

**Minutes (draft) 2<sup>nd</sup> Regional workshop on new SoE reporting of ETC/ICM with West Balkan countries**

<b>VENUE</b>	Hotel Karpoš, Skopje, FYR of Macedonia	<b>DATE</b>	14-15 September 2011
<b>PARTICIPANTS:</b>	Anita Künitzer, Eva Hasíková, Hana Prchalová, Anne Lyche Solheim, Ifigenia Koutiva, George Karavokyros, Azemine Shakiri, Ljupka Dimovska-Zajkov, Janaki Megovski, Suzana Stojanovska, Tatjana Stojanovska, Vasko Stojov, Maja Aleksovska, Radmila Bojkovska, Risto Jordanovski, Biljana Budzakoska – Gjoreska, Elizabeta Veljanovska – Sarafilovska, Denis Grabocka, Vlora Spanca, Figali Hila, Melita Došen, Darko Borojevic, Đorđa Medić, Merita Mehmeti, Bashkim Kastrati, Fidaim Sahiti, Marija Novakovic, Milorad Jovicic, Aleksandra Djurkovic		
<b>CHAIR:</b>	Anita Künitzer		
<b>RAPPORTEUR:</b>	Eva Hasíková (with corrections by Anita Künitzer)		
<b>USED ABBREVIATIONS</b>	SoE – State of Environment WISE – Water Information System for Europe MS- Member states AL – Albania BA – Bosnia and Herzegovina MK – The Former Yugoslav Republic of Macedonia ME – Montenegro RS – Republic of Serbia XK – Kosovo (under UNSCR 1244)		
<b>ANNEXES:</b>	Annex 1: Agenda Annex 2: List of participants		
<b>Presentations and meeting documents on Eionet Forum:</b>	<a href="http://forum.eionet.europa.eu/eea-west-balkans-cooperation-interest-group/library/etc-icm-west-balkan-ipa_water-2011/2011-2nd-regional-workshop-etc-icm-west-balkan-countries-skopje">http://forum.eionet.europa.eu/eea-west-balkans-cooperation-interest-group/library/etc-icm-west-balkan-ipa_water-2011/2011-2nd-regional-workshop-etc-icm-west-balkan-countries-skopje</a>		

<b>0</b>	<b>Welcome</b>
Anita Künitzer opened the meeting and welcomed the participants. The agenda is at <a href="#">Annex 1</a> . The list of participants is at <a href="#">Annex 2</a> .	
<b>1</b>	<b>Aim of the meeting and sub-group sessions, introduction of participants, approval of the agenda, history to new WISE SoE data</b>
<p>The aim of the workshop is to identify WB countries, which are able to report under the 3 new data flows and to train the participants/NRCs on the data reporting procedures for this data reporting.</p> <p>The invited experts are about 3 per country and will work in the following subgroups:</p> <ol style="list-style-type: none"> <li>1. Water quantity (SoE reporting and special data request on daily stream flow data) – led by Ifigenia Koutiva and George Karavokyros</li> <li>2. Emissions to water – led by Hana Prchalová</li> <li>3. Biological quality elements – led by Anne Lyche Solheim</li> </ol> <p>At the end of the WS each subgroup reported a summary from their subgroup work.</p> <p>The participants were asked to introduce themselves:</p> <p><u>Kosovo (under UNSCR 1244) – Kosovo Environmental Protection Agency/ MESP</u>                  Fidaim Sahiti – expert on emission</p>	

Baskhim Kastrati – expert on water quantity  
Merita Mehmeti – PCP and NRC for rivers and lakes

Albania - Ministry of Environment, Forestry and Water Administration

Figali Hila– expert on emissions  
Vanela Gjeci (Prifti) – expert on biological elements  
Denis Grabocka – expert on water quantity

Montenegro

Marija Novakovic – NRC Groundwater

Serbia – Serbian Environmental Protection Agency

Milorad Jovicic – expert on water quality and quantity  
Aleksandra Djurkovic – expert in biological laboratory

FYR of Macedonia

Sheriban Ramani – expert on chemicals and water quality  
Tatjana Stojanovska – expert on statistics  
Zuzana Stojanovska – expert on waste and water statistics

Croatia

Melita Došen – expert on emission  
Đorđa Medić – expert on water quality  
Darko Barbalić – hydrologist

**Anita gave a presentation on [History of new WISE SoE data](#):**

CENIA has a contract with EEA on the extension of the ETC/ICM work to water issues in the West Balkan countries. ETC/ICM has organized in 2011:

- 1<sup>st</sup> regional workshop – training on Water Directives data reporting (BWD, UWWTD, WFD, E-PRTR), 30-31 May 2011, Zagreb, Croatia
- Country visit – training on established SoE data reporting, 13 September, Pristina, Kosovo (under UNSCR 1244)
- 2<sup>nd</sup> regional workshop – training on new SoE data reporting (SoE WQ, SoE emissions, SoE biological quality elements), 14-15 September, Skopje, FYR of Macedonia
- Country visit in Montenegro in October

Anita informs that the SoE reporting guidance was published in February 2009. It was developed in 2005-2007 by a Drafting Group for SoE reporting under WG D. The Eionet water annual dataflow was renamed to the WISE State of Environment (SoE) data flow. Open issues on transitional and coastal waters, and new SoE data requests on emissions, water quantity and biological quality elements were discussed in 2008 – 2009 under the WG D mandate and at 3 Eionet workshops in 2008. The reporting sheets were updated after these meetings.

Anita presented the overview of reporting sheet. There is a sheet for each reporting category:

- Rivers and lakes
- Water quantity and emissions
- Groundwater
- Transitional coastal waters
- Monitoring sites and QA

The reporting sheets are the base for Data Dictionaries: <http://dd.eionet.europa.eu/>

**2**

**Presentation on WISE SoE data request on water quantity, discussion**

**Ifigenia gave the presentation on [WISE-SoE data request on Water Quantity](#):**

Ifigenia is describing the drivers and needs of WQ reporting, which are supported by DG ENV, EEA and EUROSTAT. The aim of the WQ reporting is to establishing a stable data flow on Water Availability, Abstraction and Use with spatial (RBD, SU) and temporal (month) disaggregation under

WISE.

The development process: The development of SoE#3 reporting sheet is going on since 2008, when the improved data collection on water availability, water abstraction and water use was discussed and agreed by EEA together with countries and Eurostat. The test data exchange to identify reporting resources and capabilities followed. The first Thematic Eionet Workshop 'Water Quantity and Use' was held in June 2008 in Copenhagen with aim to discuss water quantity reporting. The "WQ Reporting Tool" was developed in agreement with the Data Manual (June 2009). The Tool was updated with new functionalities during 2010. The 3<sup>rd</sup> year of WISE-SoE#3 reporting started in 2011.

The reporting process: Ifigenia says that the traditional approach is based on simple Excel sheets, however it has many disadvantages.

The WISE-SoE#3 data are very complex. The data contain a wide range of temporal (annual, monthly, seasonal, daily) and spatial scales (Country, RBD, Sub-Unit, NUTS). It includes a combination of point and areal data, time series and non-time series data. Numerous variables are related to different geographical entities (stations, reservoirs, river basins etc.)

Water quantity reporting tool: It is a Windows application, it is portable and it has minimal hardware requirements and no installation is required. Data from supportive files are loaded on start-up. It has regional files (RBD, SU, NUTS) and reporting stations, the data will be displayed in upcoming years. Data entry Wizard allows seeing stations where the data should be uploaded; it is possible to copy/paste data from XLM and bulk upload. It is possible to ask for support (24/7) via Online help.

Overview of reporting (March 2011): SWQ data were sent by number of countries. In the 2010 reporting exercise, only 2 countries received 2 smiley criteria. After that the smiley criteria were revised. The final decision was to have timely data delivery and to have regional data. The country should have very good status of regional parameters and point parameters to receive 2 smileys.

Drivers and needs: Enhance the topic of water efficiency by development of water accounts at the centre of the assessments of water quantity

- Europe 2020 Strategy
- EEA AMP 2011
- European Commission "Blueprint to safeguard Europe's waters" accompanied by
- EEA extended report on the "State of Europe's water"

Data needs to support the water assets accounting – Stream flow stations and mean daily stream flow data from the past 15 years

Anita concludes there are 2 activities related to water quantity:

- 1) Annual SoE data reporting on water quantity, and
- 2) Stream flow stations reporting (This is supporting the Blueprint report of the Commission, for which EEA is doing water accounting in the catchments)

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**Presentation on WISE SoE data request on SoE emissions to water, discussion**

Hana gave the presentation on [SoE Emissions reporting](#):

The new SoE reporting started since 2008. There was a meeting with countries to identify which data could be reported. The aim of the reporting is to compile indicator factsheets and based on them EEA is producing assessments. The sources of data are the existing regional and national sources. Emission data are required as well under the following EU directives: E-PRTR, UWWTD, WFD; and by Eurostat.

The emission data request includes:

- Aggregated emission load on nutrients, organic matters and HS per spatial units (national RBDs)
- All emissions are separated according: point sources, diffuse sources, detailed source categories
- Gross load – emissions to inland water body

- Net load – important especially for TCM waters, transboundary profile (how much pollutant are coming from one country to another)

There is a list of preferred pollutants, and these substances are marked with a special code. There are more data, but primarily the preferred ones are needed.

The data under EPRTR are aggregated. For point sources it is recommend reporting annually. If the data are similar from year to year, a frequency of 3 years can be used for reporting. Diffuse sources are always reported in a frequency of 3 years.

The emission data model has 5 tables:

1. Spatial unit characteristics and pressures table
2. Nutrients and organic matter emission discharges from point sources
3. Nutrients and organic matter emissions from diffuse sources
4. Hazardous substances emission discharges from point sources
5. Hazardous substances emissions from diffuse sources

The main guidance document is the data dictionary on SoE emissions which is available on Circa.

Hana showed the scheme on Emission source discharges (slide 8 and 9). For TCM only „direct discharges“ are requested. The source from Municipal, Industrial and others can be treated or untreated

The basic division of emissions source categories are 1) point sources and 2) diffuse sources

For emissions, reporters can use an E-PRTR flag if reported already there, but relevant are only UWWT plants above 100 000p.e. or industrial treatment plants under E-PRTR regulation above the threshold value (e.g. 50 000 kg of N per year).

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#### **Presentation on WISE SoE data request on SoE biological quality elements, discussion**

Anne gave the presentation on [Biological quality](#):

Anne is presenting important aspects of SoE for BQEs. The current indicators indicate pressures and chemical state in water bodies. The biological indicators are needed to show the ecological impacts of the pressures. This is the base for the Water Framework Directive and the core objective is to achieve good ecological status. The classification results (there are 5 categories: bad, poor, moderate, good, and excellent) enabling to assess the good ecological status and the planning the programme of measures to reach the target.

EEA is using the biology data in order to improve the EEA state of the environment (SoE) assessments. Indicator based reporting of biological data brings valuable information about human impacts on aquatic ecosystems. Data are provided through WISE SoE data flows. Data on biology (EQRs for single BQEs) will be used to make trend analyses.

SoE Freshwater biology data reporting: Anne presented an overview of biological test data results reported by EEA countries in 2009 and 2010. She showed related graphics on river phytobenthos, river macroinvertebrates, lake phytoplankton, and lake macrophytes . All data are stored in the CDR (Central Data Repository). 22 countries have delivered data. EEA would be happy to receive data from all countries also from the countries that did not participated in the test data exercises CH, CZ, DE, GR, HU, IT, PT and West Balkan countries. WB is included in reporting and the participation will be appreciated. If WB countries would join the reporting they will receive some guidance to get the same level of detail with other countries. The attention has to be paid to reporting instructions. The EEA data request letter was send to WB countries. Reporting sheets for biology are in SoE Guidance. The training how to start reporting will be done in the subgroup on biology by Anne.

**Action for ETC/ICM: The GIS reference layer on country boundaries used by Anne has to be updated, because it doesn't show Montenegro and Kosovo (under UNSCR 1244).**

SoE Coastal & Transitional waters biology data reporting: The test data flow process is going on for TC waters during 2008-2011. Fish was not included, it is a weakness, but the classification is not

developed for most countries. Future work:

- ETC will periodically revise the templates for reporting in accordance to development of IC work and Ecostat group recommendations
- Indicators fact sheets are being developed in the period of 2011-2012
- In 2011 biological data reporting will become part of regular environmental data request
- The countries are encouraged to participate in the regular reporting in 2011

Guidance: Reporting sheets for biology are available in the SoE Guidance:

- Rivers: Macroinvertebrates – Serial no. 5: BIO\_INV\_RV
- Rivers: Phytobenthos – Serial no. 17: BIO\_ALG\_RV
- Lakes: Phytoplankton – Serial no. 6: BIO\_PHY\_LK
- Lakes: Macrophytes – Serial no. 7: BIO\_AQU\_LK
  
- Data model (revised versions from June 2010) can be seen on slide 23 – the red box was added.
- Data dictionary is providing detailed specifications and explanations which data should be reported: [http://dd.eionet.europa.eu/dataset.jsp?ds\\_idf=BiologyRiversLakes](http://dd.eionet.europa.eu/dataset.jsp?ds_idf=BiologyRiversLakes)
- Data templates as spread sheet for the actual data reporting by the countries: [http://dd.eionet.europa.eu/dataset.jsp?ds\\_idf=BiologyRiversLakes](http://dd.eionet.europa.eu/dataset.jsp?ds_idf=BiologyRiversLakes)
- Station information requested - on slide 26
- Biological information requested – on slide 27
- Classification system information requested on slide 28

The annual data request is important because it can lead to trend analysis. If ya country has every 2<sup>nd</sup> or 3<sup>rd</sup> year an observation, it is still ok to be included into the trend analysis. The EQR value is giving the precise position in the classification and it is possible to follow the change to better or more poor status. Important is to link the codes with ID of national station.

5a	<p><b>Sub-group on water quantity, Room “Galerija”</b></p> <ul style="list-style-type: none"> <li>• Practical presentation of <a href="#">WQ Reporting Tool and Manual</a></li> <li>• Special data request on stream flow data from gauging stations for water accounting</li> <li>• Data upload of data brought by participants</li> <li>• Questions on data and reporting</li> <li>• Overview of availability of water quantity data in each West Balkan country</li> </ul>
<p>Presentation and chair by Ifigeneia Koutiva with support from George Karavokiros</p> <p>West Balkan participants:  AL (Albania): Denis Grabocka  RS (Serbia): Milorad Jovicic  ME (Montenegro): Marija Novakovic  HR (Croatia): Darko Barbalić, Melita Dosen  MK (Macedonia, the former Yugoslav Republic of): Suzana Stojanovska, Tatjana Stojanovska, Vasko Stojov  XK (Kosovo, under UNSCR 1244): Kastrati Bashkim, Fidaim Sahiti</p>	
5b	<p><b>Sub-group on emissions to water, Room “Skopje”</b></p> <ul style="list-style-type: none"> <li>• Practical presentation of Data Dictionary <a href="#">Emissions to water</a></li> <li>• Data upload of data brought by participants</li> <li>• Questions on data and reporting</li> <li>• Overview of availability of emissions to water data in each West Balkan country</li> </ul>
<p>Presentation and chair by Hana Prchalova</p> <p>West Balkan participants:  AL (Albania): Figali Hila  ME (Montenegro): Marija Novakovic  HR (Croatia): Melita Došen</p>	

MK (Macedonia, the former Yugoslav Republic of): Sheriban Ramani, Azemine Shakiri, Ljupka Dimovska-Zajkov  
 XK (Kosovo, under UNSCR 1244): Fidaim Sahiti

5c

**Sub-group on biological quality elements, Room “Skopje 1“**

- Practical presentation of Data Dictionary [Biology in rivers and lakes](#) and reporting templates
- Overview of availability of biological data in each West Balkan country
- Questions on data and reporting
- Entering of data brought by participants

Presentation and chair by Anne-Lyche Solheim

West Balkan participants:

AL (Albania): Vanela Gjerci

RS (Serbia): Aleksandra Djurkovic

ME (Montenegro): Marija Novakovic

HR (Croatia): Đorđa Medić

MK (Macedonia, the former Yugoslav Republic of): Biljana Budzakoska-Gjoreska, Elizabeta

Veljanovska-Sarafilovska, Maja Aleksovka, Radmila Bojkovska

XK (Kosovo, under UNSCR 1244): Merita Mehmeti

**6**

**Plenary: Report from subgroups, final discussion, conclusions**

**6a) Report from sub-group on water quantity**

Ifigenia explained that the discussion was focused on parameters needed for SoE water quantity and stream flow data. The difficulties were identified: for the majority of countries are the data available at county level only. The official RBDs codes are missing, the units are needed to be sent from countries to ETC, even data from regional level, which were not officially declared. The RBDs have to be officially uploaded to the CDR before they can be used by the ETC.

Croatia uploaded to the CDR RBDs, but they are old and some changes happened and therefore they have to be removed (Melita to be in contact with Hermann Pfeifer). The data should have codes before they will be uploaded. Anita said that the RBDs GIS reference layer for EU countries was created and West Balkan RBDs will be added when available.

General Conclusions on the subgroup work:

- Very good involvement in the workshop by all the participants.
- Important questions were raised
- Difficulties of reporting:
  - the majority of data is on Country level
  - heavy workload and lack of people makes difficult the provision of data
  - data are distributed in different agencies, institutions and departments
- Reminder:
  - Names and codes of hydrological units (matching RBD level) need to be sent in order to be included in the Water Quantity Tool

Country specific conclusions from the subgroup on water quantity:

Ifigenia presented [Report on WISE-SoE#3 data availability from West Balkan Countries](#) and concluding the status of each country; and George presented [Stream flow stations and data request June 2011](#) and concluding the status of each country:

Country	WISE-SoE#3 on water quantity reporting	Stream flow stations and data request June 2011
Albania	There will be an effort to gather relevant data for WISE-SoE#3 reporting.  Hydrometeorological institute is now in the	An email will be sent to Denis Graboska with the stream flow data request in order to forward it to the responsible Institute in

	University (Department of Sciences) and there is not yet a proper data stream flow between the department and the responsible NFP	Albania.
Croatia	<p>Environmental Agency is responsible for collecting the data for reporting. Hydrometeorological Institute responsible for collecting water availability parameters.</p> <p>Water Availability: Data have been reported on the JQ on Inland Waters</p> <p>Point Data: They are already reporting stream flow and will continue to do so.</p> <p>Water Abstraction &amp; Water Use: National Statistical Office should have this information that is also reported on a country level in the JQ.</p>	<p>Responsible for the data provision is the Meteorological and Hydrological Service</p> <p>Coordination person regarding the stream flow data (Melita Dosen)</p> <p>A follow up email will be sent explaining the urgency of the call.</p> <p>There is no national policy regarding stream flow data and it depends on the data provider</p>
The Former Republic of Macedonia	<p>Water Availability: Hydrometeorological parameters: Some data exist and they will try to report as many data as possible. Additional Water Resources: Statistical office gathers information regarding reused water for industry and mining.</p> <p>Point Data: Point data exist and will continue reporting. There is an online application that gives free of charge water level data. Data gaps and errors due to lack of necessary time and workforce for time series quality control.</p> <p>Water Abstraction &amp; Water Use: Data for public water supply, industry and mining is available mainly on a country level and on administrative level. Water for hydropower generation is probably calculated by the Energy department and there is a need of communication between the departments to send these data.</p>	<p>Stations characteristics are available</p> <p>Stream flow data up to 2004 depending on the station</p> <p>A follow up email to both the Ministry and the Hydrometeorological Institute will be sent reporting the results of this meeting and requesting the data and the official position and national restrictions regarding data handling</p>
Montenegro	<p>Point Data: Water levels and water temperature are given online. Discharge is calculated but there is not any web application for downloading.</p> <p>Water Abstraction &amp; Water Use: Probably these data are gathered by the water department (NRC on emissions should know more)</p>	<p>Marija gave the information of the contact person regarding stream flow data</p>
Republic of Serbia	<p>Water Availability: There is an issue of defining RBDs. Many parameters exist on Country level.</p> <p>Point Data: Stream flow data exist and have been reported in 2008 &amp; 2009.</p> <p>Reservoir inflow/outflow: data probably exist and could be reported in the future. Data for reservoir inflow/outflow are included in the national list of indicators for environmental protection reporting following definitions of the Water Quantity Manual.</p>	<p>A follow up email will be sent to Milorad Jovicic stating the deadlines and requesting the data.</p> <p>Stream flow data from selected representative stations will be sent depending on availability</p>

	Water Abstraction & Water Use: The statistical office has some of the data regarding water abstraction.	
Kosovo (under UNSCR 1244)	<p>Water Availability: Not sure about the availability of these data.</p> <p>Point Data: Mainly water levels are reported and not discharge. Errors may appear in the time series due to lack of time and workforce for time series quality assurance. Reservoir inflow/outflow data exist in the Regional Water Supply directories</p> <p>Water Abstraction: Regional data and points of abstraction exist on water abstraction for public water supply and self-supply (both SW &amp; GW).</p>	<p>Stream flow data and stations characteristics:</p> <ul style="list-style-type: none"> <li>• 27 hydrometric stations measuring water levels</li> <li>• 11 hydrometric stations are working at this moment</li> <li>• Station characteristics are possible to be sent</li> <li>• Stream flow data reporting for as many stations as possible at this moment (maybe 7 or 8 stations)</li> <li>• There are also longer stream flow data series for the period before the war</li> </ul> <p>Contact with the responsible person (Bashkim Kastrati)</p>

West Balkan participants will be informed about the deadline for reporting after the meeting.

Participants summarised their feed-back from the subgroup work on water quantity as follows:

Croatia – Melita send 15 years data; But there is no reply from the institute.

Serbia – no comments

Macedonia – if data are available they will be send

Kosovo – no comments

Montenegro – the contact person from Hydrological institute will be Darko Novakovic

### **6b) Report from sub-group on emissions to water**

Hana summarized the main conclusions from her subgroup:

#### Content of sub-group meeting:

- Data Dictionary and Discharges scheme – detailed explanation of every attribute and relevant code lists
- general discussion about data availability
- detailed approach how available data could be reported to SoE Emissions
- discussion about diffuse sources
- Proposal of participants how to continue in West Balkan project next year and in future

#### Main conclusions:

- Availability of data is not good – most countries started with an inventory of point sources, but there are doubts about the quality of existing data
- Discussion about detailed technical problems is possible, but countries would appreciate help with the data inventory and data management, because most countries are in an early stage of collecting data. Problems with reporting should be solved later.
- Data dictionary seems to be clear in this phase (after explanation), however some gaps were indicated regarding the specific situation of West Balkan countries
- Diffuse sources are in all countries under the responsibility of other governmental bodies, no information was known.
- Countries will have more experiences next year, the West Balkan project should be continued regarding emissions
- Country visits are valuable for oriented help towards the specific situation in each country; regional workshops are important for the general approach and recognizing the same problems or best practise in countries.



Some countries are not sure if they have emission data available and the quality can be poor as well. First, an inventory of emission data needs to be made before data collection and data reporting. Some issues can be added to the DD next year.

Participants summarised their feed-back from the subgroup work on emissions as follows:

**Croatia** – the example of existing data was provided and was very helpful for others as well. Melita is informing that they have some data, but there are not sure about the quality and competence, so she is asking if it can be not public. Anita is saying that on CDR is possible to have public or restricted, than the use of data depends, for SoE are quality assured and goes to WISE. If you are not sure, better to don't report since the data are used for indicators and maps.

**The Former Republic of Macedonia** – SoE emissions last year were provided, they reported IPPC, but no E-PRTR facilities.

Sometimes if easier to provide data on country level, in EPRTR smaller unit so this category should be add.

UWWTD data- there have info about agglomeration and cities. Hana says that it will be very useful to report discharges data and that make the reporting.

**Kosovo (under UNSCR 1244)** – There is no regular collection but the data are from projects, which are limited.

**Albania** – Only water quality data, no possibility to provide data.

**Montenegro** – Situation is not clear, the contact will be provided

### 6c) Report from sub-group on biological quality elements

Anne summarized the main conclusions from her subgroup:

1. Practical presentation of Data Dictionary [Biology in rivers and lakes](#) and reporting templates  
ETC/ICM freshwater quality team leader Anne Lyche Solheim presented the data dictionary (DD) on Biology in rivers and lakes and the reporting templates and showed an example of data reporting done by Cyprus. Concepts were explained and data fields and code list details clarified. Several participants got electronic copy of the DD and the reporting template.

Country specific conclusions from the subgroup on biological quality elements:

The data availability for the different countries are shown in the table below:

Country	Data available now?	When can data become available for reporting?	What data can become available for reporting?
Albania	No	Not sure, only project-data are available now from the Erzen river project and the Skodro lake project	
Croatia	No	End of 2012	All BQEs that are included in the data request
Fthe Former Republic of Macedonia	No	In 2-3 years	Macroinvertebrates Phytobenthos Phytoplankton <i>For lake Ohrid:</i> Phytoplankton Macrophytes Macroinvertebrates Physico-chemical data
Montenegro	No	In 2 years	Macroinvertebrates Phytobenthos
Republic of Serbia	No	In 2-3 years	Macroinvertebrates Phytobenthos

Kosovo (under UNSCR 1244)	No	Not sure, only projects now	Not sure
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Discussion:

The data availability is very limited for all West Balkan countries. There is a need to develop an official typology, classification system and indicators (only unofficial) – it is a prerequisite before starting of reporting. Anne is recommending not to create national typology, but better to set up a Working group to develop that. Countries can also try to adopt existing classification (very good is the Austrian), countries can try to look into what was already developed, Anne can provide countries with contacts. Anne recommends developing a project proposal to develop the typology and classification, the financing to create a WG has to be found.

Conclusions

All participants got a good overview of the bio data reporting tools (DD and template) and a better understanding of the objective and purpose of reporting, as well as of the underlying WFD concepts, including biological quality elements (BQEs), ecological quality ratio (EQR) and classification system.

No countries have any data available for reporting yet, but most countries expect to have such data available in late 2012 or in 2-3 years' time. The countries need time to develop their typology for rivers and lakes, and their indicators for the different biological quality elements (BQEs), as well as their classification system for these indicators (reference conditions and class boundaries). This is important as none of the West-Balkan countries has participated in the intercalibration exercise along with other EU countries.

Country visits were requested by the participants to get better training in the data reporting and on how to develop typology, indicators and set reference conditions and class boundaries. The ETC will ask EEA whether this will be possible next year.

Anne also recommended to the countries the establishment of working groups to develop a common typology and to start discussing the development of classification systems for ecological status for the different BQEs in rivers and lakes.

**6d) General feedback and final conclusions:**

**For 2012/2013, it would be useful to**

- **To have a regional workshop on water quantity reporting**
- **To train on development of emission inventories,**
- **To have country visits on the development of SoE biology, typology, reference conditions, class boundaries.**

The participants concluded that the regional WS is good to share knowledge with other countries and the excursion is valuable as a benefit for collective feeling.

**2<sup>nd</sup> Regional workshop of ETC/ICM with West Balkan countries  
14-15 September 2011, Skopje, The Former Yugoslav Republic of Macedonia**

**Agenda (version 1.4)**


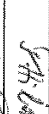


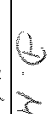




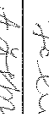






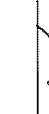


<b>Wednesday 14 September 2011 Plenary on new WISE SoE data Room Galerija</b>			
Chair: Anita Künitzer, Rapporteur: Eva Hasikova			
<b>Time</b>	<b>Agenda item</b>	<b>Title</b>	<b>Presentation and discussion</b>
<b>09:30 – 10:00</b>		<b>Registration</b>	
10:00 – 10:10	0	Welcome	Hosting organisation
10:10 – 10:45	1	Aim of the meeting and sub-group sessions, introduction of participants, approval of the agenda, history to new WISE SoE data	Anita Künitzer
10:45 – 11:25	2	Presentation on WISE SoE data request on water quantity, discussion	Ifigeneia Koutiva
<b>11:25 – 11:40</b>		<b>Coffee break</b>	
11:40 – 12:20	3	Presentation on WISE SoE data request on SoE emissions to water, discussion	Hana Prchalova
12:20 – 13:00	4	Presentation on WISE SoE data request on SoE biological quality elements, discussion	Anne-Lyche Solheim
<b>13:00-14:00</b>		<b>Lunch</b>	
14:00 – 16:00	5a	<p><b>Sub-group on water quantity, Room “Galerija”</b></p> <ul style="list-style-type: none"> <li>• Practical presentation of <a href="#">WQ Reporting Tool and Manual</a></li> <li>• Special data request on stream flow data from gauging stations for water accounting</li> <li>• Data upload of data brought by participants</li> <li>• Questions on data and reporting</li> <li>• Overview of availability of water quantity data in each West Balkan country</li> </ul>	<p>Presentation and chair by Ifigeneia Koutiva with support from George Karavokiros/Ifigeneia Koutiva</p> <p>Data provision by: AL (Albania): Denis Grabocka RS (Serbia): Milorad Jovicic ME (Montenegro): Marija Novakovic HR (Croatia): Darko Barbalić MK (Macedonia, the former Yugoslav Republic of): Suzana Stojanovska, Tatjana Stojanovska, Vasko Stojov XK (Kosovo, under UNSCR 1244): Kastrati Bashkim</p>
14:00 – 16:00	5b	<p><b>Sub-group on emissions to water, Room “Skopje 1”</b></p> <ul style="list-style-type: none"> <li>• Practical presentation of Data Dictionary <a href="#">Emissions to water</a></li> <li>• Data upload of data brought by participants</li> <li>• Questions on data and reporting</li> <li>• Overview of availability of emissions to water data in each West Balkan country</li> </ul>	<p>Presentation and chair by Hana Prchalova</p> <p>Data provision by: AL (Albania): Figali Hila ME (Montenegro): Marija Novakovic HR (Croatia): Melita Došen MK (Macedonia, the former Yugoslav Republic of): Sheriban Ramani, Azemine Shakiri, Ljupka Dimovska-Zajkov</p>

			XK (Kosovo, under UNSCR 1244): Fidaim Sahiti
14:00 – 16:00	5c	<b>Sub-group on biological quality elements, Room “Skopje”</b> <ul style="list-style-type: none"> <li>• Practical presentation of Data Dictionary <a href="#">Biology in rivers and lakes</a> and reporting templates</li> <li>• Overview of availability of biological data in each West Balkan country</li> <li>• Questions on data and reporting</li> <li>• Entering of data brought by participants</li> </ul>	Presentation and chair by Anne-Lyche Solheim  Data provision by: AL (Albania): Vanela Gjerci RS (Serbia): Aleksandra Djurkovic ME (Montenegro): Marija Novakovic HR (Croatia): Đorđa Medić MK (Macedonia, the former Yugoslav Republic of): Biljana Budzakoska-Gjoreska, Elizabeta Veljanovska-Sarafilovska, Maja Aleksovska, Radmila Bojkovska XK (Kosovo, under UNSCR 1244): Merita Mehmeti
<i>evening</i>		<i>Excursion</i>	
<i>20:00</i>		<i>Dinner</i>	

<b>Thursday 15 September 2011</b> <b>Subgroups in the morning</b>			
Time	Agenda item	Title	Presentation and discussion
09:00 – 10:45	5 a,b,c	• Continuation of 3 parallel Subgroups	
<b>10:45 – 11:00</b>		<b>Coffee break</b>	
11:00 – 13:00	5 a,b,c	• Continuation of 3 parallel Subgroups	
<b>13:00 – 14:00</b>		<b>Lunch</b>	
<b>Plenary with country reports from subgroups</b> <b>Room “Galerija”</b>			
Chair: Anita Künitzer, Rapporteur: Eva Hasikova			
Time	Agenda item	Title	Presentation and discussion
14:00 – 16:00	6	<b>Plenary:</b> Report from subgroups, final discussion, conclusions	All
16:00		End of workshop	

2nd regional workshop 2011 of ETC/ICM with West Balkan countries  
14-15 September 2011, Skopje, The Former Yugoslav Republic of Macedonia

List of participants

No.	Country	Name	Institute	Expertise	E-mail	Signature
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3	Albania	Figali Hila	Ministry of Environment, Forestry and Water Administration	Expert on emissions	figali_hila@yahoo.com	
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12	Serbia	Aleksandra Djurkovic	Serbian Environmental Protection Agency	Expert on biological quality	aleksandra.djurkovic@sepa.gov.rs	
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16	The Former Yugoslav Republic of Macedonia	Suzana Stojanovska	State Statistical office	Expert on water quantity	suzana.stojanovska@stat.gov.mk	
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20	The Former Yugoslav Republic of Macedonia	Maja Aleksovska	Hydro-meteorological Administration	Expert on biological quality	maleskovska@yahoo.com	