SEEA water accounts in Kazakhstan Implementation plans

Geneva 2019
Content

- Policy background;
- Overview of SEEA implementation in KZ;
- Work at national and international level;
- Main producers of water statistics;
- Available data for water accounting;
- Challenges in water accounting;
- SEEA implementation roadmap;
- Further steps.
Policy background

Sustainable Development Goals (SDG)

Concept for transition of the RK to “Green economy”

“Akbulak” – State water program
Structure of the SEEA Central Framework

Priority Accounts for Kazakhstan

Data sources

- Emission inventory
- Water statistics
- Energy statistics
- Waste statistics
- Land and forest statistics
- National accounts
- International trade statistics
- Business statistics
- Government finance statistics
- Other (administrative data)

Environmental accounts

- Air emissions accounts
- Water emissions accounts
- Water flow accounts
- Energy and material flow accounts
- Solid waste accounts
- Land cover accounts
- Timber asset account
- Water asset accounts
- Mineral and energy asset accounts
- Environmental protection expenditure accounts
- Environmental taxes/subsidies
- Environmental goods and services sector

Physical flow accounts

Natural recourse/asset accounts

Environmental activity accounts
Authorized bodies in the field of environment statistics

• Ministry of National Economy of the RK
  – Committee on Statistics
• Ministry of Energy of RK
  – Committee on Environmental regulation
  – JSC “Zhasyl Damu”
  – RSE “Kazhydromet”
• Ministry of Agriculture of the RK
  – Committee for forestry and wildlife
  – Committee on water resources
  – Committee on land resources
• Ministry of Industry and Infrastructural Development of the RK
  – Committee on geology and subsoil use
• Ministry of Finance of the RK
  – State revenue committee
Work at national and international level

Data sharing agreement

1. Committee on Statistics
   WG on SEEA implementation

2. Ministry of Energy
   WG on SDG indicators

3. Other stakeholders
   WG on implementation of GGI

OECD UNECE UNEP ESCAP WB
Main producers of water statistics in KZ

- Ministry of National Economy of the RK
  – Committee on Statistics
- Ministry of Agriculture of the RK
  – Committee on water resources
- Ministry of Energy of RK
  – RSE “Kazhydromet”
- Ministry of Industry and Infrastructural Development of the RK
  – Committee on geology and subsoil use
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**Memeleketik su Kadasstr**

**Gosudarstvennyi vodnyi kadasstr**

**Jerasty zhene jerusti su korlarynyn koldanyluubu men sapasyn** 2015 yyl

**Jyl sayny gy basylым**

**Resursy poverehnoynt sy podzemnykh voly, их ispolzovanie i kachestvo 2015 god**

**Ejegodnoe izdanie**

Astanay 2015
Water flow account
(available data)

Committee on water resources

- Surface and ground water abstraction by regions;
- Surface and ground water abstraction by NACE rev.2;
- Surface and ground water use by regions;
- Surface and ground water use by NACE rev.2;
- Water losses by regions;
- Water losses by NACE rev.2;
- Water emissions.
Water asset account  
*(available data)*

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<td>• Water stock in main lakes;</td>
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8 water basins of Kazakhstan
Distribution of groundwater resources
Challenges in water accounting

- Lack of primary data;
- Variety of administrative sources;
- Different methodologies used;
- Difficulties in converting physical units into monetary ones;
- Lack of human resources;
- Lack of training programs.
SEEA implementation roadmap

- Air emissions account
- Environmental protection expenditure account
- Mineral and energy asset account
- Environmental taxes account
- Energy flow account
- Water flow account
- Water asset account
- Timber asset account
- Solid waste account

2017-2018

2019-2020
Further steps

• March 2019 WG meeting on the SEEA;
• Interaction with responsible GO;
• Revision of CS and GO toolkit:
  • Methodologies;
  • Questionnaires;
  • Classifiers.
• Interaction with international experts and organizations;
• Gradual coverage of new SEEA accounts.
Thank you for attention

Nakipbekov Asset
National Accounts Division
Committee on Statistics
Ministry of National Economy of the Republic of Kazakhstan
Phone +7 7172 74 92 60
E-mail: as.nakipbekov@economy.gov.kz