



Meeting minutes of Sampling WG's meeting at Vienna in the 9th month, contains the main decisions for protocol development

Deliverable D 4.1.2

Project title	Sediment-quality Information, Monitoring and Assessment System to support transnational cooperation for joint Danube Basin water management
Acronym	SIMONA
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The first Sampling WG meeting took place on the 11th April 2019, in the Geological Survey of Austria in Vienna. There were 39 participants at the meeting from 17 different institutions. The members of the Sampling WG were appointed.

1. Task

1. The development of transnationally harmonized sediment sampling protocols for HSs

1.1. Proposal for sampling design and monitoring

1.2. Method/s for sampling technique and procedure

1.3. Establishing of protocols

Decisions:

1.1. Proposal for sampling design and monitoring

- The proposal of sampling design should rely on the experiences of the projects: FOREGS, GEMAS and DanubeSediment;
- Sampling strategy have to consider the current status in the countries given in questionnaires;
- Sampling protocols should as much as possible meet needs in the most countries (different river system, small/large rivers, small/large unpolluted/polluted floodplain, etc.);
- Workflow of the developing of sampling protocols has to follow
 - Directive 2008/105/EC (Environmental Quality Standards Directive) and
 - Water Framework Directive 2000/60/EC (WFD) with the Common Implementation Strategy for the Water Framework Directive (2000/60/EC);
- The most relevant is the **Guidance Document No. 25** (Guidance on Chemical Monitoring of Sediment and Biota under the Water Framework Directive).

1.2. Method/s for sampling technique and procedure

Following prescribed standards ISO 5667 series of standards important for sediment sampling:

- Design of sampling programs [ISO, 2006];
- Preservation and handling of samples [ISO, 2003];
- Sampling of rivers and streams [ISO, 2005];

- Sampling from lakes [ISO, 1987];
- Sampling of bottom sediments [ISO, 1995];
- Guidance on preservation and handling of sludge and sediment samples [ISO, 1999];
- Others relevant standards.

1.3. Establishing of protocols in which will be prescribed:

- Selection of sediment sampling stations;
- Sediment fraction to be analyzed;
- Volume of sample;
- Sampling frequency;
- Equipment for sampling;
- Choose of sediment sampling tools;
- Transport of samples;
- Storage of samples;
- Sampling Quality Control (e.g. number of field duplicates).

2. Task

2. For SIMONA Sampling WG members the following assignments were formalized:

- Leader of Sampling WG sends all members of this group email with additional information about expert materials (guidelines, protocols, etc.) future work and next meeting of WG till 30th April 2019;
- Leader of the Sampling WG will organize a workshop at the end of the June or at the beginning of July in Zagreb with the focus of development of the sampling protocols;
- The sampling protocols should be developed till August 2019;
- The partners should buy all needed ISO and other relevant standards.