Working Group on Water and Health – sixth Meeting Geneva, Switzerland, 3 and 4 July 2013

Atlas on Water and Health [AoWaH] - Progress Report 2013 -

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AoWaH – The Basic Concept

More than a collection of maps:

- Comprehensive reference
- One-stop-shop for an audience interested in Water, Sanitation and Health

Intended benefits

- Update available data
- Combine different sources which cover water, sanitation and health
- Integrate the temporal dimension
- Provide analysis tools
- Serve countries and focal points, support and facilitate reporting



Settings

What is not intended:

- New surveys
- New questionnaires
- Additional monitoring

but:

- Use available data
- Rely on JMP, CISID, GLAAS, ENHIS, ...



Background

From where did we start?

- Version 1 of the Atlas (Parma 2009)
- Dr. Ina Wienand, Tobias Frechen,
 Christoph Höser, Thomas Kistemann
- http://www.waterandhealth.eu/











Challenges

Time

 Visualize progress and development by making the time dimension easily available

Combination

 Visualize indicators about health AND water AND sanitation issues

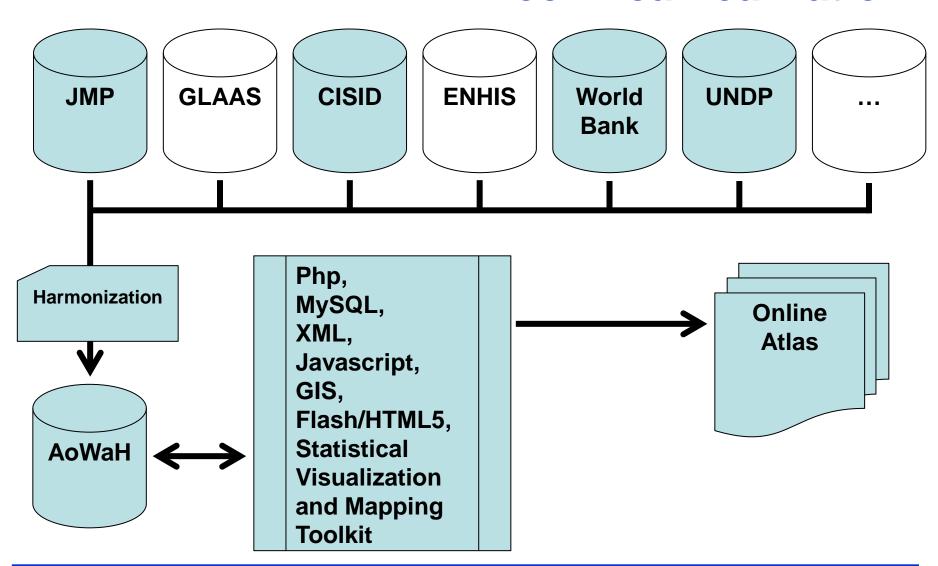


Organisation

Version 2: What already happened

- Launched in 2012
- Technical meetings in Summer 2012, Concept definition
- Regional meeting in October 2012, Bonn Decision about conceptual framework
- Regional meeting: Strengthening monitoring of water supply and sanitation, Bonn, 12-13
 June 2013: Presentation of Atlas Version 2



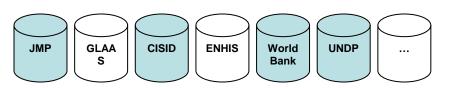




Harmonization

- Country codes need supervision, not automated
- Changes of names, ISO-Codes, spatial extension, dispartment, new states,...
- Finally developed our own system to be flexible for data sources and GIS-based maps, (technical background, not visible for users)
- But: no change of values, no calculation (wb)





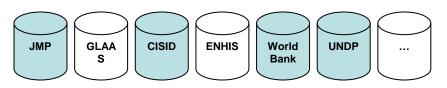
Atlas: data sources

Atlas depends on the availability of databases and their preceding collection, data analysis, harmonization, reconciliation, baseline-calculation etc.

Tremendous work we don't want to repeat!

The Atlas-Project will not serve as a focal point for complaints about unexpected figures. The Atlas is a mirror, reflecting sources.

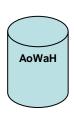




Current data sources

- JMP Joint Monitoring Programme (1990-2011)
- CISID Centralized Information System for Infectious Diseases (WHO Europe) (1980-2012)
- Worldbank (1960-2011)
- UNDP United Nations Developing Programme (1980-2012)
- Future: GLAAS, ENHIS, ...



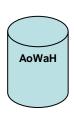


Current restrictions:

- Spatially: country-wide data (no subnational information)
- Temporarily: yearly data (no monthly, weekly or daily information)

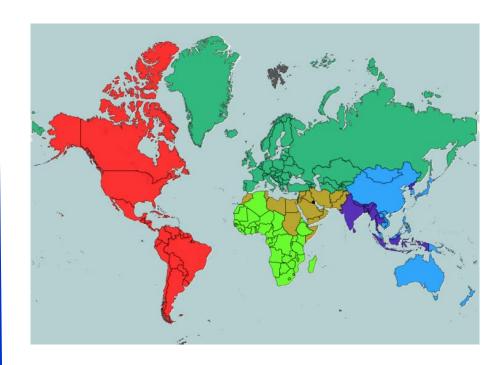
Software is capable to manage more and different tempo-spatial resolutions, but is not integrated into Atlas today.

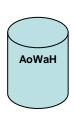




Atlas: countries ver. 1 vs. ver. 2







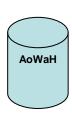
Indicators included

Depends on availability

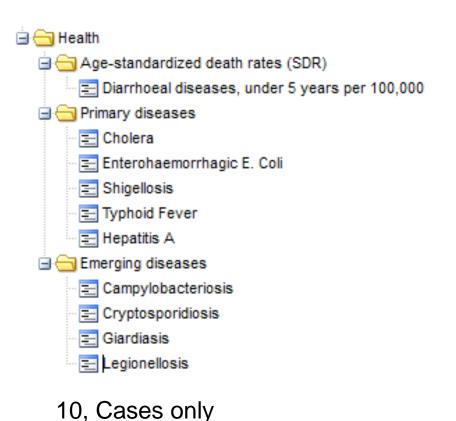
Overall goal:

- Collect aspects related to
 - Water
 - Sanitation
 - Health
- Avoid over-crowding





Health indicators: ver. 1 vs. ver. 2



Under-five mortality (per 1,000 live births)

Campylobacteriosis

Cholera

Cryptosporidiosis

Enterohaemorrhagic E.Coli

Giardiasis

Hepatitis A

Hepatitis E, acute

Legionellosis

Shigellosis

Typhoid (Paratyphoid Fever)

Typhoid Fever

Health index

Life expectancy at birth (years)

14, Cases and incidences





@ ihph, Bonn, 2010,2011 impressum: www.ihph.de



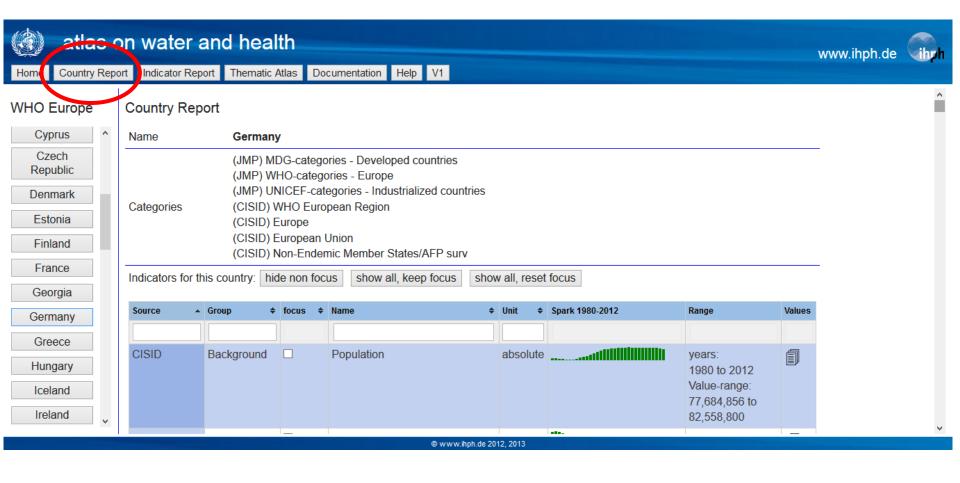
Hands on!

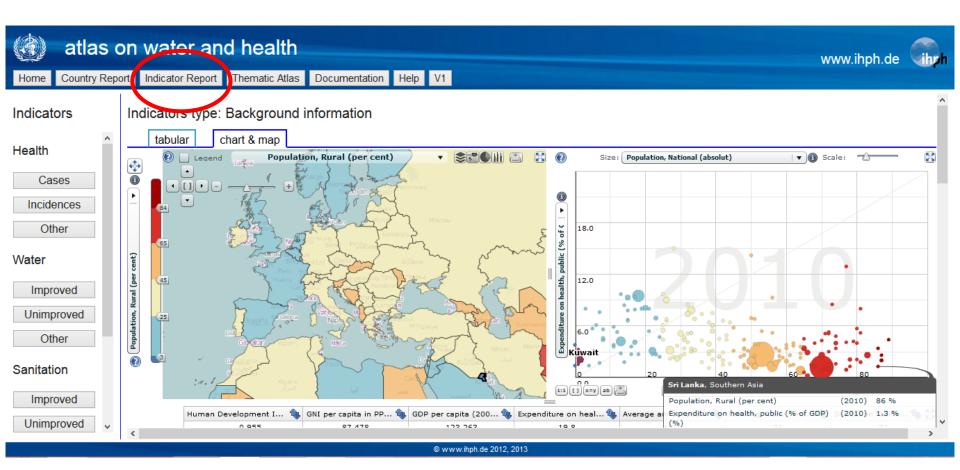
New features of Version 2:

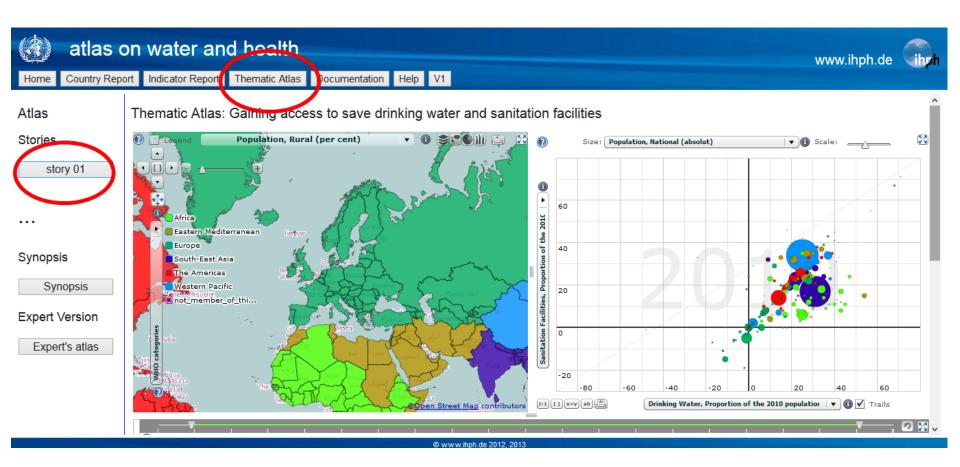
- documentation of sources, indicators, countries
- layout and usage
- Timeline options
- Enhanced graphic toolset
- Export functions: print, embed, share, present
- Extreme flat hierarchy for easy access
- Apply filter, selection by value-range
- Data lenses, enlarging windows
- Prepared to be published in different languages

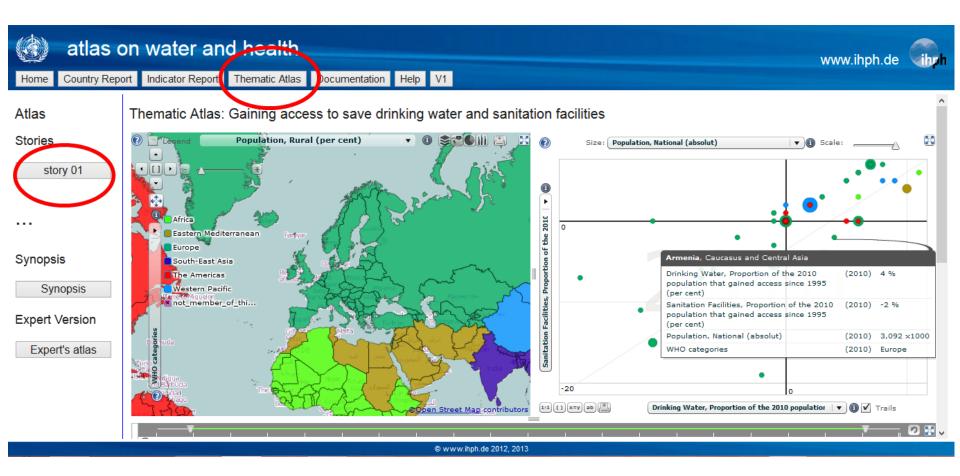
www.waterandhealth.eu

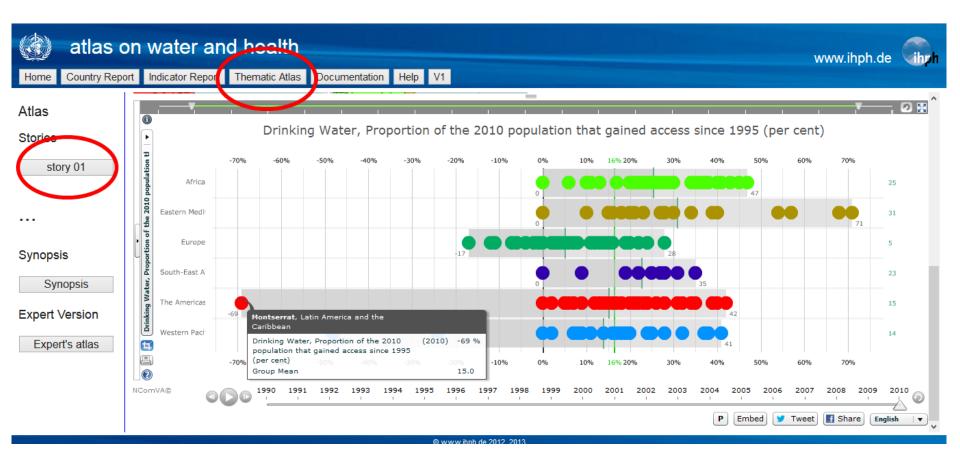


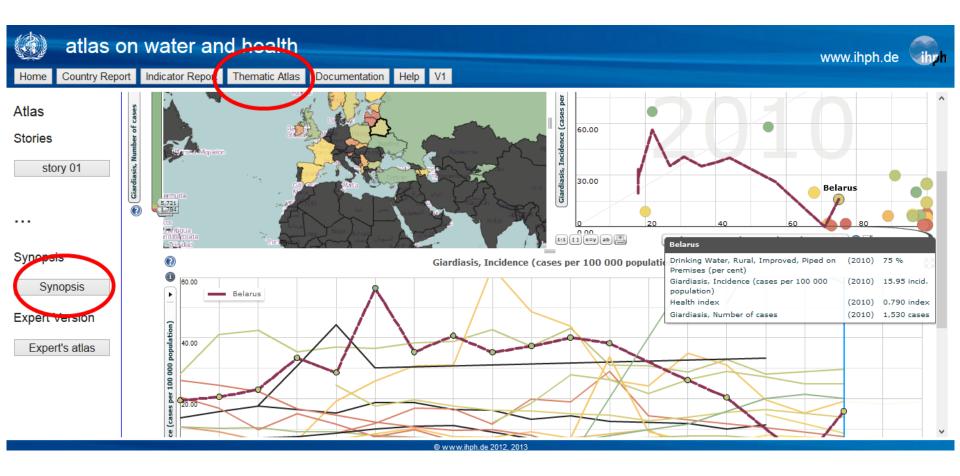












To do

- Integration of different languages: Russian!
- Preparation of a collection of predefined layouts
- Integration of indicators
- Automated data update
- ...

