

PAWA – Pilot Arno Water Accounts

Training session on SEEA-W

System of Environmental-Economic Accounting for Water

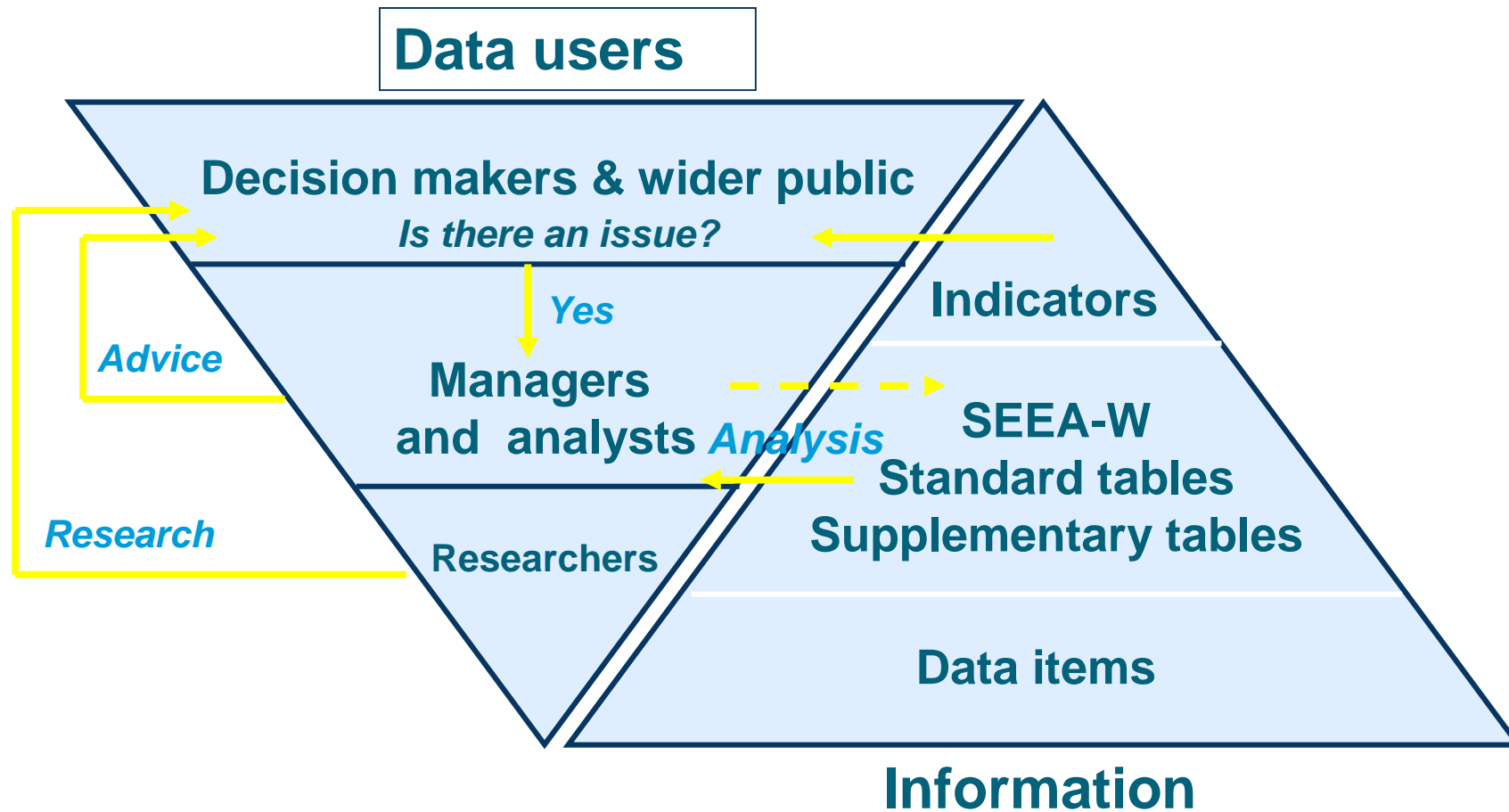
Data and information dissemination

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Florence, 21 March 2014

Target audiences



Policy Key Questions (Examples)

- Which industries are using the most water?
- How much water do households use?
- What are the main sources of nitrate emissions?
- Who pays the most for water?
- What's the relation between economic growth and use or pollution of water for the different industries (e.g. agriculture, tourism)
- Is water use sustainable?
- Is desalination of seawater a possible solution from the environmental and economic perspective?
- Is reuse of wastewater a possible solution?
- Have measures to improve water use efficiency been successful?
- ...

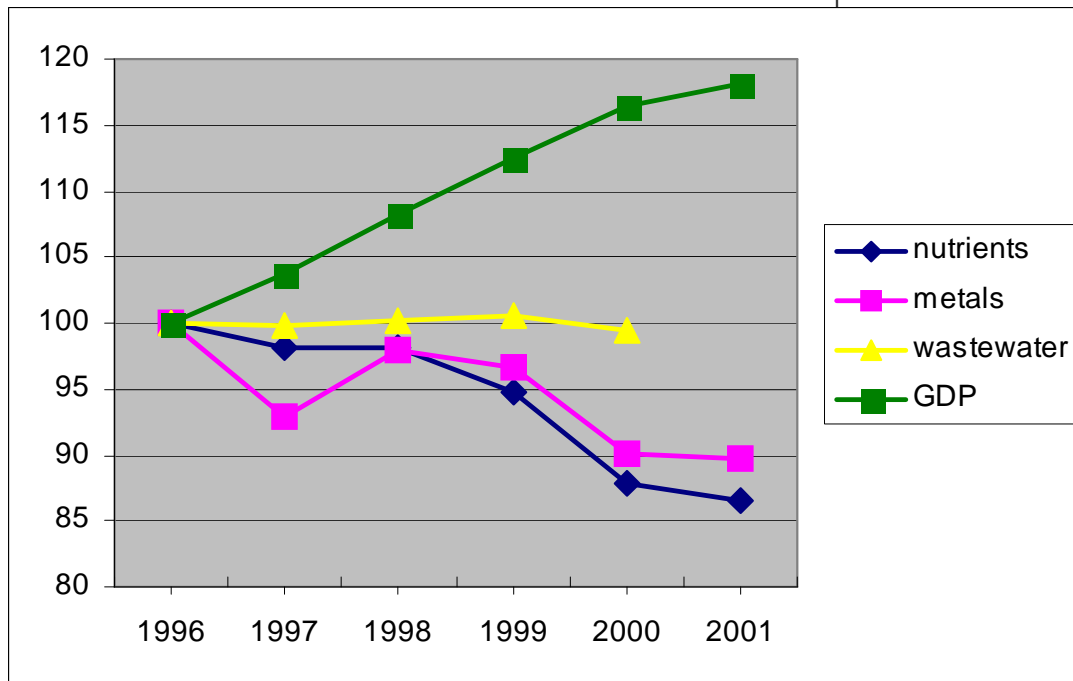
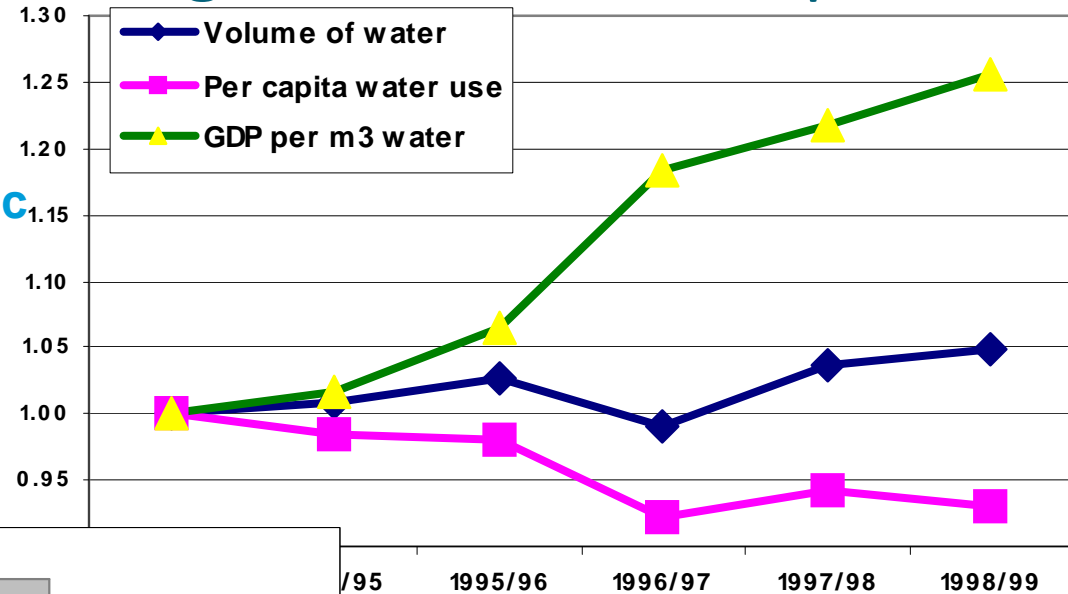
Examples of SEEA-W use

Source of pressure on water resources:

- Macro trends in total water use, emissions (pollution), water use by natural source and purpose, etc. 'Decoupling' economic growth and water use, pollution
- Industry-level trends: indicators used for environmental-economic profiles
- Technology and driving forces: water intensity/productivity and total (domestic) water requirements to meet final demand
- Modelling. E.g. projections of future water needs, impact of reduced water availability on economic activity or environmental health

National trends: economic growth and water pollution

Botswana: water use and economic Growth, 1993-1998

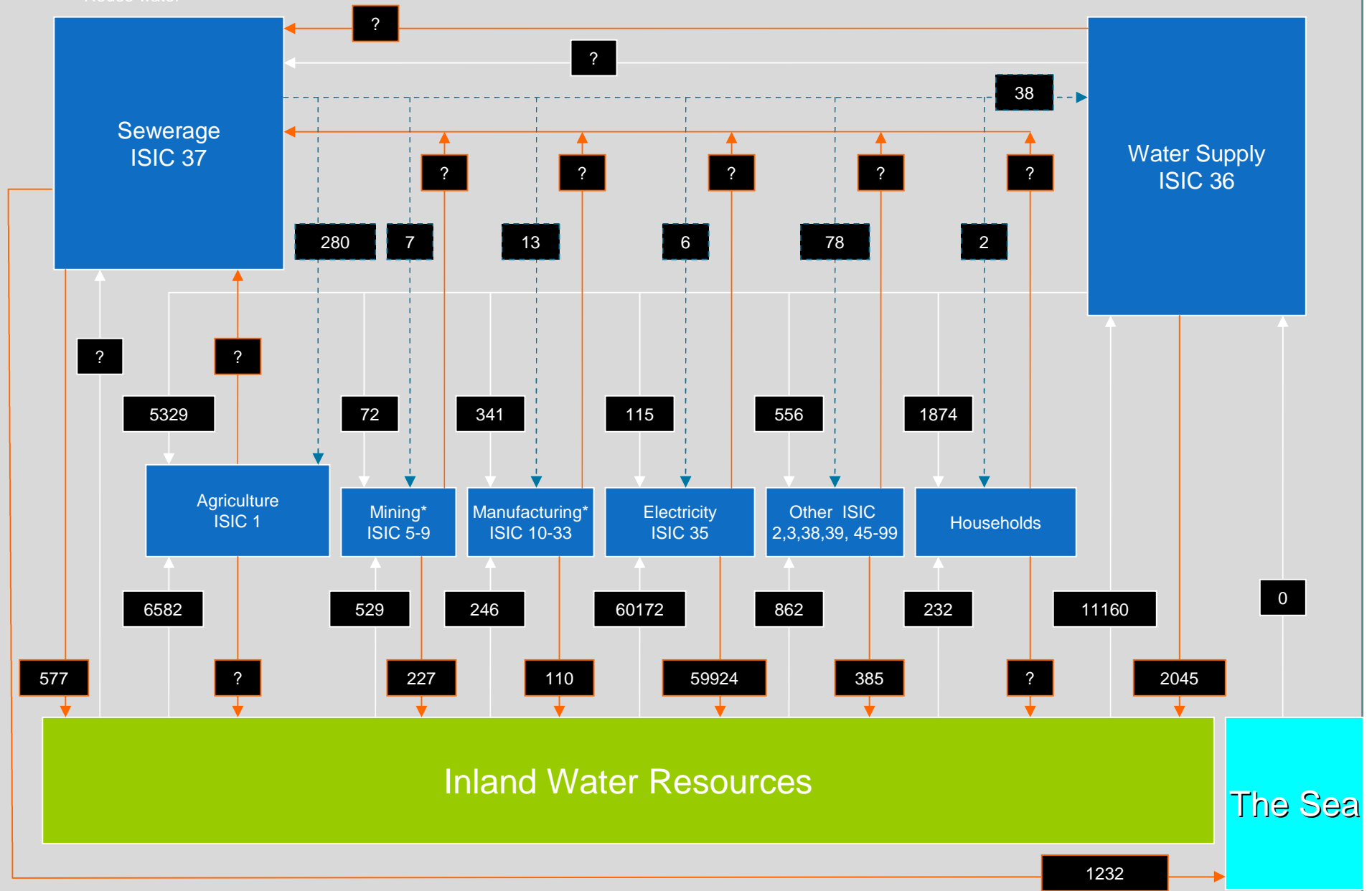


Netherlands: water pollution and economic growth, 1999-2001

Physical water supply and use, 2004-05 (GL, AU)

Key

- Wastewater
- Water
- Reuse water

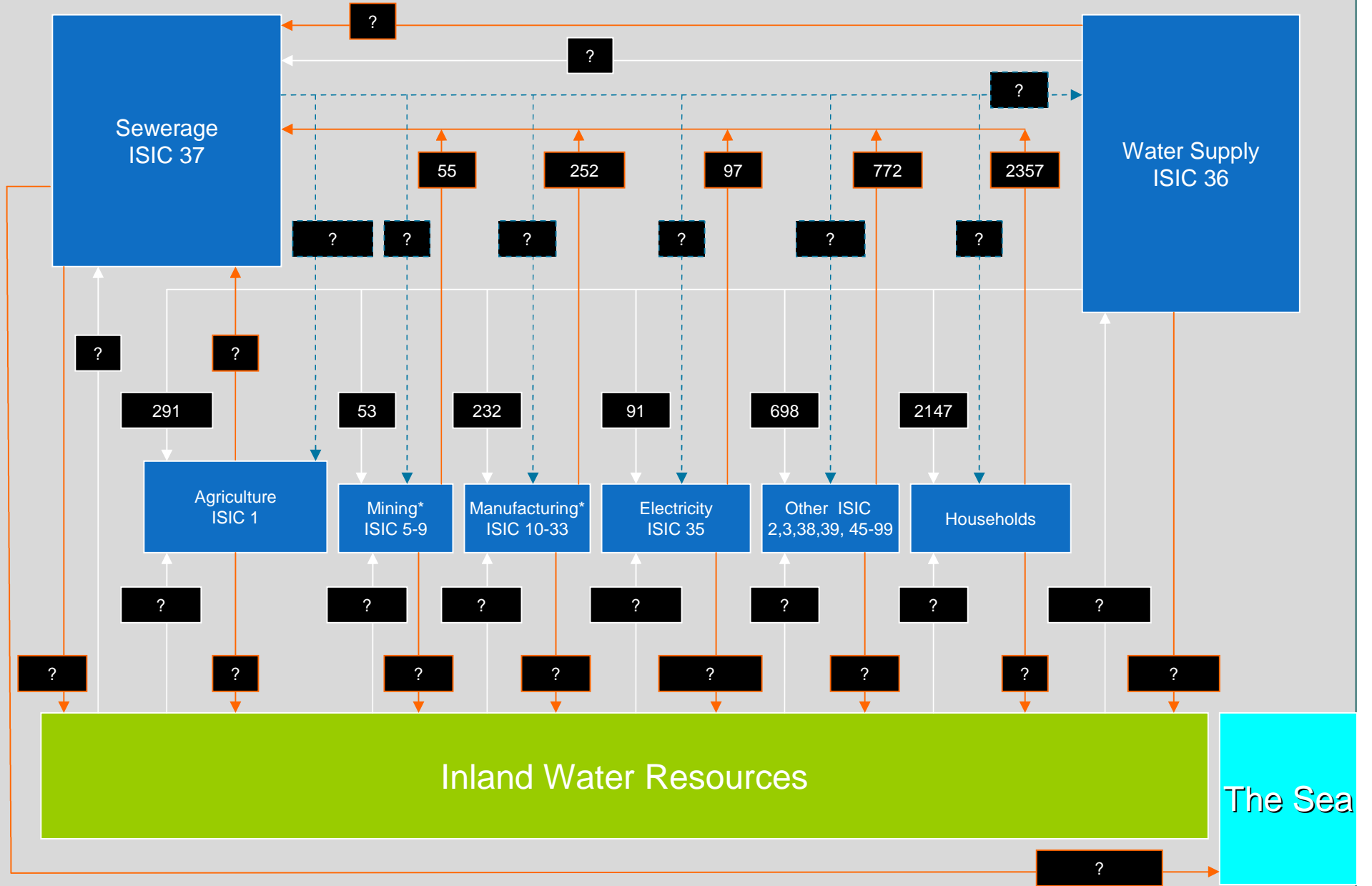


* Note shown is the supply of distributed water and reuse water by mining and manufacturing, 25 GL in total.

Monetary water supply and use, 2004-05 (M AUD\$, AU)

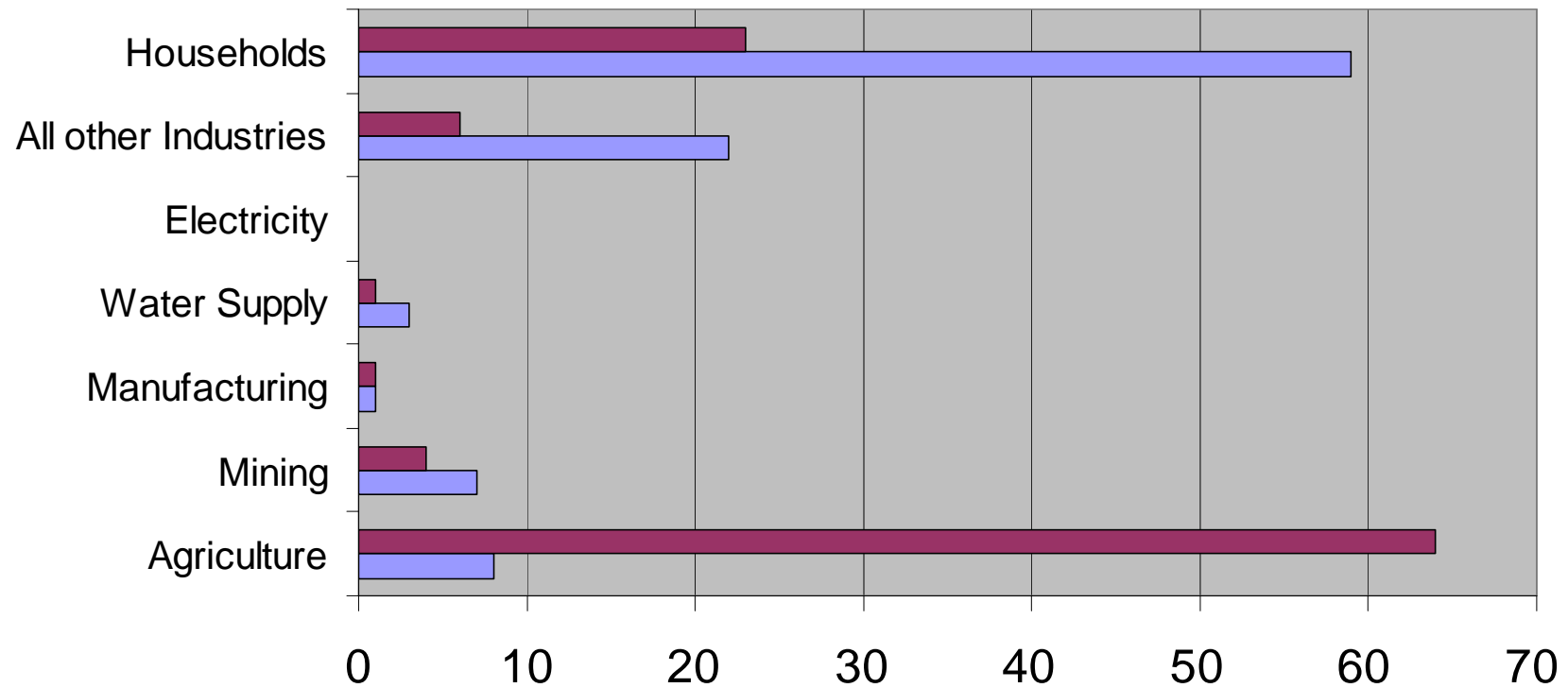
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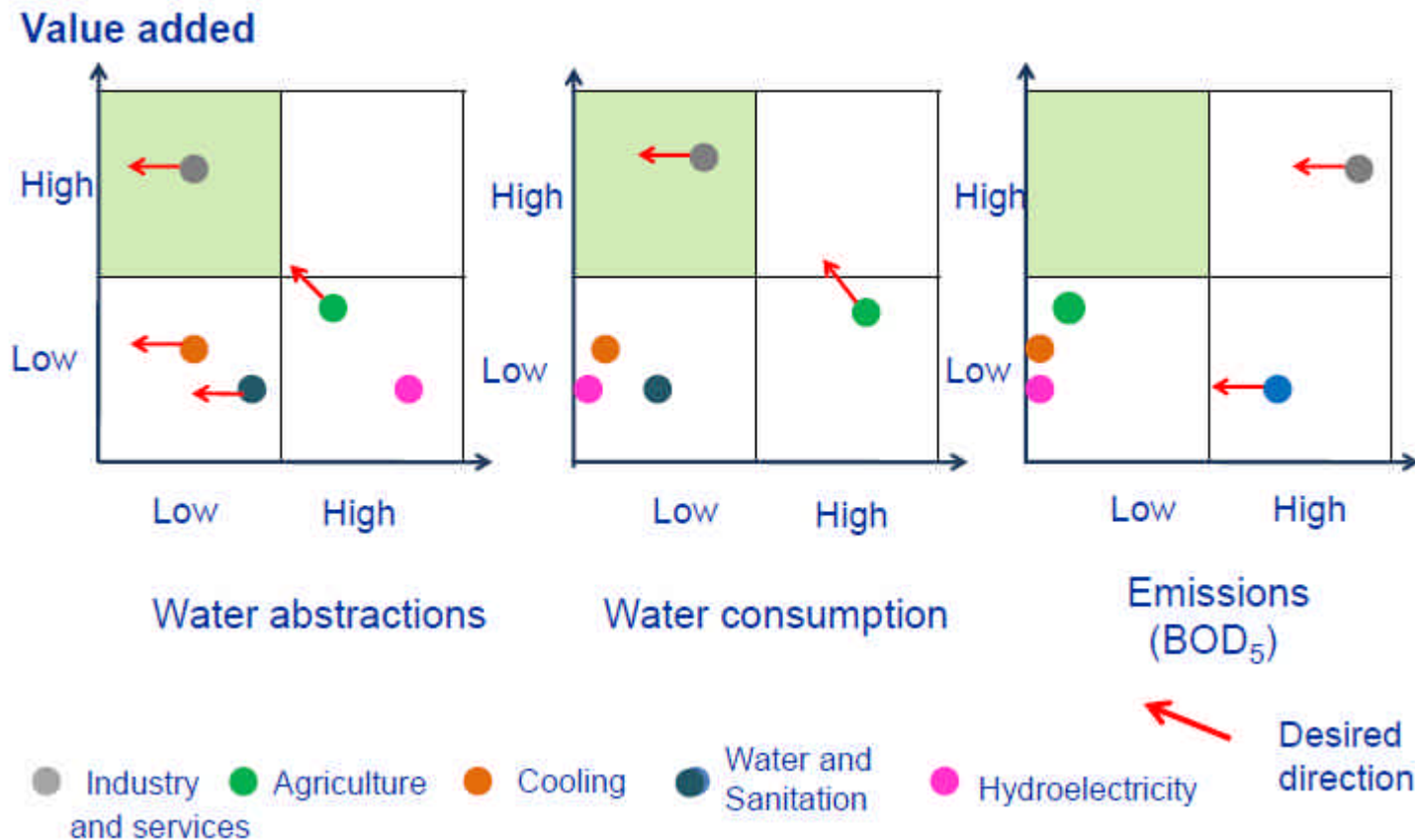


* Note shown is the supply of distributed water and reuse water by mining and manufacturing, 25 GL in total. No monetary available for these.

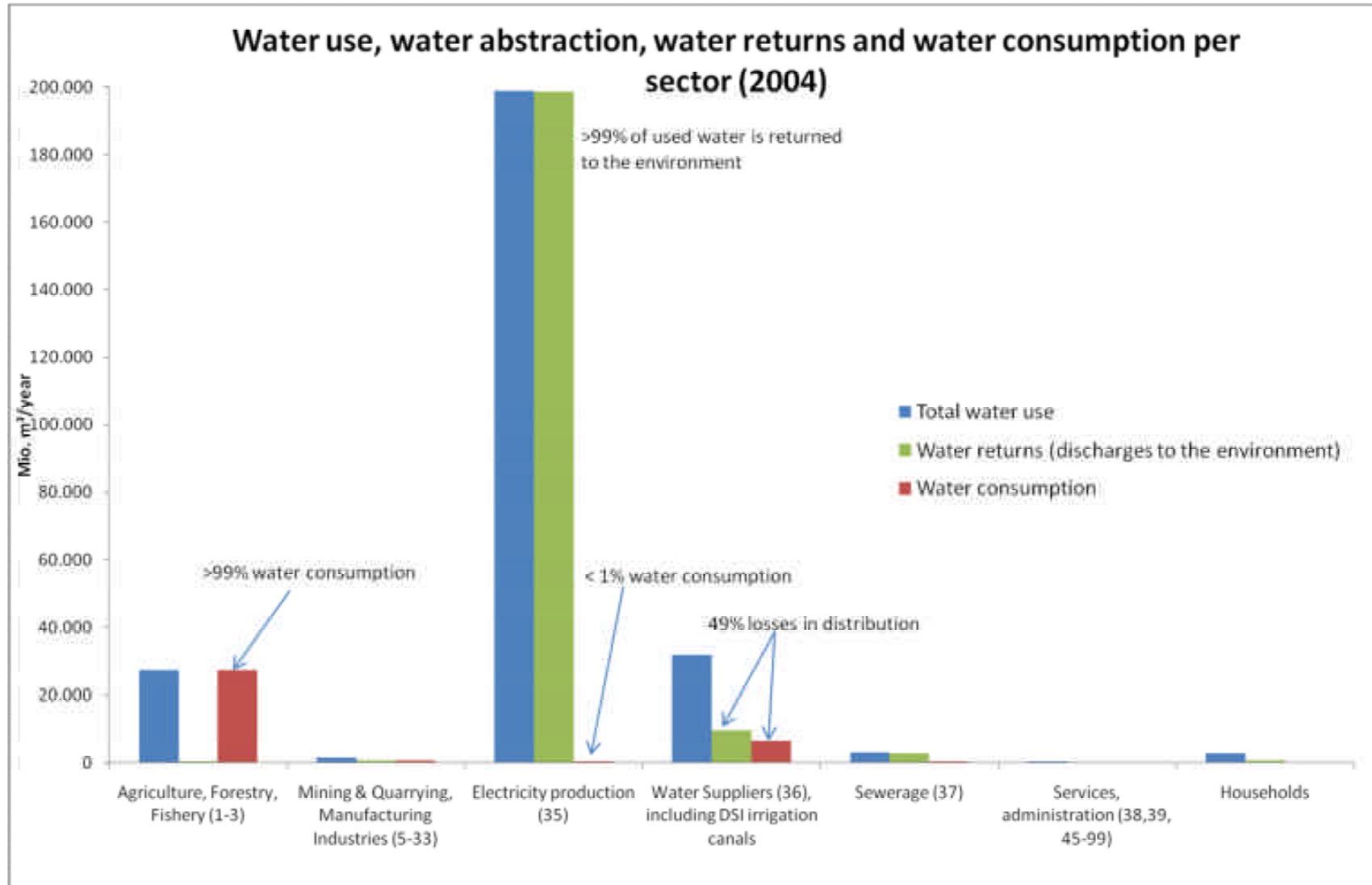
Monetary versus physical use of distributed water (Australia: % of total use)



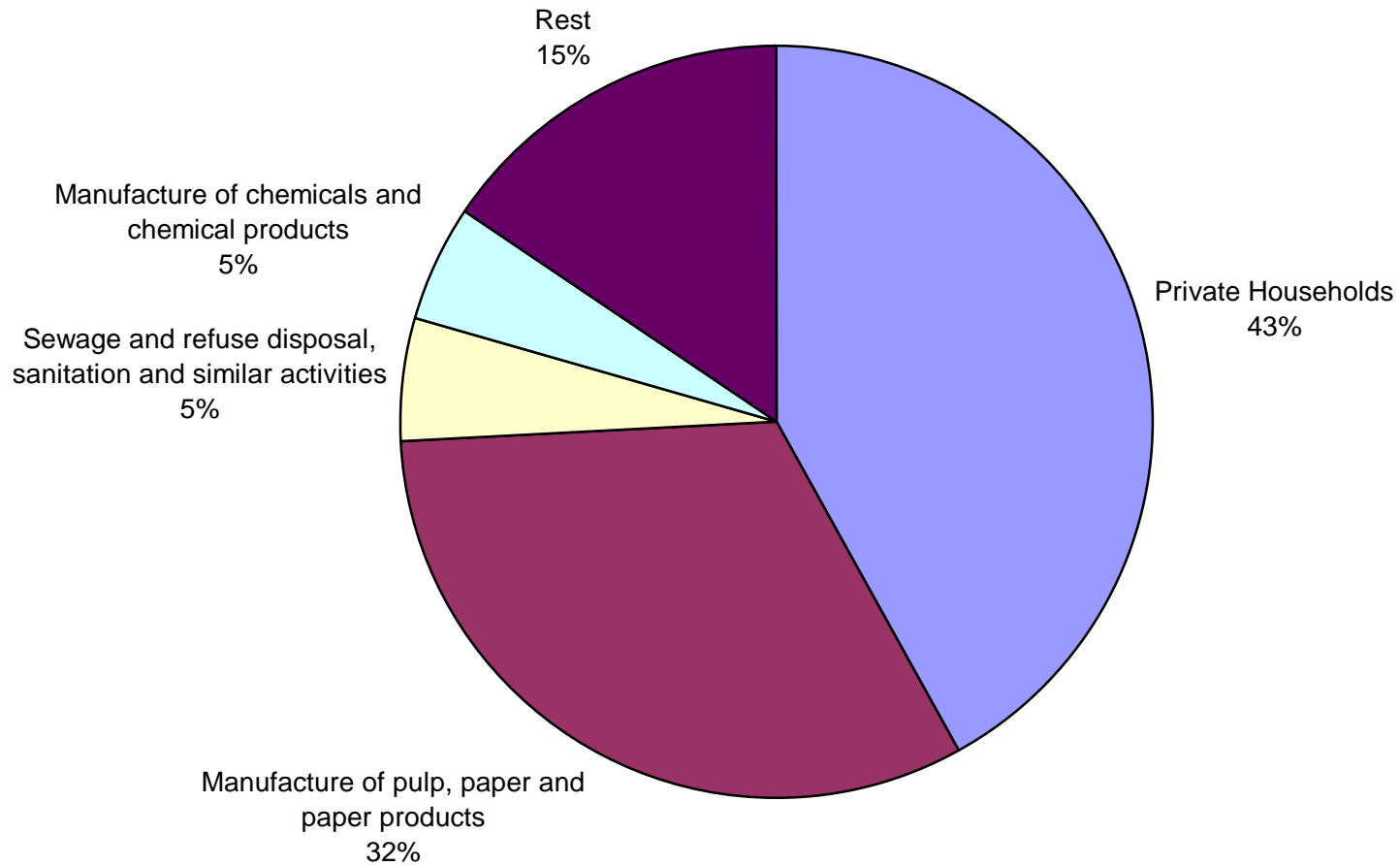
Multidimensional analysis



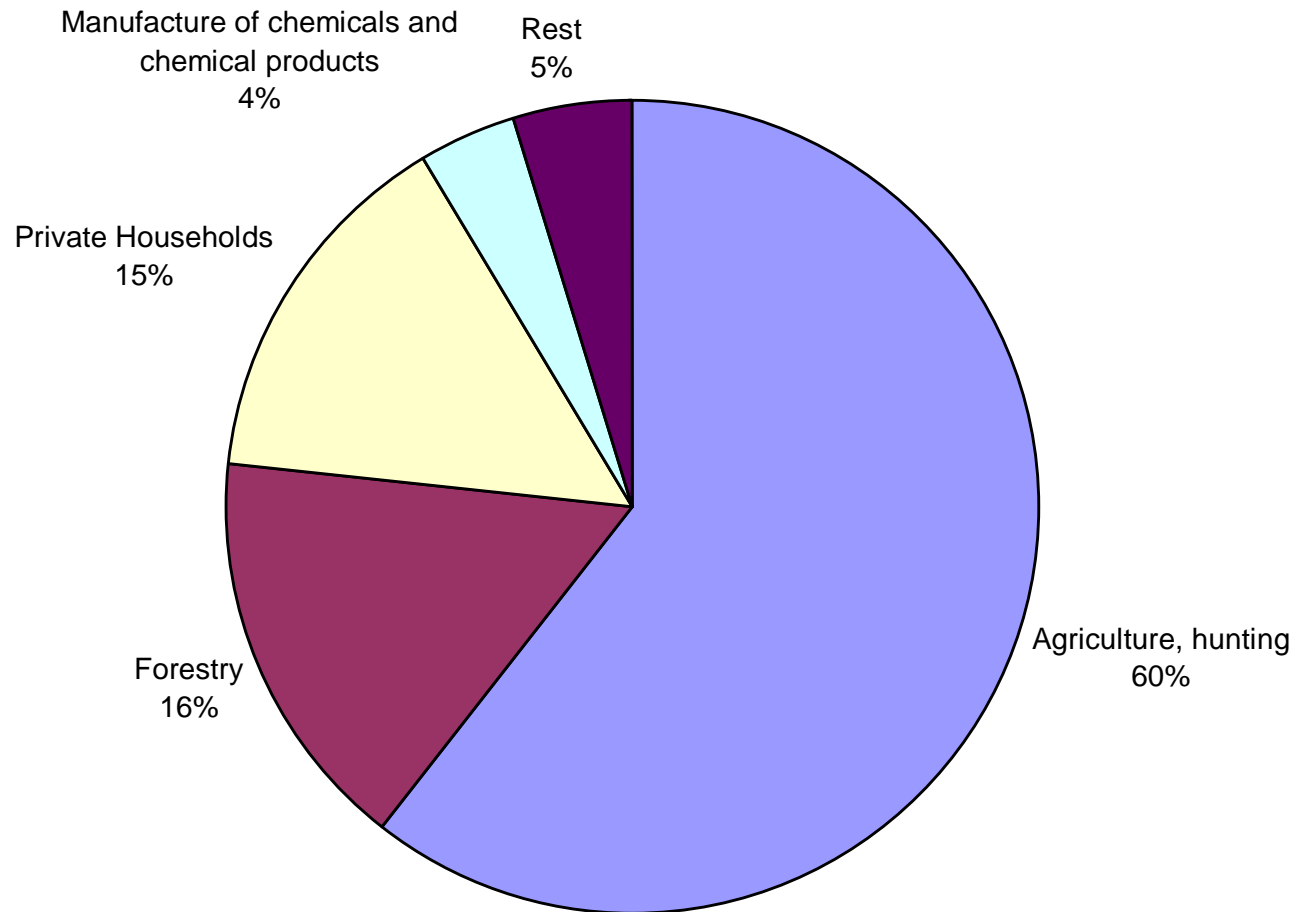
Analysing water use



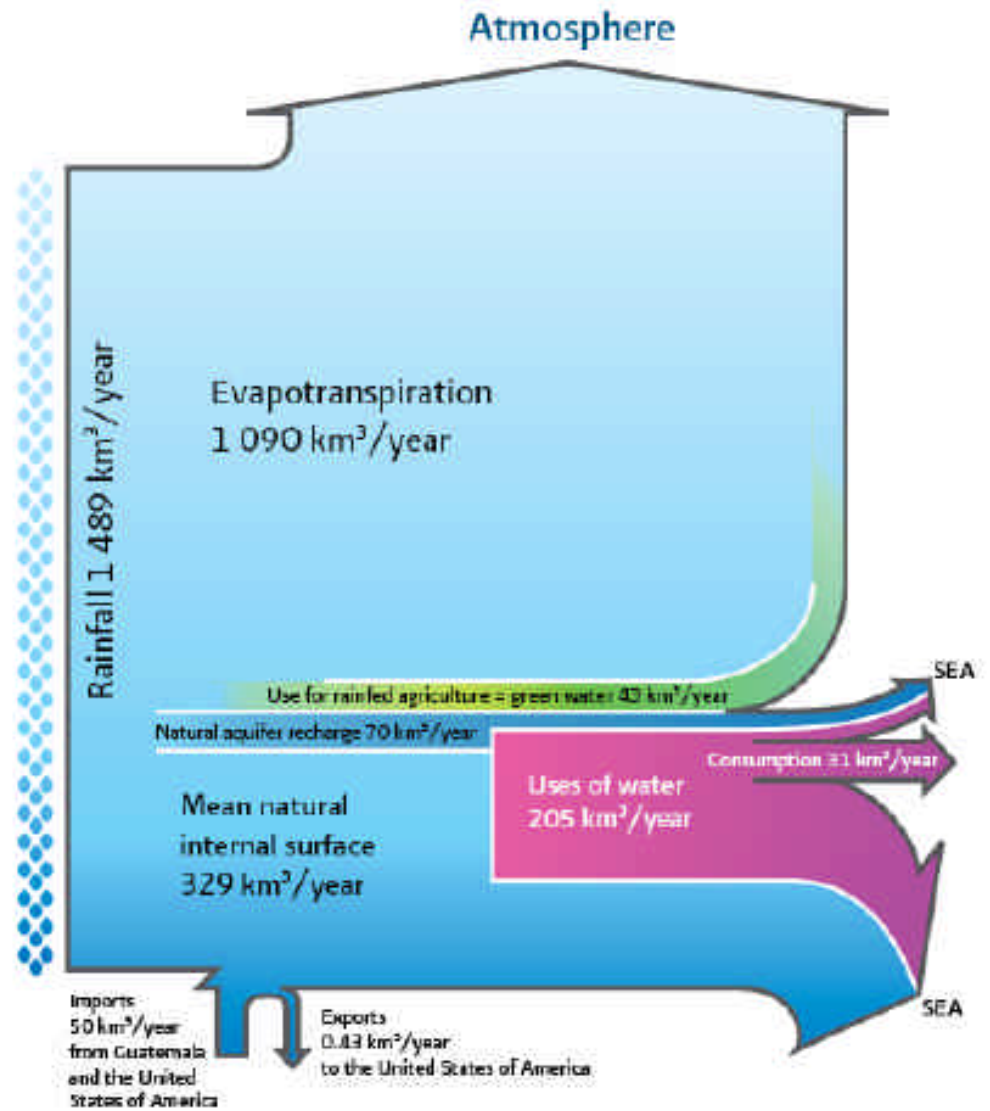
Example - Share of COD Emissions (AT)



Example - Share of N Emissions (AT)



Water balance in a user friendly format



Thank you for your kind attention!

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