Implementation of the Shared Environmental Information System principles and practices in the Eastern Partnership countries

(ENI SEIS II East)

Belarus

Thematic work plan - Water

(2017-2019)

Prepared for consultation

by ENI SEIS II East Project Team

European Environment Agency

2017

This project is funded by the European Union and is implemented by the European Environment Agency

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1. Context

1.1 Overall context

The ENI-SEIS II East project ([1]) primarily aims at helping Belarus to better respond to regional/international commitments related to environmental reporting as well as to improve its capacities to manage and use environmental statistics, data and information in support to decision-making. The final goal is to support Belarus in using the available data and information for developing indicator based assessment and producing regular State of the Environment Report (SoER).

The thematic national work plan for freshwater outlines actions in line with above defined objectives by supporting Belarus in implementing respective indicators and assessment proposed by the UNECE Working Group on Environmental Monitoring and Assessment (WGEMA) and Joint Task Force of Indicators.

The overall objective is to support the SEIS implementation at the country and regional level.

In addition to this national work plan, a regional work plan has also been developed separately in order to design the actions which are thematically and spatially common to all ENI East countries including supporting the establishment of the Emerald networks as biodiversity component.

1.2 Link to the European Environment Agency Work Programme - 2017

Water quality : 1.5.1 WFD and water ecosystem-based management
Water quantity : 1.5.4 Water resources & efficiency/water accounts
WISE : 1.5.5 WISE - data flows and information structure

1.3 Thematic context

Expected main outputs

a) Production of regionally comparable indicators in accordance with EEA and UNECE implementations

b) Development of geo-referenced water quantity accounts at the river basin level for integrated assessment of water resources management in accordance with the SEIS principles.

The first phase of the ENI East project was resulted with a comprehensive assessment on governance, data and monitoring of water resources –among other thematic areas- in Belarus ([2]). The assessment has identified some potential areas in the SEIS context subject for the future improvements and

[1] http://eni-seis.eionet.europa.eu/east
[2] http://enpi-seis.pbe.eea.europa.eu/east/Belarus/enpi-seis-country-report-Belarus-final.pdf

developments e.g. data harmonization and validation, development of the geo-information and visualisation of water quality data, further development of environmental indicators etc.

Belarus has already made data available for almost all UNECE WGEMA water indicators ([3]). Water quantity related data is presented at the national level, while water quality data (for C10 and C11) are available at the river basin and lakes (C11) level. However, there is a need to efficiently use the data and indicators to underpin the national and international environmental assessment in relation to the integrated water resources management.

Belarus has comparatively well-developed monitoring system for surface and groundwater water to collect water quality and quantity data at the river basin and water body level, which has been further improved particularly in the recent years ([4]). National environmental information system also links to the thematic information systems, one of which is for water.

National Statistical Committee of the Republic of Belarus regularly publishes statistical book where water data can also be found. The State of environmental report also is regularly published by Belarussian Research Centre of Ecology upon the request of the Ministry of Natural Resources and Environmental Protection ([5]).

Belarus has already delineated river basins. The country has five river basins i.e. Zapadnaya Dvina, Nieman, Zapadnyiy Bug, Dieper and Pripyat. All the basins are transboundary whereas Belarus is upstream of four river basins except Dvina (Figure 1).

Figure 1: River basins of Belarus

Source: ENPI SEIS Country Report (2012)

[3] http://www.belstat.gov.by/en/ofitsialnaya-statistika/macroeconomy-and-environment/okruzhayuschaya-sreda/the-shared-environmental-information-system/c-water-resources/
[4] http://www.nsmos.by/
[5] http://www.ecoinfo.by/

River basin management plan for the upper Dnieper basin was developed by the project on the environmental protection of international river basins ([6]). In addition, since 1994, bilateral agreements with Russia and Latvia have been taken in place to improve the cooperation between that signatory parties about the cooperation for the environment ([7]). Particularly, a project on protection and use of water resources in the Western Dvina-Daugava River basin is worthwhile to mention as an example.

The EU Water Initiative Plus for the Eastern Partnership ([8]) is currently being run as complementary actions of EPIRB project to implement the river basin management plans in the Eastern countries including in Belarus, together with strengthening monitoring systems and improvements with policy development in line with the EU Water Framework Directive.

Despite all positive developments and improvements, still some challenges for application of the SEIS principles for Belarus include as follows ([9]);

Cooperation

- needs for further improvements in inter-institutional data exchange and sharing

Content

- limited availability of online database together with accessibility
- data harmonization and validation in accordance with the international standards e.g. EEA WISE SoE data dictionaries
- lack of indicator based assessment to underpin the national environmental policy processes

Infrastructure

- development of the integrated geo-information into the indicator based assessment

This work plan will support Belarus in;

- further operationalizing inter-institutional protocols for data exchange and sharing
- implementing standard data dictionaries of State of Environmental Reporting of the Water Information System of Europe (WISE-SoE) with the aim of harmonizing water quantity and quality data in line with the EU water framework directive
- developing geo-referenced water quantity accounts to support the development of the water quantity indicators at the river basin level
- developing indicator-based assessment to underpin the knowledge-based policy implementation and further to provide inputs to the regular production of National SoER

2. Description of actions

A service contract has been established with the European Topic Center on Inland, Coastal and Marine waters to provide expertise on data harmonization, indicator implementation and conducting indicator-based assessment as well as developing the water quantity accounts at the river basin scale.

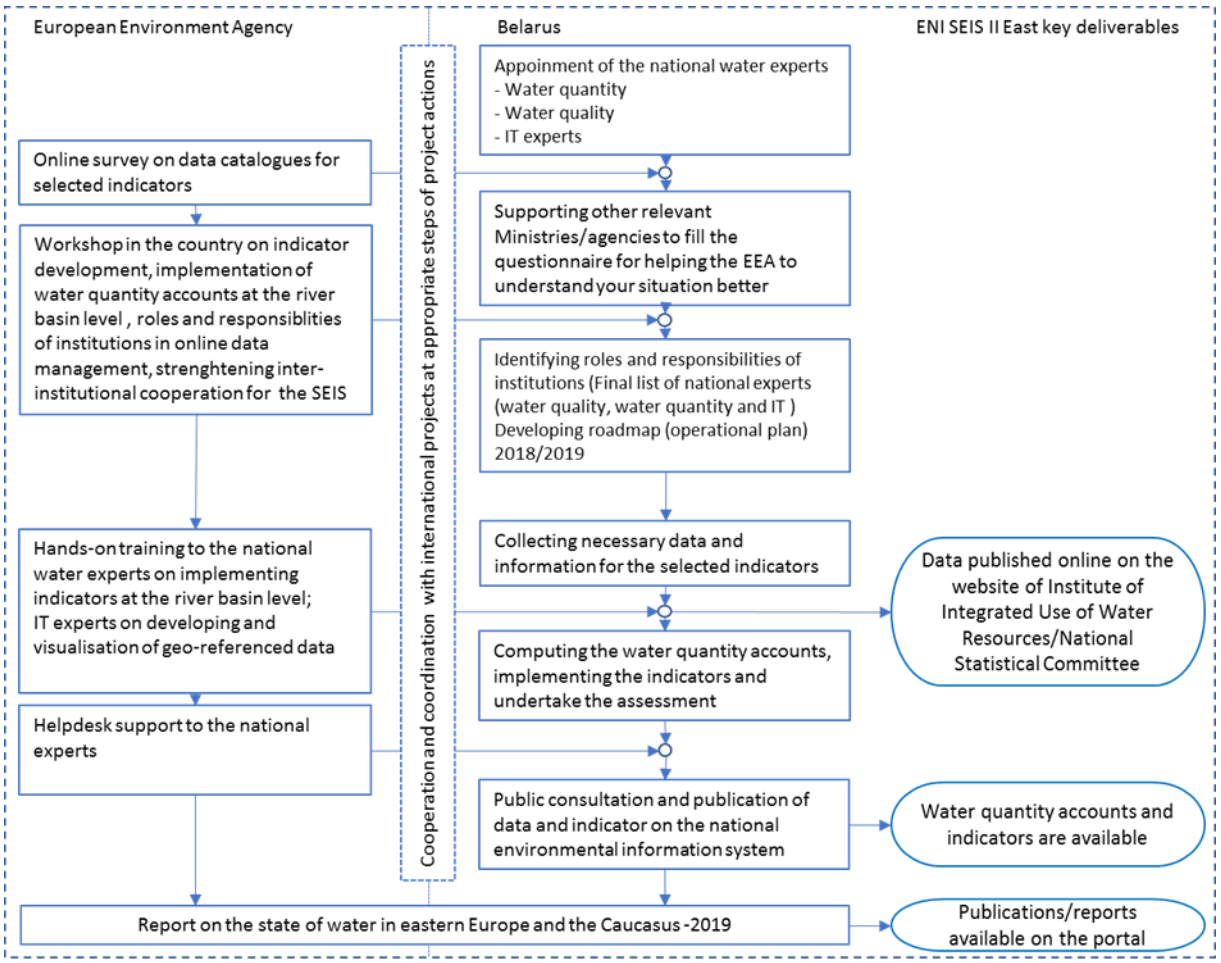
Water quantity accounts at the river basin level in line with the EEA experiences as well as in accordance with the United Nations System of Economic-Environmental Accounting for Water Framework ([10]) will be implemented as “National Pilot”. Depending on further needs during its

[6] http://blacksea-riverbasins.net/en/pilot-basins/upper-dnieper-river-basin
[7] https://portal.helcom.fi/meetings/Transboundary%20inputs%20WS%201-2015-243/MeetingDocuments/Presentation%207-Belarussian%20cooperation,%20pressures%20and%20impacts_Pakhomau.pdf
[8] http://www.euneighbours.eu/en/east/eu-in-action/projects/european-union-water-initiative-plus-eastern-partnership-euwi-4-eap
[9] http://enpi-seis.pbe.eea.europa.eu/east/Belarus/enpi-seis-country-report-Belarus-final.pdf
[10] https://unstats.un.org/unsd/envaccounting/seeaw/seeawaterwebversion.pdf

development, complementary supports would also be provided from the EIONET when needed (see chapter 2.4 for further clarifications on the National Pilot).

"Learning by doing" will be used as modality for implementing the tasks. EEA will provide necessary expertise from its internal and EIONET pools. It is supposed Belarus will make necessary commitments needed in the implementation of the actions. The below figure (Figure 2) is illustrating workflow together with the overall share of roles and responsibilities between European Environment Agency and Belarus during the implementation of the actions.

Figure 2: Workflow of implementation of actions



2.1 Appointment of national water experts

The project actions will be mainly provided in the form of expert support (except "National Pilot") as well as capacity building by training the national experts. The national experts are also supposed to ensure the institutional memory on the content. In addition, they will play key role of being national reference centres as in the EIONET. Belarus has appointed the following experts to be involved in the implementation of the water related actions (Table 1);

Table 1: List of national water experts appointed by Belarus

Type of National expert	Name	Institution	Title	Phone	e-mail
IT expert	Aliksandr Pakhomau	Ministry of Environment	Expert		aliaksandr.pakhomau@cricuwr.bv
Water quantity	Ekaterina Poleshchuk	National Statistical Committee	Head of department	+375 17 367 7173	intcoop@belstat.gov.by
Water quality	tbd				

Task descriptions for the national water experts;

- National experts on water quantity; Water quantity experts will be involved in developing water quantity accounts in line with the United Nations System of Economic and Environmental Accounting for Water ([11]) as well as implementing water quantity indicators. They will also ensure the collaboration with other water institutions and experts. Water quantity experts will be in close cooperation and collaboration particularly with the IT experts for developing the geo-referenced data and visualisation of the water accounts results on the environmental information system. Thus, both IT experts and water quantity experts are supposed to have experiences with GIS and also spatial hydrological data.
- National experts on water quality; they will be involved in implementing water quality indicators. The number of national experts on water quality will be identify together with the National Focal Points of Belarus depending on the involvement of national institutions and the content of the indicators.
- National IT experts; National IT expert will play crucially important role in ensuring the appropriate processes for visualisation of the geo-referenced data. They should work closely with the water quantity experts as well as IT experts from the EEA topic centre of Inland, Coastal and Marine Waters

The list of national water experts with their national institutions will be finalized during the workshop which will be held in Minsk.

The communication with the national water experts will be conducted mainly in English.

Deliverables

- National water and IT experts identified and thematic expert networks developed

2.2 Online survey on data catalogues for water indicators

Based on EEA data policy document ([12]) and the European interoperability framework for European Public Services ([13]) as well as in line with the SEIS components (cooperation, content and infrastructure) an online survey will be performed with the Ministry of Natural Resources and

[11] https://unstats.un.org/unsd/envaccounting/seeaw/seeawaterwebversion.pdf
[12] http://www.eea.europa.eu/legal/eea-data-policy
[13] https://ec.europa.eu/isa2/eif

Environmental Protection of the Republic of Belarus and the State Statistical Committee of the Republic of Belarus with further circulation to other relevant national agencies for the following purposes;

- to develop the metadata catalogue of the selected indicators
- to further elaborate quantitative and qualitative aspects of organizational and data capacities of relevant national institutions in sharing the data and information (cooperation- institutional dimension of the data management) as building block of the ENI SEIS 1st phase
- to update information on data availability for each of the water quantity and quality indicators as well as operational tools and procedures (infrastructure) for sharing the water data and information at the national scale

A close consultation and cooperation will be ensured with ENI SEIS National Implementation Team of Belarus as well as with EU WI+ and UNECE in order to avoid from possible duplication of similar surveys. For instance, a survey is planned to be conducted by UNECE on the indicators of the Sustainable Development Goals.

European Topic Centre on Inland, Coastal and Marine waters (ETC/ICM) on behalf of the European Environment Agency will conduct the online survey with national institutions of Belarus.

Deliverables

- Metadata catalogue on available data for the respective indicators
- Progress report on current institutional, technological and regulatory dimensions of the online data and indicator management (systems) in Belarus

2.3 Technical workshop on online data, water quantity accounts and indicator management

UNECE Joint Task Force on Environmental Statistics and Indicators has proposed 16 water related indicators ([14]) to be implemented as response to the international reporting obligations. About 8 indicators out of 16 are related to water quantity, 3 are for the freshwater water quality and 2 are linking with marine quality while remained 3 indicators are for waste water management. Belarus has already developed the indicators of C1, C2, C3 and C5 at the national scale and C10 and C11 at river basin level which is almost corresponding almost full set of proposed indicators. The data underpinned the indicators is available for the years 2005-2015 ([15]). However, the indicators are available as a set of statistical tables, not geo-referenced and also not providing the assessment to underpin the national environmental policy processes. Therefore, the current set of indicators will be further improved in line with the EEA indicator guideline for supporting knowledge-based water policy implementations at the river basin and national scales.

A two-day workshop will be organized by EEA in Minsk with the purpose of aligning common conceptual understanding on further developing the water quantity accounts at the river basin scale and implementation of regionally comparable indicators.

[14] www.unece.org/env./indicators.html

[15] http://www.belstat.gov.by/en/ofitsialnaya-statistika/macroeconomy-and-environment/okruzhayuschaya-sreda/the-shared-environmental-information-system/c-water-resources/s_renewable-freshwater-resources/

If that will be else than the Main Information and Analytical Centre ([16]) to be the host of visualisation of geo-referenced water quantity accounts, further exploration with the Belarussian authorities will be conducted during the workshop regarding the most feasible institution for such facility.

The workshop will also elaborate different aspects of the three SEIS components i.e. institutional *cooperation* for data and information sharing, prioritisation of the *content* of data and information in line with the selected indicators as well as designing IT *infrastructure (*tools and application) for the data exchange.

Various national institutions are involved in monitoring and management of water resources in Belarus. For instance, the below table is illustrating the involvement of different agencies in water monitoring and collecting the data (Table 2);

Table 2: Institutions for water monitoring in Belarus ([17])

Monitoring function	**Responsible agency**	**Ministry**
Surface water quantity	Republican Hydrometeorological Centre	The Ministry of Natural Resources and Environmental Protection of the Republic of Belarus
Surface water quality	Republican Hydrometeorological Centre	The Ministry of Natural Resources and Environmental Protection of the Republic of Belarus
Groundwater quantity and quality	Belorussian Research Geological Exploration Institute	The Ministry of Natural Resources and Environmental Protection of the Republic of Belarus
Drinking water sources and quality		The Ministry of Housing and Communal Services of the Republic of Belarus and the Ministry of Public Health
The state water cadastre, generalized data on water resources	Institute of Integrated Use of Water Resources	
Regime and resources of surface waters	Republican Hydrometeorological Centre	
Ground waters	Belarusian Research Geological Exploration Institution	
Water use and water use permissions	Central Scientific Research Institute of Integrated Use of Water Resources	
Monitoring of surface waters according to hydrochemical and hydrobiological indicators	Republican Centre of Radiation Control and Environmental Monitoring	

Note: to be further updated with the feedback from Belarus

In order to ensure the involvement of relevant institutions and experts, in addition to the national water experts, other participants to the workshop will be identified in close cooperation with Belarus NFPs and National Implementation Team.

[16] http://www.nsmos.by/content/175.html
[17] http://enpi-seis.pbe.eea.europa.eu/east/belarus/seis-report-belarus.pdf

By taking into account current state of establishment with the SEIS components in Belarus, the following agenda is proposed for the workshop subject for further revisions with Belarus NFPs;

Introduction of conceptual and methodological frames on the international standards and guidelines

- Communication on the results from the online survey
- Introduction of selected indicators
- International indicator guidelines i.e. EEA Indicator guideline and UNECE online indicator guideline
- Overall introduction of the UN SEEA Water framework with a particular focus on flow and assets accounts and case study from the EEA/EIONET
- Mapping the selected indicators with the International reporting streams, policies and assessments (Reporting to the conventions, SDGs, Green growth, Resource efficiency)

Development of the geo-referenced water quantity accounts as National pilot

- Data harmonization- implementation of WISE SoE water quantity
- Conceptual approach for developing the geo-referenced water quantity accounts at the river basin level
- Institutional roles and responsibilities in developing/further improving the water quantity accounts
- Examples of the European results from the water quantity accounts

Operationalize the implementation of the indicators

- Identifying national water quantity and IT experts
- Identifying national water quality experts
- Defining the data sets for the water quantity accounts and water quality
- Operational plan (Roadmap) of implementation the geo-referenced water quantity accounts water indicators

Based on the outputs from the online survey as well as the workshop in Minsk, further elaboration will be conducted together with Ministry of Ministry of Natural Resources and Environmental Protection of Belarus Republic and the State Statistical Committee regarding the prioritization of indicators. As a first step the below table (Table 3) is tentatively illustrating possible prioritisation of the implementation of the UNECE water indicators in Belarus.

Table 3: Implementation phases of the UNECE environmental indicators in Belarus

C. Water	Indicator description	Data production	Glossary of terms	Implementation year by the ENI SEIS II project	Context
C1. Renewable freshwater	PDF	XLS	PDF	2017/2018	National pilot
C2. Freshwater abstraction	PDF	XLS	PDF	2017/2018	National pilot
C3. Total water use	PDF	XLS	PDF	2017/2018	National pilot
C4. Household water use per capita	PDF	XLS	PDF	2017/2018	National pilot
C5. Water supply industry and population connected to water supply industry	PDF	XLS	PDF	2017/2018	National pilot
C7. Water losses	PDF	XLS	PDF	2019	e.g.SDG-6
C8. Reuse and recycling of	PDF	XLS	PDF	2019	e.g. SDG-6
C9. Drinking water quality	PDF	XLS	PDF	2019	e.g. SDG-6
C10. BOD and concentration of ammonium in rivers	PDF	XLS	PDF	2017/2018	e.g.SDG-6
C11. Nutrients in freshwater	PDF	XLS	PDF	2017/2018	e.g.SDG-6

A close coordination should be ensured between the ENI SEIS II East project, EU WI+ and UNECE at the overall project implementation level so as to mobilize the national policy dialogue for facilitating the establishment of regulatory process for data sharing. In addition, the cooperation is also essential between that projects to avoid from possible duplication in terms of training the experts on data management and IT development.

Deliverables

- Selection of the river basin for implementing the national pilot
- Roles and responsibilities of the institutions in developing the water quantity accounts
- Final list of national experts on water quantity, quality and IT
- Roadmap (Operational plan 2018/2019 and updating the indicator table)

2.4 National pilot; supporting the development of the geo-referenced water quantity accounts at the river basin level

One of the key objectives of this work plan is to support Belarus in increasing their capacity in meeting the commitments towards the regional/international reporting obligations. For that purpose the national pilot will focus on the experimental implementation of geo-referenced water quantity accounts in one of the selected river basins (for instance, upper Dnieper) to underpin integrated water resources management at the river basin level.

The pilot will use the development of water quantity indicators (between C1 and C5) as testing the implementation of UN SEEA Water at the river basin level together with the visualisation of geo-referenced data on the host web-site.

For that purpose, it is expected that the Belarussian authorities will provide the necessary spatial data i.e. boundaries of river basin, river networks together with topologies, location of monitoring stations of streamflows, groundwater levels etc. including the data of monitoring and observations.

The objective is to develop water quantity accounts at the river basin level similar to the indicator of the use of freshwater resources (CSI 018) which is regularly implemented and updated by the European Environment Agency for river basins in EEA member countries ([18]).

EEA/ETC will provide a five days hands-on training to the national water quantity and IT experts working in the water area. The main focus will be given to tools and applications for developing the water quantity accounts, integrating tabular and spatial and data visualisation as it is presented in the CSI 018.

Deliverables

- 1 IT expert trained
- 3 water quantity experts trained

[18] https://www.eea.europa.eu/data-and-maps/indicators/use-of-freshwater-resources-2/assessment-2

2.5 Capacity building in the implementation of the UNECE water indicators

A component of the hands-on training will be focusing on improving the capacities of the national content experts in carrying out the implementation of selected indicators and assessment on water resources management.

National water quantity experts will be trained on;

- Implementation of the asset accounts in line with the UN SEEA Water conceptual framework
- Data harmonization, integration and gap fillings
- Implementation of C1-C5 indicators in line with the EEA indicator guideline
- DPSIR framework for carrying out the assessment

National water quality experts will be trained on;

- Data harmonization, integration and gap fillings
- Implementation of C10-C11 indicators in line with the EEA indicator guideline
- DPSIR framework for carrying out the assessment

Deliverables

- Between 2-4 national water quantity experts trained
- Between 2-4 national water quality experts trained

2.6 Helpdesk support

It is envisaged that once the workshop and the hands-on training have been completed, the respective institutions and national experts will have sufficient level of capacity for carrying out the necessary implementation of the water quantity accounts as well as implementation of indicators. However, during the implementation, they would need some ad-hoc supports around data harmonization, computation of the water accounts, indicator implementation and undertaking the assessment. In addition, the EEA experiences on the EIONET consultation would be provided to the respective institutions in carrying out the consultation with the respective stakeholders (public or civil society organizations) on the indicators and their publications.

Helpdesk support will ensure the continuation of the works in Belarus on the following areas;

- Computation of geo-referenced water quantity accounts (Physical asset accounts)
- Implementation of water quantity indicators (given priority to C1-C5)
- Implementation of water quality indicators (given priority to C10 and C11)
- Public consultation for the indicators
- Publication of the indicators on the national portal

Deliverables

- Water asset accounts available
- C1-C5 are available at the national level
- C10 and C11 are at the national level

2.7 Report on the state of water in Belarus

ENI SEIS II East aims to provide overview water resources management at the regional scale. For that purpose, based on the available data and information gained from the implementation of indicators,

the project will develop a report on the state of water resources in Eastern Europe and the Caucasus. Belarus is encouraged to work collaboratively with the ENI SEIS II East Project team for developing similar report with a view of supporting the knowledge-based policy implementation at the national level. If such report would be available at the national level, then it might be used as main input into the regional report. The regional report will be developed by the European Environment Agency.

Deliverables

- Report on the state of water in Belarus

3 Cooperation and coordination

3.1 Coordination between EEA and National Implementation Team

The overall coordination between EEA and Belarus is going to be ensured by ENI SEIS II East Project team and the National focal points from the Ministry of Natural Resources and Environmental Protection of Belarus Republic and the State Statistical Committee. The inter-institutional coordination will be conducted by the National Implementation Team. In addition, day-to-day communication with the members of the NIT as well as with the NFPs will be kept by the National Assistant of the ENI SEIS II East Project, in Minsk.

A detailed list of project team members is provided under the chapter 5.

3.2 Coordination with other international institutions and projects

In many cases, outputs of ongoing regional and bilateral projects will be used as input for enhancing data availability on water quality and quantity in the ENI SEIS II East project. The EU Water Initiative Plus (EU WI+) (supporting the transboundary water resources management in the Caucasus) is one of examples for those international projects running on the water area in the region. A regular contact with these project at appropriate levels (national and international) will be ensured so as to mobilize available data and information to be used efficiently for the purposes of the ENI SEIS II East project.

4 Implementation phase

As for the time table, the plan is covering the years 2017 and 2019 with possible revisions during the national workshop in Minsk as well as based on the level of advancement in terms of implementation of SEIS principles for the data collection and sharing in Belarus (Figure 2).

Figure 2: Implementation phases of the work plan

Belarus - Project activities - Water (2017-2019)	2017									2018												2019										
	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.
Development of country and regional work plans together with ETC/ICM contracting																																
Appoinment of national freshwater experts																																
Online survey on data catalogues for selected indicators																																
Workshop on online data, water quantity accounts and indicator management																																
Collecting data and information for selected freshwater indicators																																
Hands-on training on online data management and implementation of the indicators																																
Computing water quantity accounts, implementing selected indicators and undertake the assessment																																
Public consultation for the freshwater indicators																																
Publication of data on the national portal of water information system																																
Publishing indicators and visualising the CSI 018 on the national portal																																
Helpdesk support																																
National report on the state of freshwater																																
Report on the sate of water in Eastern Europe and Caucasus																																

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4.1 Deliverables

4.1.1 Main deliverables

No.	Description	NFPs	ETC task manager	EEA responsible	Date
21/1	National water and IT experts identified and thematic expert networks developed	Vladimir Markov Ekaterina Poleshchuk		Nihat Zal	28/10/2017
22/2	Metadata catalogue on available data for the respective indicators		Lidija Globevnik	Nihat Zal	28/02/2017
23/3	Revision of the work plan	Vladimir Markov Ekaterina Poleshchuk	Lidija Globevnik	Nihat Zal	28/02/2017
24/5	Training of national experts	Vladimir Markov Ekaterina Poleshchuk	Lidija Globevnik	Nihat Zal	30/03/2018

4.1.2 Key deliverables

No.	Description	NFPs	ETC task manager	EEA responsible	Date
25/6	Data published online on the website of Institute of Integrated Use of Water Resources/National Statistical Committee	Vladimir Markov Ekaterina Poleshchuk	Lidija Globevnik	Nihat Zal	28/09/2018
25/7	Water quantity accounts and indicators are available	Vladimir Markov Ekaterina Poleshchuk	Lidija Globevnik (until the end of 2018)	Nihat Zal	28/12/2018
26/8	Report on state of water in Belarus	Vladimir Markov Ekaterina Poleshchuk		Nihat Zal	30/04/2019

5. Project team members

Partner	Name and title	Role in the project
EEA	Galina H. Georgieva, Head of Group - European neighbourhood policy activities	Overall execution of the ENI SEISII East Project
	Jean-Nicolas POUSSART, ENI East project coordinator	Coordination of the ENI SEIS II East
	Nihat Zal, Project manager – water, biodiversity, land	Responsible for the overall implementation of this work plan
	Victoria Goncharova, Project officer-Networking and communication	Contact point for the visiblity of project activities
	……., National assistance -	Day-to-day execution of the communication with partners
Belarus	Ekaterina Poleshchuk, National Focal Point - The State Statistical Committee of the Republic of Belarus	Inter-institutional coordination for the project actions- Report on the state of water in Belarus
	Vladimir Markov, National Focal Point - Ministry of Natural Resources and Environmental Protection	Inter-institutional coordination for the project actions – report on the State of water in Belarus
	Aliksandr Pakhomau, Ministry of Natural Resources and Environmental Protection	Responsible for National Pilot- IT for the geo-referenced data integration
	Ekaterina Poleshchuk, Water expert, The State Statistical Committee of the Republic of Belarus	Responsible for implementing the UNECE indicators of C1-C8 including the report on the state of water in Belarus
	……., Water quality expert, ….	Responsible for implementing the UNECE indicators of C10-C11 including the report on the state of water in Belarus
ETC	Dr. Anita Künitzer (UFZ), ETC/ICM manager	Administration of the contract with EEA
	Dr. Lidija Globevnik (TC Vode), task leader	Coordination of a ETC/ICM team, content expert on C10
	Kari Austnes (NIVA), Water expert	C11 content expert (data sources, data extraction, QA/QC, data analysis and visualisation, assessment)
	Gašper Šubelj (TC Vode), IT expert	Hands-on training on IT, helpdesk support, QA/QC
	Luka Snoj (TC Vode), Water informatics (IT)	Online survey, hands-on training on IT, organization of the workshop
	Miroslav Fanta (CENIA), IT expert	WISE data flow, hands-on training on IT, help desk support on IT/data preparation, handling , reporting and quality control issues, support on web map production
	Dr. Maria Mimikou (NTUA), Water expert	Context expert on C1-C5 including UN SEEA Water accounts
	Alexandros Psomas (NTUA), Water expert	Content expert on water quantity and efficiency – hands-on training on C1-C5
	Dr. Evangelos Baltas (NTUA), Water expert	Content expert on water quantity and water scarcity indicators – Hands-on training on C1-C5
	George Bariamis (NTUA), water expert	Content expert on C1-C5, hands-on training on UNSEEA Water and indicator computation

6. Assumptions and risks

The deliverables and key deliverables are very much depending on commitments of Belarus as well as efficiency of collaboration and cooperation between the EEA and the respective national institutions. In the case of low level institutional commitments to the project activities during the implementation phase, there would be a high risk of failure to achieve the key deliverables. The EEA will take necessary dialogue and communication with the National Implementation Team as well as mobilize the Project Assistant to mitigate the impacts of such risks over the key deliverables.