

EU-ARMENIA TWINNING PROJECT

Activity 6.1

Assessment of the current status on water statistics and water accounts. Discussion on international standard of water statistics and water accounts

Water Accounts

Yerevan, 1-4 February 2016





Mandatory result

Mandatory result MR7 related to this activity

Water account compiled (July 2017)

Benchmarked by

- Inventory of data sources (availability, information flow) for water accounts defined (April 2016)
- Methodology for water accounts developed (January 2017)
- Meeting with stakeholders held (July 2017)
- Water account compiled (July 2017)



Purpose and expected output of 6.1

Purpose

- Assessment of current situation
- Presentation and discussion on methodology and compilation of water statistics and water accounts based on international and European standards

Expected output

- Mission report with conclusions on findings on assessment and clarification of international and European standards.
- A lining up of work programme for the next activity (6.2 is scheduled to 16-20 May 2016)



Conclusions

- It seems that Armenian Water Statistics (WS) are in line with main Water Accounts (WA) requests, that is a very good starting point!
- The meeting with the Armenian stakeholders obtained a very good participation and interest, as further proof of the fact that NSSRA is in a good connection with central stakeholders engaged in the environmental issues.
- It's should be clear to all of us that WA are a strictly consequence of WS. Then, that it's necessary to consolidate and perform WS for producing accurate WA.
- The work to do will be surely arduous, but overall stimulating.
- Istat and NSSRA are confident in an efficacious cooperation, in a sharing of experiences that will produce a better performance of WA in our countries.



Recommendations

- Individuate, in NSSRA database, the indicators already available to fill in Eurostat-OECD Joint questionnaire on Inland waters (JQ-IW) and the missing indicators.
- Prepare the inventory of indicators data source usable in JQ-IW.
- Describe the methodology used for calculating the indicators already available with the aim to verify the correspondence with Eurostat standards and for a better understanding of the NSSRA data usability in WA.
- Verify data quality: coherence, consistency, missing values treatment, presence of outliers, type of measurement, estimation methodologies.
- Use the standardized flags listed by Eurostat for indicating specific data characteristics.
- Verify the time series completeness.
- Analyze Eurostat “Manual for Physical Water Flow Accounts” and “Data Collection Manual for the OECD_Eurostat Joint Questionnaire on Inland Waters” (last upgrade).



Road map and time plan (1)

- Homework to be prepared by NSSRA until next mission in May:
 - Describe of data sources and flows (availability, information flow) for water statistics
 - Fill in available indicators with a high level of quality in the “Eurostat-OECD Joint questionnaire on Inland waters” and in the correspondent Water Accounts items
 - Missing indicators or indicators with an uncertain quality have to be gradually underlined, with the aim to individuate the best practices to use (proxy variables, estimations models, surveys, administrative data)
 - Analyze Eurostat “Manual for Physical Water Flow Accounts”.
- Deadline: End of April 2016



Road map and time plan (2)

- Given the complexity of the questionnaires and the high number of variables required, the co-operation activities started on February 1st will have to go "continuously" through exchanges of information, insights and suggestions that will take place by mail, in order to immediately resolve uncertainties and continue the work. Therefore, the next missions will aim overall to validate and share the outcomes.
- In the next mission also monetary aspects of Water Accounts will be focused.