

Policy uses and applications of water accounts

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Organization of chapter

- A. Key indicators from the water accounts**
- B. Water management and policy analysis**
- C. Critical issues for water accounts: spatial and temporal characteristics**
- D. Links between water and other resource accounts (fisheries, forestry, land/soil)**

A. Key sustainability indicators from the water accounts

- 1. Discuss different indicators, systems of indicators, and approaches to water management
MDGs—PSR—IWRM—WWAP, etc.**
- 2. Identify indicators that cover environmental, economic, and ‘social’ aspects of sustainability**
- 3. Bring together indicators reported in different chapters of the Handbook**
- 4. Briefly describe the use of each group of indicators, where they are discussed in Handbook**

A. Key sustainability indicators from the water accounts: major themes

- 1. Water resource availability**
- 2. Water use for human activities**
- 3. Access to water and sanitation services: the MDG targets**

Key indicators from the water accounts

1. Water resource availability

Overall purpose is to indicate:

- Quantity of water available for human use on a long-term sustainable basis**
- Severity of pressure on water resources**

Indicators based on quantity and quality of stock compared to use & how this changes over time

Key Indicators:

2. Water management and policy analysis

Overall Purpose: provide detailed, sectoral indicators to help prioritize and design a response to pressure on water resources

Indicator groups :

- Comparing environmental and socio-economic performance of industries**
- Potential for increasing effective supply and improving water productivity**
- Water pricing and incentives for water conservation**

Key Indicators:

3. Access to water and sanitation services

Purpose: to provide the indicators for the MDG Target for water

ACCESS TO WATER:

- 1 1.Share of **urban** population with access to safe drinking water**
- 2 2. Share of **rural** population with access to safe drinking water**

ACCESS TO SANITATION SERVICES:

- 3 3. Share of **urban** population with access to basic sanitation**
- 4. Share or **rural** population with access to basic sanitation**

B. Water management and policy analysis

- 1. Meeting future water demand & the MDG targets**
- 2. Social and economic benefits from water policy reform:**
 - **Benefits of present water allocation and alternative allocations**
 - **Consequences of water pricing reform**
- 3. Assessing costs and benefits of treating water pollution**
- 4. Trade and the environment:**
 - **trade in 'virtual water'**
 - **impact of trade policy on water allocation**

Remaining Sections

C. Critical issues for water accounts: spatial and temporal characteristics

- **Example of river basin accounts for pollution**
will add examples from the Netherlands, Sweden
- **No example of seasonal accounts**

D. Links between water and other resource accounts (fisheries, forestry, land/soil)

- **No examples yet...**

Issues for Chapter

Chapter doesn't seem coherent, organized by a single objective:

- **Emphasis on link to indicators, especially those that drive int'l development like MDGs, or int'l organizations like WWAP or GWP—this would motivate countries and int'l organizations to support water accounting**
- **Secondary objective of bringing together all the indicators presented in each chapter in a coherent set of tables**

There is no consensus on a single system of indicators or hierarchy of indicators

No country constructs/uses water accounts for these indicators!

Issues for Chapter

Countries use water accounts mainly for:

- Water use (pollution) by industry**
- Water productivity (VA/m³ water)**
- Cost recovery by industry**
- Water use module in economic model for forecasting water demand, etc.**

Issues for Chapter

Present organization of chapter:

- 1. Indicators – easy, immediate results for policymakers**
- 2. More complex uses with economic modeling**

If we stay with this approach, guidance is needed on

- what set of indicators to use**
- whether to cover all indicators in the Handbook**
- how to relate this to country experiences**

Issues for Chapter

Alternative approaches to organising the chapter:

- **topic or water issue**
- **country experiences, actual uses of water accounts**