

The scenarios will be developed through a three phase approach: I) the first phase will be a 'fast track' Pan-European scenario exercise using existing information derived from global or regional scenarios; II) the second phase will involve pilot area scenario enrichment; and III) the final phase will be drawing together of results and dissemination of the scenario outputs.

An important step in scenario building is the establishment of a scenario panel and a scenario team. The scenario team is a selection of 6-8 experts responsible for the coordination of the scenario development process and most steps in parameter quantification. The scenario panel is a small core group of key stakeholders that is assembled at the start of the project and that is responsible for the actual development of the storylines.



Photo: Kasper Kok

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IHEL, Ukraine
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Envisioning the Future of Water in Europe

The SCENES project '**Water Scenarios for Europe and for Neighbouring States**' is a 4-year research project that started in late 2006. The aim is to develop and analyze a set of comprehensive scenarios of Europe's freshwater futures up to 2025. The project area covers all of "Greater" Europe reaching to the Caucasus and Ural Mountains, and including the Mediterranean rim countries of north Africa and the near East.



The SCENES scenarios will

- provide a reference point for long-term strategic planning of European water resource development,
- alert policymakers and stakeholders about emerging problems,
- allow river basin managers to test regional and local water plans against uncertainties and surprises,
- be both qualitative and quantitative.

The **qualitative scenarios** (storylines) provide an internally consistent picture of how water resources in different parts of Europe may develop. The analysis will not only focus on water quantity but also on water quality, chemical and ecological aspects, with special regard to the requirements of the Water Framework Directive.

The **quantitative scenarios** complement the storyline by providing numerical information. These results, produced by state-of-the-art models, will 'enrich' the qualitative scenarios by showing trends and dynamics not apparent in storylines.

SCENES is jointly funded by EC 6th Research Framework Programme (Contract number: 036822) and the research programmes of the collaborating organizations.

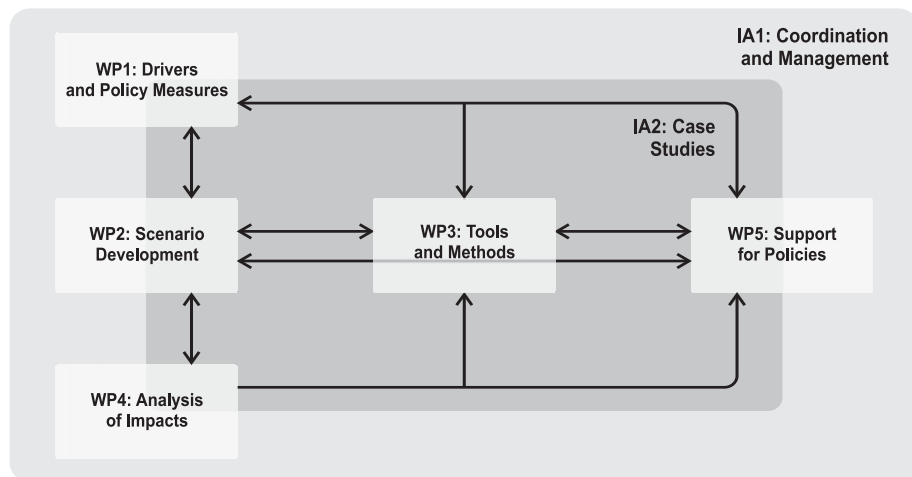


For more information:

<http://www.environment.fi/syke/scenes>



The workpackages and integrating activities



WP1: In **Driving forces and policy measures** we compile and specify the driving forces and policy measures that are needed as input to the development of scenarios at both the European and pilot area scale.

WP2: In **Scenario development** we construct qualitative multi-scale scenarios with a high level of stakeholder involvement and developing methods that are primarily qualitative or semi-quantitative in nature.

WP3: In **Modelling tools and methods** we develop and apply new models, tools and methods and modify existing ones needed for constructing scenarios and for analysing the impacts resulting from them.

WP4: In **Impact Analysis** we analyse the scenarios and assess the socio-economic, environmental and ecological consequences for different type of water system services that are expected to be impacted by the various futures for waters, as depicted by the different scenarios.

WP5: In **Support for Policies** we organize the participatory processes for scenario building, synthesize the comprehensive and complex results of the project, disseminate them to specific users and the general public, give training and support for planning of water issues on European and regional levels, and plan an on-going effort at scenario analysis in Europe.

IA1: The **Coordination and management** of the whole project.

IA2: The **Case studies** provide pilot areas in four regions for data consolidation, scenario evaluation and impact assessment. In addition this activity aims to facilitate

information exchange, dialogue and partnerships between specialists working at the pan-European, regional and pilot area scales.

SCENES will produce scenarios on the Pan-European and pilot area scales to deal with specific environmental issues such as drought, floods, eutrophication and industrial and domestic water output.

Photo: Seppo Rekolainen



Photo: RAF Benson



BALTIC REGION

- transition of agriculture
- privatization of water supply systems
- mixed trends in water consumption both municipal and industry
- probably increasing GDP and the changes in the life style
- HELCOM future

BLACK SEA REGION

- change in agriculture, unknown future
- salinization of the irrigated fields
- decapitalization of hydraulic structures
- unknown future for the ownership and operation of water supply and sewage treatment plants
- consumption of water by heavy industry
- negative population trends

MEDITERRANIAN REGION

- water stress
- land use change
- water use, irrigation
- population trends, immigration
- change in agricultural policy

LOWER DANUBE REGION

- economic transition
- water pollution issues
- change in agriculture and land-use
- flood and drought management

Photo: Seppo Rekolainen



Photo: Frank Farquharson

