

FIRST FREEWAT USER AND DEVELOPERS

INTERNATIONAL WORKSHOP

How successfully has FREEWAT been applied to case studies? How helpful has been FREEWAT to facilitate data analysis, and model development, and to streamline the application of WFD? What do we expect from the FREEWAT platform in the future? These are questions that we would like to discuss with the FREEWAT users during the first FREEWAT users and developers international workshop together with a feedback of the FREEWAT users about their experience using the new platform. At the same time, we would like to start interacting with new developers interested in contributing with new tools to sustain and increase the tools available in FREEWAT.

Starting the discussion with the presentation of the results for the FREEWAT case studies will provide a common background on what is the FREEWAT status in terms of practical application. The open discussion in the afternoon will be organized around questions and suggestions and the discussion facilitated by a panel of expert. Social media will be used to enhance the interaction with all the developers and users attending.

Thursday, September 21th

Chairman: FREEWAT Steering Group

(Rudy Rosetto, Iacopo Borsi, Laura Foglia, Massimiliano Canata, Enric Vázquez-Suñé)

(5 min) 9:00: Greetings and welcome (**Enric Vázquez-Suñé**, IDAEA)

- **(15 min) 9:05-9:20:** General introduction on the workshop outline and FREEWAT

Rudy Rosetto (SSSA)

- **(15 min) 9:20 - 9:35:** Work Package 4 and 5: General presentation.

Massimiliano Canata (SUPSI)

- **(1:15 h) 9:35 -10:50:** Work Package 4 - Presentation from the 5 case studies

(15 min per each case study) **Andreas Kallioras (NTUA/AMDC)**

- Dewatering control in the Selisoo mining area (Estonia)
- Water management in Lake of Lugano (Switzerland)
- Follonica-Scarolino Aquifer exploitation control within River Basin Management Plan (Italy)
- Mediterranean coastal aquifer system management. Lavrion aquifer system case (Greece)

- Application of FREEWAT tools to support Velké Žernoseky zone (Czech Republic)

(30 min) 10:50 - 11:120: Coffee break

- **(1 h) 11:20 - 12:20:** Work Package 4 - Presentation from the 4 case studies (15 min per each case study) **Andreas Kallioras** (NTUA/AMDC)
 - Climate change evaluation in the Banat Plain (Romania)
 - Introducing FREEWAT tools to improve water resource management in Vrbanski plato zone (Slovenia)
 - Analysis of sea level and groundwater recharge variations by climate change. The Bremerhaven case study (Germany)
 - Aquifer management in the Malta Island (Malta)
- **(1:15 h) 12:20 - 13:35:** Work Package 5 - Presentation from the 5 case studies (15 min per each case study) **Youssef Filiali Meknessi** (UNESCO)
 - Vulnerability zones by Nitrates in Navarra (Spain)
 - Groundwater resources evaluation for agricultural purposes in the Palas Basin (Turkey)
 - Water resource management in the Massaciucoli basin (Italy)
 - Understand the interaction between the water balance and land cover pattern to develop and quantify scenarios for changes in the land use, water consumption, and climate (Ukrania)
 - Transboundary Aquifer System managment. The Stampriet aquifer case (Namibia – Botswana – South Africa)

(1h) 13:35 - 14:35: Lunch

- **(45 min) 14:35 – 15:20:** Work Package 7 - Guidance on model-supported application of EU water-related Directives for water quantity and quality
Laura Foglia (TUDA)

(30 min) 15:20 - 15:50 Coffee break

- **(2 h) 15:50 – 17:50:** Summary and Open discussion: How successfully has FREEWAT been applied to case studies? What do we expect from the FREEWAT platform in the future? Which are the problems faced by the users and which are the suggestions to resolve them? How new developers would like to contribute? And more!
- **(20 min) 17:50 – 18:10:** Close the session