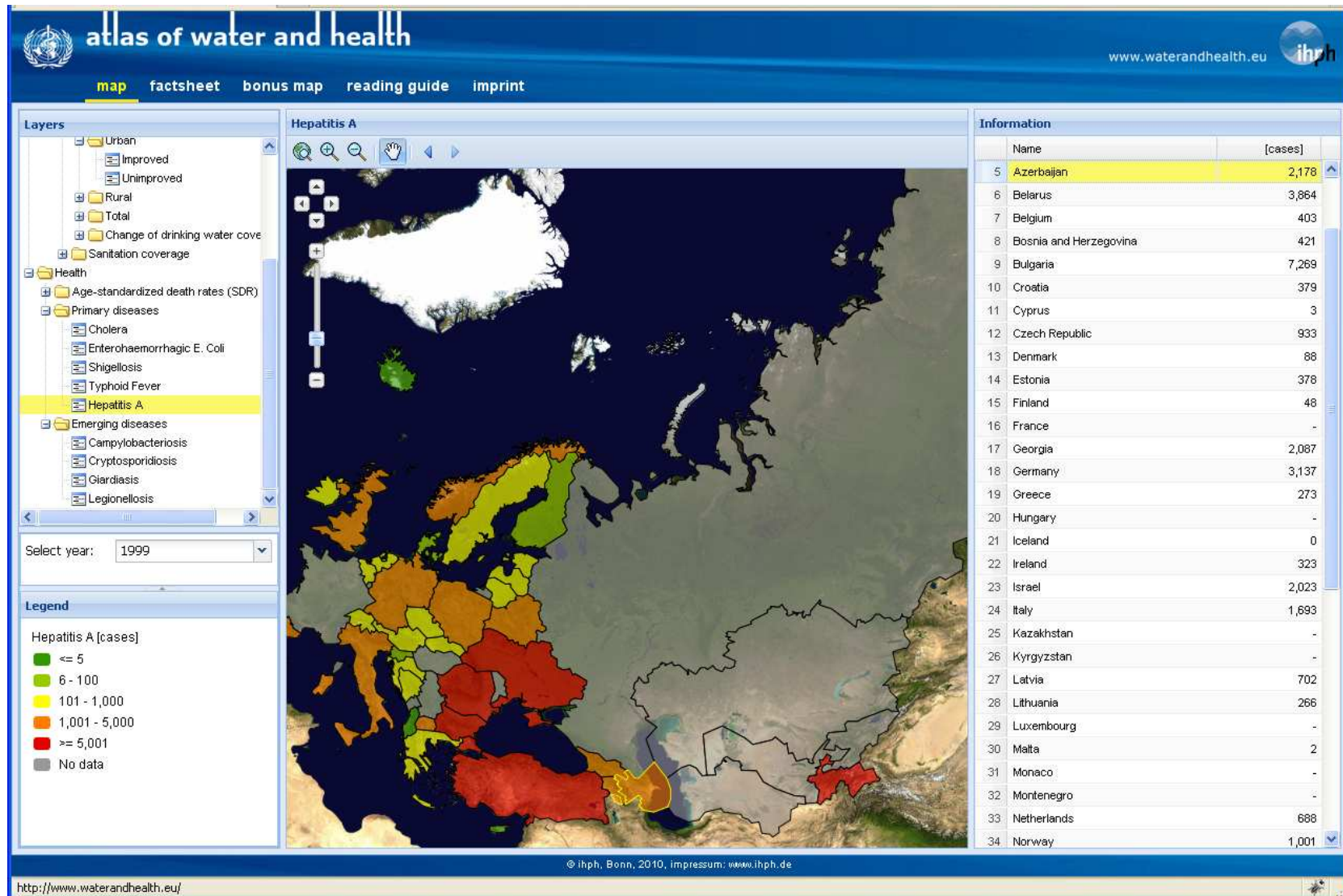
Processed data are captured and combined into one application



Water withdrawal for domestic use



Cases of hepatitis A in 1999



Country and thematic factsheets

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Select by country Select by theme Croatia

Croatia (HR)

Background data

Total area	56,542 sqkm
GDP (PPP) per capita	16,900 US\$
HDI / Human Development Index	0.862 value

Population

Total population	
1990:	4,517 x1,000
2006:	4,556 x1,000
Urban population	
1990:	54 %
2006:	57 %
Population density	80.00 inhabitants / sqkm

Water

Water Resources

Water surface	128 sqkm
Coastline	5,835 km
Land use, irrigated	110 sqkm
Annual precipitation	1,113 mm/year
Renewable water resources	105.50 cbkm
Total water withdrawal	1 cbkm / year
Water withdrawal for domestic use	50 %
Water withdrawal per capita	164 cbm

Drinking water and sanitation coverage

Drinking water coverage

Urban

Improved	
1990:	100 %
2006:	100 %

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Select by country Select by theme Age-standardized

Age-standardized death rates of diarrhoeal diseases for children under 5 years per 100,000 population

Country [SDR]

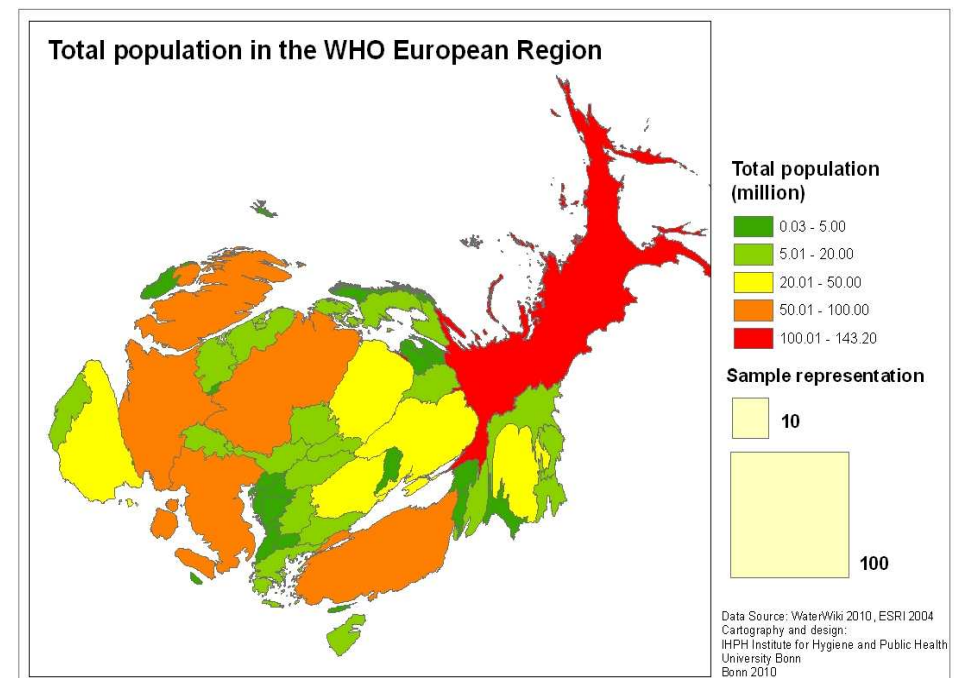
Year: 1999 (53 Countries)

Albania	2.16
Andorra	-
Armenia	27.32
Austria	0
Azerbaijan	43.98
Belarus	6.28
Belgium	1.05
Bosnia and Herzegovina	-
Bulgaria	3.23
Croatia	0.44
Cyprus	-
Czech Republic	0.22
Denmark	0.30
Estonia	9.86
Finland	0
France	0.94
Georgia	11.96
Germany	0.23
Greece	0
Hungary	0.19
Iceland	0
Ireland	0.75
Israel	0.47
Italy	0
Kazakhstan	30.39
Kyrgyzstan	93.67
Lebanon	1.07

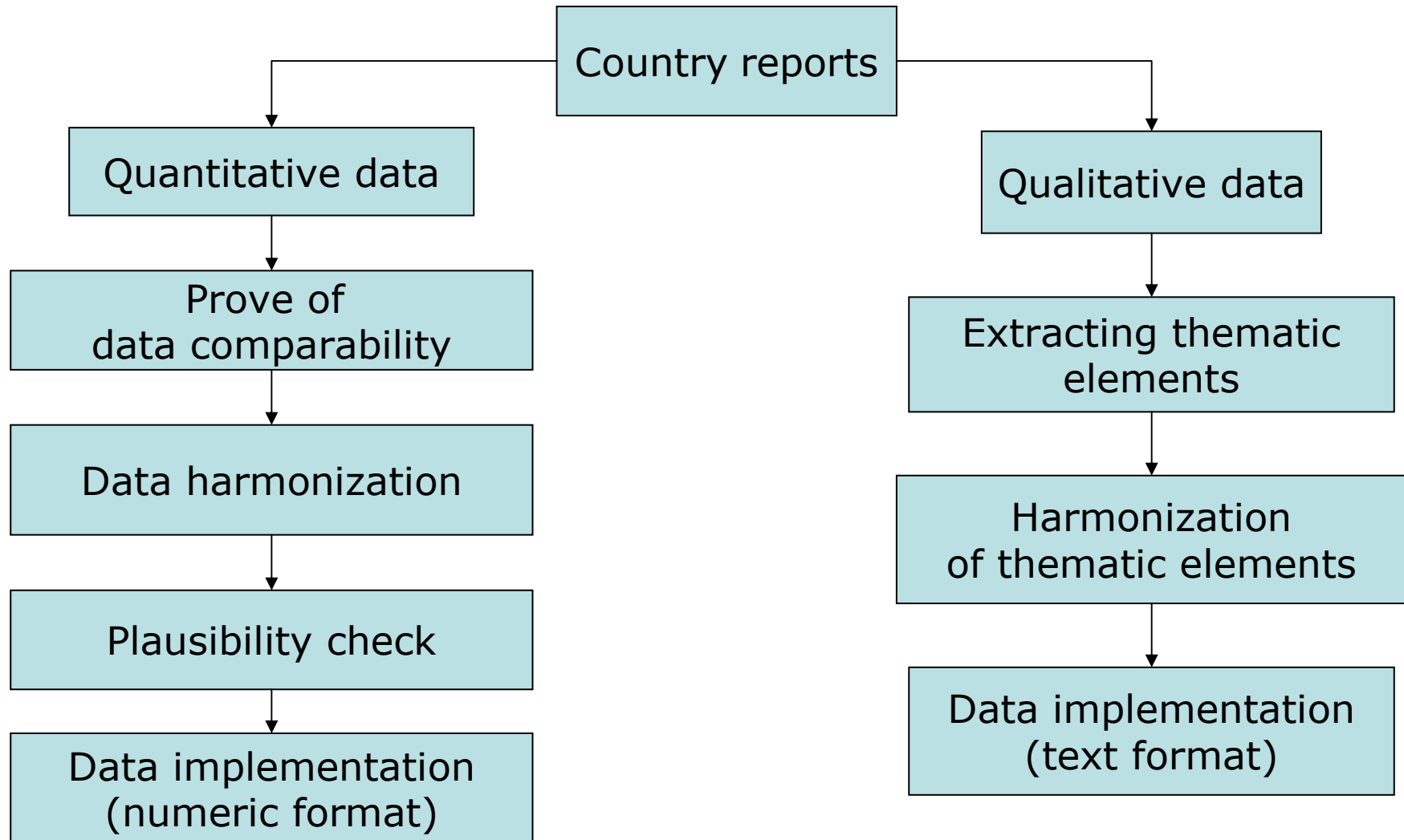
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Further development

- Improving functionality (e.g. print function)
- Implementation of bonus maps (value-by-area map, cartogram)
- Update of integrated data
- Integration of new themes
- Development of an online user interface for data entry



Integration of country report data



Challenges in data comparability

Challenge	Action/solution
Spatial resolution of data - country vs. regional data	If possible, consolidation of data (quantitative data); or implementation of regional aspects
Temporal resolution of data - e.g. different years	Implementing adopted time frame
Extensive description of targets and baseline conditions	Extraction of key elements, in the context of the Protocol (e.g. regulative/ legislative guidelines)
Different description of targets and baseline conditions	Proposal for harmonization of key elements by keeping the principle content/message

Conclusion

- The Atlas of Water and Health is an instrument to communicate, present and evaluate data in the field of water and health
- Consolidation of water and health data from different data sources into one application
- Attractive visualisation by animated maps and factsheet offers a comprehensive insight into water related health
- Country data of water and health can be launched and compared via animated maps (thematic, cartogram) or factsheets (country, thematic)
- Helps to give a better insight into conditions with regard to water resources, water supply and sanitation as well as water-related diseases
- Future focus on the development of an online user interface for data entry