



CC-WARE: tasks and schedule.

Most of the activities are jointly developed to guarantee a transnational approach. The multidisciplinary integration of the knowledge from different target groups is building the basis for the elaboration of a transnational framework for integrative source water protection, enabling a strategic development of national action plans. Special dissemination activities ensure knowledge transfers and awareness rising, especially for pre-accession countries.

work package “Vulnerability of Water Resources in SEE”

Evaluation of climate change as vulnerability indicator

- Selection of the most appropriate climate parameters
- Determination and definition of homogenous regions with respect to climate indices
- Assessment of the impact of climate change for all selected indicators
- Selection and evaluation of indicators in the partner countries (geological, hydrogeological, hydrological and socio-economic indicators)
- Preparation of a map of homogenous areas in SEE according to all selected indicators

Evaluation of water quantity and quality vulnerability

- Elaboration of a set of parameters for the evaluation of water resources vulnerability
- Evaluation of water resources quantity vulnerability by means of a set of indicators
- Elaboration of a common methodology for the mapping of water quantity vulnerability in the present and future
- Preparation of a transnational SEE quantity vulnerability map
- Evaluation of the existing land use and preparation of a SEE land use map
- Elaboration of a joint methodology for determination of water quality vulnerability and a respective map
- Determination of critical areas and illustration of prioritised activities needed for the sustainable management of water resources in the SEE area

Integrated assessment and classification of drinking water risks under climate change

- Development of a joint methodology for integrated drinking water vulnerability mapping
- Production of a drinking water vulnerability map for SEE area
- Selection and evaluation of a set of indicators
- Identification of drinking water scarcity by using appropriate indicators for the present and future
- Determination of an integrated drinking water vulnerability index by combining water quantity and quality characteristics
- Preparation of a guideline of water related land use on transnational level
- Identification of data gaps in current monitoring of vulnerability indicators on national level

work package “Management options for mitigating vulnerability of drinking water resources”

Analysis of relevant legislation and improvement of land use regulations

- Provision of an overview about relevant legislation and policies for drinking water supply and protection as well as land use on EU level, national level and on regional level
- Evaluation and identification of the related improvement potential

Ecosystem service assessment and improvement under climate change

- Definition of operational criteria and indicators to define the functionality of ecosystem services (ES)
- Classification of the ecosystems into homogenous areas regarding similar hydrological behaviour and management options
- Identification and assessment of the current status and overview about the possibility for an improvement of the ES
- Assessment of the sensitivity of ecosystems to climate change and land use management
- Elaboration of management options for different climate regions and ecosystems

Identification of benefits from improving water use efficiency and economic incentives for water management

- Strategic screening of the water supply system (water losses, water consumption)
- Elaboration of a common catalogue of recommendations and management options for water use efficiency

Evaluation of best practices of drinking water management

- Compilation of a best practice catalogue for the protection, preservation and enhancement of ES related to drinking water supply for analysed homogenous areas regarding ecosystems
- Evaluation of the best practices with respect to their potential effectiveness
- Communication processes for the stakeholders and land use managers

work package “Transnational Strategy for national and regional Action Plans”

Development of an integrated transnational strategy

- Development of a guidance paper based on the results of the vulnerability assessment and possible management options for each homogenous area

Establishment of a framework for national/regional Action Plans

- Development of the content and structure of a national/regional action plan
- Derivation of critical areas within the homogenous areas by each country and selection of appropriate management options
- Preparation of a national strategy paper for the implementation of an action plan taking also account of EU legislation and strategies

Knowledge transfer to pre-accession SEE countries

- Organisation of two knowledge transfer workshops for increasing information about EU policies and legislation and giving feedback to the applicability of the transnational strategy