Common International Conference on Integrated Groundwater Management of Mediterranean Coastal Aquifers

https://www.scoast-medsal.tuc.gr/

Detailed programme

Time Zone: Athens, Attica, Greece, Eastern European Summer Time (UTC+3)

DAY 1 - Tuesday September 27th, 2022

13:00 – 13:30	Welcome and Participants Registration
13:30 – 14:30	**Lunch**
14:30 – 16:00	Parallel Sessions Sustain-COAST/MEDSAL
16:00 – 16:50	**Coffee Break**
16:45 – 17:00	Formal welcome and greeting from the official authorities of Chania
17:00 – 17:30	Welcome and Presentation of the PRIMA Project Officer, Mr. Marco Orlando
17:30 – 18:00	Welcome and Presentation of the Sustain-COAST PRIMA project, Prof. George Karatzas
18:00 – 18:30	Welcome and Presentation of the MEDSAL PRIMA project, Dr Evangelos Tziritis

DAY 2 - Wednesday September 28th, 2022

Each presenter has 15 minutes at his/her disposal (12 min presentation + 3 min questions)

Session 1 Tools and methods for groundwater salinization and/or overall quality assessment (hydrogeology, hydrogeochemistry, environmental isotopes, monitoring, modelling, artificial intelligence and geostatistics)	
10:00 – 10:15	Deciphering factors governing salinization of Tarsus Coastal Aquifer (Mersin, SE Turkey) using an integrated data analysis approach combining multivariate statistics, GIS and hydrogeochemical modelling techniques Güler et al.
10:15 – 10:30	Analyzing the dynamics of groundwater salinization in coastal aquifers through statistical and hydrogeochemical approaches: strengths and future outlooks Parisi et al.
10:30 – 10:45	Assessment of groundwater quality in Pinios Hydrologic Observatory, central Greece Kinigopoulou et al. (presenter: Dr. Pisinaras)
10:45 – 11:00	Evaluation of spatio-temporal changes in groundwater quality of Tarsus Coastal Aquifer (Mersin, Turkey) using GIS techniques and water quality indices Güler et al.
11:00 – 11:30	**Coffee Break**
Session 2 (Online session) Tools and methods for groundwater salinization and/or overall quality assessment (hydrogeology, hydrogeochemistry, environmental isotopes, monitoring, modelling, artificial intelligence and geostatistics)	
11:30 – 11:45	Monitoring of Groundwater Quality for Irrigation Purposes Using Classical Methods, Case of Study: The Shallow Aquifer of Oriental Coast, Cap-Bon, Northeastern of Tunisia

	Yahyaoui et al.
11:45 – 12:00	Assessment of groundwater contamination and salinity sources in the Bouareg and Gareb aquifers (northeast Morocco) Elmeknassi et al.
12:00 – 12:15	Inclusion of hydrological information for classifying groundwater quality data Panagiotou et al.
12:15 – 12:30	Predicting seawater intrusion using artificial intelligence-based models for the optimal and sustainable use of groundwater in coastal aquifer: Case of Monastir, Tunis. Mejdoub et al.
12:30 – 12:45	Contamination using DRASTIC and GIS Methods in Central-Tunisia: Arid Zone Missaoui et al.
12:45 – 13:00	Residence time and origin of intruded saltwater Külls et al.
13:00 – 13:15	Assessment of the impact of including hydrological information in the classification of groundwater quality data Panagiotou et al.
13:30 – 14:30	**Lunch**
Session 3 Tools and methods for groundwater monitoring at coastal aquifers (ICT tools, multi-probe sensors, web-GIS applications, integrated telemetric observatories)	
15:00 – 15:15	Indirect methods for defining the hydrodynamic response of a complex coastal karst aquifer Balacco et al.
15:15 – 15:30	Initial results from the development and operation of a sensor-based groundwater salinization monitoring network in Rhodope, Greece Pisinaras et al.
15:30 – 15:45	Evolution of pollution sources at last decade of wadi el bey watershed area Akrout et al.
15:45 – 16:00	The subsidence of the coastal aquifer of Comacchio: an interesting challenging Pedretti et al.
16:00 – 16:30	**Coffee Break**
Session 4 (Online session) Tools and methods for groundwater monitoring at coastal aquifers (ICT tools, multi-probe sensors, web-GIS applications, integrated telemetric observatories)	
16:30 – 16:45	Monitoring of Saltwater intrusion in the Chtouka aquifer (Agadir - Morocco) Neyens et al.
16:45 – 17:00	Identification of Groundwater Potential Zone through Geospatial mapping using AHP method of Multi-criteria Decision Making in Tons-Ghaghara Interfluve Region Hashim et al.

20:00	**Sustain-COAST and MEDSAL partners Dinner** Restaurant Michalis (Akti Tompazi - 54-56 Sourmeli, 73132 Old harbor Chania)

DAY 3 - Thursday September 29th, 2022

Each presenter has 15 minutes at his/her disposal (12 min presentation + 3 min questions)

Session 5 Numerical flow and transport modelling for groundwater assessment and sustainable management of coastal aquifers	
10:00 – 10:15	Variable density flow modelling in coastal aquifers of Greece and Tunisia Doulgeris et al.
10:15 – 10:30	Development of a groundwater map for the Mediterranean region combining global models and in-situ data Ben-Salem et al. (presenter: Dr. Jomaa)
10:30 – 10:45	A numerical flow and transport model for sustainable groundwater management of the coastal aquifer system of the Arborea plain, Sardinia (Italy) Lincker et al. (presenter: Prof. Schäfer)
10:45 – 11:00	Quantitative groundwater modelling of the Wadi El-Bey watershed (Tunisia) Baccouche et al. (presenter: Prof. Schäfer)
11:00 – 11:30	**Coffee Break**
Session 6 Best practices and innovative technologies for sustainable water management / Sustainable actions to avoid groundwater depletion	
11:30 – 11:45	Barriers to the application of "Adaptive Management" to coastal aquifers Werner et al.
11:45 – 12:00	Aposelemis Projects: the largest hydraulic project of the region of Crete Gyparakis
12:00 – 12:15	Groundwater Recharge Time Series Estimation Supported by Earth-Observation Data: A Case Study of the Gediz River Basin Alluvial Aquifer Batkan et al. (presenter: Prof. Alper Elçi)
12:15 – 12:30	Modelling the Water-Energy-Food-Ecosystem Nexus in the JRC Trichakis et al.
12:30 – 12:45	The DRASTICA method a decision support tool: Case of the Annaba region. East Algerian Larbi et al. (online presentation, presenter Dr. Bouhsina)
Session 7 Water governance, conflicts and stakeholder analysis	
12:45 – 13:00	Re-thinking social complexity throughout the stakeholder mapping. A sociological approach to water governance analysis Deriu et al.
13:00 – 13:15	Identification of suitable regions for intentional recharge of aquifers through multi-criteria decision analysis and stakeholders' involvement Panagiotou et al. (online presentation)
13:30 – 14:30	**Lunch**
Session 8 Assessment and modelling of coastal aquifer susceptibility to salinization and/or other pollution	
15:00 – 15:15	Pollution Vulnerability Assessment of Arborea Coastal Aquifer (Sardinia, Italy) by Modified AHP-DRASTICLu Model Using GIS Yıldırım et al.
15:15 – 15:30	Investigation of the Pollution Vulnerability of Malia Coastal Aquifer (Crete, Greece) by Modified AHP-DRASTICLu Model Based on GIS Yıldırım et al.
16:00 – 16:30	**Coffee Break**
16:30 – 18:00	**General Discussion Sustain-COAST and MEDSAL PRIMA projects**

DAY 4 – Friday September 30th, 2022
Tour in Malia case study for Sustain-COAST and MEDSAL partners

08:00 - 10:30	Departure (KRITI HOTEL)
10:30 - 12:20	Water Treatment Plant of Aposelemis Dam and visiting the Aposelemis Dam
12:30 - 13:45	**Lunch in Krasi Village** (It is not covered by the Conference)
14:00 - 15:15	Malia Wetland and Archaeological site of Malia in Potamos (Chersonisos Municipality)
15:30 - 17:00	Old Female School of Malia – Welcome from the local women of KOIPODI
17:00 - 19:30	Departure and arrival in Chania