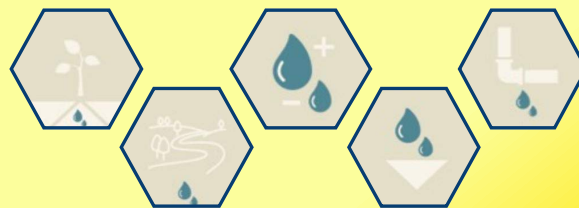


1st International LIFE REWAT Summer School

Digital water management and water-related agroecosystem services: geostatistics, hydroinformatics and groundwater flow numerical modelling



September 3rd—14th, 2018
Scuola Superiore Sant'Anna
Pisa, Italy

International Workshop

*Digital water and nature based solutions:
innovative tools for sustainable water management*

10th September 2018

Aula Magna - Scuola Superiore Sant'Anna
Piazza Martiri della Libertà, 33 - Pisa (Italy)

Participation is free, limited seats available.

Registration is mandatory. To register, please send an e mail to Simone Maria Piacentini (s.piacentini@santannapisa.it), providing the following info:

- Name
- Surname
- e-mail
- Institution
- Type of Institution (university/research, water utility, river basin authority, governmental authority, enterprise, freelance).

Should you change your mind after registering, please let us know before September the 5th.

For further information, please contact:

Simone Maria Piacentini – s.piacentini@santannapisa.it
Tel. +39050883506

Training credits will be acknowledged to Italian geologists.

Partecipazione gratuita, numero di posti limitato.

La registrazione è obbligatoria. Per registrarsi inviare una mail a Simone Maria Piacentini (s.piacentini@santannapisa.it), comunicando:

- Nome
- Cognome
- e-mail
- Ente di appartenenza
- Tipologia di ente (università/ricerca, gestore servizio idrico, autorità di bacino, ente governativo, società di consulenza, libero professionista).

In caso dopo esserti registrato tu decida di non partecipare, ti chiediamo la cortesia di darcene comunicazione entro il 5 Settembre.

Per ulteriori informazioni contattare:

Simone Maria Piacentini – s.piacentini@santannapisa.it
Tel. +39050883506

Il Workshop verrà accreditato dall'Ordine dei Geologi.

AGENDA

Convener	Start	Finish	Speaker	Presentation title	Affiliation
	08:45	09:10	Registration		
	09:10	09:20	Luca Sebastiani	<i>Welcome greetings</i>	Scuola Superiore Sant'Anna - Institute of Life Sciences Italy
	09:20	09:30	Rudy Rossetto	<i>Opening session</i>	Scuola Superiore Sant'Anna - Institute of Life Sciences Italy
	09:30	09:50	Konstantina Toli	<i>The Non Conventional Water Resources Programme in the Mediterranean: Local solutions for water security</i>	Global Water Partnership-Mediterranean (GWP-Med) Greece
	09:50	10:10	Stefan Uhlenbrook	<i>Nature-base Solutions for Water Management - Key-findings of the UN World Water Development Report 2018</i>	UNESCO World Water Assessment Programme (WWAP) Italy
	10:10	10:30	Elena Lopez-Gunn	<i>Nature based solutions to decrease water related natural hazards and the Nature Insurance value: the NAIAD project</i>	I-Catalist (H2020 NAIAD project) Spain
	10:30	10:50	Reinder Brolsma	<i>Planning Nature Based Climate Resilience</i>	Deltares The Netherlands
	10:50	11:10	Coffee Break		
	11:10	11:25	Alberto Lamberti	<i>LIFE AGROWETLANDS II: agriculture and water management in an area at risk of salinization</i>	Università degli Studi di Bologna (EU LIFE AGROWETLANDS II project) Italy
	11:25	11:35	Joanna Czekaj	<i>PROLINE-CE: efficient practices of land use management integrating water resources protection and non-structural flood mitigation. Common strategy for Central Europe</i>	Silesian Waterworks PLC (EU INTERREG PROLINE-CE project) Poland
	11:35	11:55	Stevie Swenne	<i>LIFE Belini - Green infrastructure for making a leap forward towards good status in the river basin of the Scheldt</i>	Flanders Environment Agency (EU LIFE-IP Belini) Belgium
	11:55	12:10	Rudy Rossetto	<i>Applying nature-based solutions for increasing resilience to water scarcity: the LIFE REWAT experience</i>	Scuola Superiore Sant'Anna - Institute of Life Sciences (EU LIFE REWAT project) Italy
	12:10	12:20	Alessandro Fabbrizzi	<i>Il progetto Interreg T.R.I.G.-Eau per la resilienza dei territori ai cambiamenti climatici</i>	Consorzio di Bonifica 5 Toscana Costa (EU INTERREG T.R.I.G.Eau project) Italy
	12:20	12:50	Wolfgang Schmid	<i>Concepts of Participatory Modelling within an Integrated Hydrologic Model Framework</i>	Scientific and Industrial Research Organisation (CSIRO) Australia
	12:50	13:10	Gabriel Anzaldi	<i>Digital Single Market of Water services: Towards Water Predictive Management</i>	Eurecat - Centro Tecnológico de Catalunya (EU ICT4Water initiative) Spain
	13:10	14:00	Discussion		
	14:00	15:00	Lunch		
	15:00	17:00	Round Table <i>From pilot demo-sites/applications to large scale transferability: how to move innovations to the water market</i> <i>Speakers from the morning session as well as representatives from relevant companies/institutions will discuss the role of innovation in the water market and leverages and actions to spread sustainable water management practices to the real world</i>		

WORKSHOP PRESENTATION

The EU LIFE REWAT project (*sustainable WATER management in the lower Cornia valley through demand REDuction, aquifer REcharge and river REstoration*; <http://www.liferewat.eu>), co-financed by the EU, takes place in the coastal Cornia River plain (Tuscany, Italy). There, the aquifer system provides the only source of water for drinking, irrigation, industrial purposes and it also contributes to the water needs of the nearby Elba island. Intensive exploitation of groundwater resulted in consistent water balance deficit, causing subsidence, reduction of groundwater dependent ecosystems, and salinization of freshwater resources.

Making sustainable the use of the water resource is the main objective of the project.

This is achieved by means of **innovative concepts** such as those of **water-related agroecosystem services** and **nature-based solutions** and massive use of **Information and Communication Technologies** (ICT; sensors and software). Five demonstration measures (river restoration; Managed Aquifer Recharge; reuse of treated wastewater for irrigation; high-efficiency irrigation scheme; leakage management in water distribution systems) are set in place for promoting water resource management, along with capacity building and participatory actions. ICT tools are widely used to manage and to monitor the impact of such actions on the groundwater resource.

To address these issues, the 1st LIFE REWAT International Workshop "*Digital water and nature based solutions: innovative tools for sustainable water management*" will present the views of relevant keynote speakers on how nature-based solutions for water may help to decrease water-related natural hazards in terms of increasing resilience to drought, floods, ameliorating water quality, and adapting to climate change.

The workshop will start with presentations providing an overview on the concepts of nature-based solutions for water, their use and diffusion at global scale for different purposes. The topic of using non-conventional water resources will also be dealt. Showcase of EU co-financed projects (from the LIFE and the HORIZON 2020 programmes) will help in demonstrating the use of these solutions in real applications. ICT applications for the management of green/blue infrastructures will also be presented and the possibility for opening a digital market for water services discussed.

In the afternoon, in the two-hours Round Table "*From pilot demo-sites/applications to large scale transferability: how to move innovations to the water market*", speakers from the morning session as well as representatives from relevant companies/institutions will discuss the role of innovation in the water market and leverages and actions to spread sustainable water management practices to the real world. Attendees will have the possibility to share their views, comments and pose questions to the speakers both during the presentations, the morning session discussion, and the afternoon Round Table.

The workshop is co-organised within the context of the **European Innovation Partnerships on Water** (EIP WATER; www.eip-water.eu) – Action Groups "*Managed Aquifer Recharge Strategies and Actions*" and the **ICT4WATER** cluster initiative (www.ict4water.eu).

Participation is free. Registration is mandatory (see the leaflet cover for registering).

There are only 80 seats left. The official language of the International Workshop is English – translation in Italian via headphones will be available.

On September 11th a field trip to the innovative pilot sites (Managed Aquifer Recharge scheme, river restoration works, and the high-efficiency irrigation scheme) is foreseen. Participation is free, limited seats are available on a bus- for which registration is mandatory.

Luca Sebastiani, Scuola Superiore Sant'Anna - Institute of Life Sciences (Italy)



Luca Sebastiani is the Director of the Institute of Life Sciences at Scuola Superiore Sant'Anna Pisa. He is a professor in Arboriculture and Forest Systems and has published over 130 journal articles, reports, book chapters, and a books. He is studying since 30 years the physiology of plant under abiotic stresses such as drought, salinity, inorganic and organic xenobiotics. He serve as Associate Editor in Agricultural Water Management, and is also active in the Editorial Board of Plant Growth Regulation and South African Journal of Botany.

Rudy Rossetto, Scuola Superiore Sant'Anna - Institute of Life Sciences (Italy)



Rudy Rossetto is Researcher at Scuola Superiore Sant'Anna. Rudy deals with surface and subsurface hydrology and he holds a MSc in Earth Science from Uni. of Pisa (IT), a MSc in Geoenvironmental Engineering from Cardiff Uni. (UK), and a PhD in Engineering Geology from Uni. of Siena (IT). Main research fields are development and application of GIS integrated groundwater and solute transport numerical models to water management issues (special focus on the Mediterranean environment) and the analysis of functionalities of blue infrastructures (phyto-treatment plants and Managed Aquifer Recharge schemes) for the provision of water related agro-ecosystem services. Rudy coordinated the recently funded EU HORIZON 2020 FREEWAT project (FREE and open source software tools for WATER resource management www.freewat.eu) and WP8 leader in EU FP7 MARSOL (Managed Aquifer Recharge as a solution to drought and water scarcity www.marsol.eu) Sant'Alessio induced riverbank filtration case study. Coordinator of the Italian - Israeli bilater project PHARM-SWAP MED (removal of PHARMaceuticals from the Soil-Water-Plant continuum in MEDiterranean Environment) and technical coordinator of the EU LIFE REWAT project (www.life-rewat.eu). Since 2012 he is Co-Editor in Chief of Acque Sotterranee-Italian Journal of Groundwater (<http://www.acquesotterranee.online/index.php/acque>). More info at https://www.researchgate.net/profile/Rudy_Rossetto

Konstantina Toli, Global Water Partnership-Mediterranean (GWP-Med, Greece)



Konstantina Toli holds a BSc in Chemistry and MSc in Environmental Chemistry & Technology. With a diverse experience in various managerial positions, Ms. Toli joined in 2009, as Senior Programme Officer, the Global Water Partnership – Mediterranean (GWP-Med) Secretariat (www.gwpmed.org), one of the 13 regional organisations of the Intergovernmental Organisation (IGO) Global Water Partnership. She has since then been leading and is the focal point within GWP-Med to two agendas in the Mediterranean: (i) Non Conventional Water Resources and Integrated Urban Water Management, and (ii) Water Security-Migration -Employment. She has hands-on experience, having implemented more than 110 small and medium scale water infrastructure projects in 38 Mediterranean islands in 4 European countries (Cyprus, Greece, Italy, Malta), where water scarcity, climate variability and energy challenges jeopardise their sustainable development. She also advises local and national governments on water management issues and is a member of the Greening the Islands Awards Committee.

Stefan Uhlenbrook, UNESCO World Water Assessment Programme (WWAP, Italy)



Since November 2015, Professor **Stefan Uhlenbrook** is the Coordinator of the UNESCO World Water Assessment Programme (WWAP programme) and the Director of the Programme Office on Global Water Assessment in Perugia, Italy. Before that he worked at UNESCO-IHE as Professor of Hydrology (since 2005), Deputy Director (Vice-Rector) for Academic and Student Affairs (2000-2014) and Director a.i. (acting Rector; 2014-2015). He did his PhD (1999) and habilitation (2003) at the University of Freiburg, Germany. He is also a professor for experimental hydrology at Delft University of Technology, The Netherlands (since 2009). Professor Uhlenbrook's main expertise includes water assessments, hydrological process research, river basin modelling and water resources management. Many of his research and development projects have demonstrated the impact of global changes on water cycle dynamics in different hydro-climate regions in Africa and Asia. He is keen on translating science-based water knowledge to effective policies and strategies that contribute to environmental, economic and societal sustainability. Therefore, Stefan is involved in supporting Member States in achieving the Sustainable Development Goals (SDG), particularly SDG 6 on Water and Sanitation.

Elena Lopez-Gunn, I-Catalist (Spain)



Elena Lopez-Gunn is the Founder and Director of ICATALIST and a Visiting Fellow at University of Leeds (part of the water@leeds in the United Kingdom). She finished her PhD at King's College, London. She holds a Masters from the University of Cambridge, and a Master in Investigative Journalism, Data Management and visualization from the University Juan Carlos I with "El Mundo" newspaper. She was an Associate Professor at IE Business school and a Visiting Senior Fellow at the London School of Economics as Alcoa Research Fellow. Professionally, Elena has collaborated with a number of organizations including UNESCO, FAO, UNDP, EU DG Research and Innovation, universities (Spanish and Dutch) and river basin agencies, the England and Wales Environment Agency, as well as the private sector like Repsol, and NGOs like Transparency International-Spanish Chapter. She has published on a range of topics mainly related to water security, social innovation, collaborative decision making, water governance, evaluation of public policy, knowledge management and transfer. Her current main focus is on climate change adaptation and the role of green infrastructure, as well as groundwater strategic management.

Reinder Brolsma, Deltares (The Netherlands)



Reinder Brolsma is a specialist on urban hydrology at Deltares, integrating knowledge on hydrology, urban-heat islands and ecohydrology. He applies his experience to increase flood resilience and water security of urban areas, i.e. water sensitive urban design. He has worked on projects on sustainable drainage systems in e.g. Amsterdam, Rotterdam, Berlin, New Orleans, Oaxaca and Beira. To facilitate the climate adaptation process he had a leading role in the Adaptation Support Tool for co-creating spatial designs of sustainable urban water systems, with successful application in the communities of e.g. Berlin, Utrecht, Guayaquil and London. Next to that he did several measurement and modelling studies on the cooling effect of surface water and vegetation on the urban heat island. His PhD research at Utrecht University focused on the effect of climate change on carbon and water balance of forest ecosystems.

Alberto Lamberti, Università degli Studi di Bologna (Italy)



Alberto Lamberti is full professor in Engineering Fluid Mechanics since 1980, in service at the University of Bologna. Member of the Institute of Bologna Academy of Science, of the Editorial board of journals "Coastal Engineering" and of "Studi costieri". Partner and coordinator of PRIN projects, of CEU funded RTD projects and of projects funded by the national and regional governments on river and coastal engineering. Author of more than 100 publications presented at Conferences and at international journals with referee. His main research areas are: littoral hydrodynamics, sediment transport, coastal engineering, torrent and river engineering.

Joanna Czekaj, Silesian Waterworks PLC (Poland)



Joanna Czekaj has a 7-year experience in hydrogeology. Her main field of research is groundwater-surface water interaction, especially the problem of groundwater interaction with artificial, drinking water reservoirs. As a research assistant at the University of Silesia, Joanna is carrying out her research and conducting several courses for students, oriented mainly to GIS, water resources modelling and its application in sustainable water resources management. One of the most important aspects of Joanna's work is research implementation under R&D activities. Currently, Joanna is working at R&D department in one of the biggest water supplying company in Poland – Silesian Waterworks PLC and her responsibilities include managing of PROLINE-CE project, co-funded by Interreg CENTRAL EUROPE program.

Stevie Swenne, Flanders Environment Agency (Belgium)



Stevie Swenne is an economist and head of international cooperation of Flanders Environment Agency. Over the past 10 years, he facilitated the participation of Flanders Environment Agency in more than 40 EU initiatives including Interreg, LIFE and H2020 projects in the fields of water, air quality and environmental reporting. Pursuing active collaboration between governance, research, industry and a wider public, particular achievements were accomplished by setting up and managing the Interreg NWE Joaquin project (2011-2015) focusing on measuring emerging health-related air quality parameters, and the assessment of the impact of potential measures. With LIFE Belini (2016-2026) he has set up an initiative bringing together all Belgian actors to tackle significant pressures on the water system in the Scheldt river basin. In addition, his particular interest is in the engagement of different stakeholders and the general public on environmental challenges. In this regard he is also the communications lead of the Interreg NSR project TOPSOIL (2016-2020) focusing on groundwater management, and of the Interreg NWE project BE-GOOD (2016-2021) aiming to extract value from public sector open data.

Alessandro Fabbrizzi, Consorzio di Bonifica 5 Toscana Costa (Italy)



Alessandro Fabbrizzi è un Dirigente del Consorzio 5 Toscana Costa, Responsabile della Trasparenza e della Prevenzione alla Corruzione. Coordinatore del progetto T.R.I.G.-Eau, finanziato dal Programma Interreg Francia-Italia Marittimo 2014-2020, che si pone l'obiettivo di come far fronte all'aumento continuo delle zone urbanizzate che rende difficile controllare il deflusso delle acque all'interno dei centri abitati e favorire invece la realizzazione di infrastrutture verdi (tetti verdi, cisterne, pavimentazioni permeabili, bacini di infiltrazione, ecc..), i detombamenti dei corsi d'acqua, con il coinvolgimento di tutti gli attori in campo. Coordinatore del Progetto LIFE REWAT (sustainable WATER management in the lower Cornia valley through demand REDuction, aquifer Recharge and river Restoration). Il progetto mira a realizzare una strategia partecipata per la gestione sostenibile delle risorse idriche (contratto di fiume) e la realizzazione di interventi pilota di ricarica della falda in condizioni controllate, riuso di reflui trattati a fini irrigui, riqualificazione fluviale, sub-irrigazione a goccia per la riduzione dei consumi in agricoltura e riduzione delle perdite dalle reti acquedottistiche.

Wolfgang Schmid, Scientific and Industrial Research Organisation (CSIRO, Australia)



Wolfgang Schmid is a Senior Research Scientist at the Australian Commonwealth Scientific and Industrial Research Organisation (CSIRO). During his time at CSIRO, Dr Schmid has worked on (a) Sustainable water management in Western Australia, (b) Integrated basin modelling projects in South Asia, (c) Bioregional Assessments of the impacts of Coal Seam Gas and coal mining development on water resources, (d) Direct, indirect and cumulative impacts of coal seam dewatering and related land subsidence, and (e) Groundwater pathway analysis to assess impact of fracking chemicals. Prior to joining CSIRO in 2012, Dr Schmid worked as Assistant Research Professor and Research Hydrologist at the University of Arizona mainly on computational solutions of water resources management in arid and semi-arid areas. He and Randy Hanson from the USGS are the original authors of 'The Farm Process' for MODFLOW now integrated by the USGS California Water Science Center into MODFLOW-OWHM (<http://water.usgs.gov/ogw/modflow-owhm>). Before that, Dr Schmid worked as Hydrogeologist in consultancies in Germany and the United Arab Emirates for the German companies GTZ (German Technical Cooperation) and Dornier-Consulting (subsidiary of EADS Germany) with emphasis on groundwater exploration, groundwater modelling, and contaminant hydrogeology.

Gabriel Anzaldi, Eurecat - Centro Tecnológico de Catalunya (Spain)



Gabriel Anzaldi has an extensive and multidisciplinary experience along Digital Technology life cycle, holding different positions such as Researcher; Project Manager; R&D Director; and CTO, collaborating with entrepreneurs, SMEs and large companies. He is Electronic Engineering by IESE, Advanced Studies in Electronic Technology by UPC, Telecommunication Engineering by UPM, achieved his MSc in Telecommunications by ITBA, and MSc in communications at the US Signal Centre. As Director of EURECAT's Smart Management Systems Unit, focuses his research on intelligent management tools, interoperable platforms, open data environments and knowledge management solutions, specially implemented to improve collaborative decision making between multi-level stakeholders. In particular, they are highly specialized in applied research of new technologies (Big Data Analytics, IoT, Artificial Intelligence, Machine Learning, etc.) deployed along multiple water value chains. Mr. Anzaldi collaborates and Co-Lead the ICT4WATER cluster prompted by EASME and EC DG Connect. As EC external Expert, has published the "Action Plan to Digital Single Market for Water services" covering an strategy set of actions and activities related to R&D and possible regulation in the area of digital water; enhancing emerging water issues (current and future trends) in terms of data sharing, interoperability, standardization, smart data, cybersecurity, water awareness, policy and business plans. Membership of professional bodies: Open Geospatial Consortium (OGC®), Water Supply and Sanitation Technology Platform (WssTP), Board of the ICT4Water (Digital Agenda for Europe), Big Data Value Association (BDVA), Alliance for internet of things (AIOTI).

JOINING THE AFTERNOON SESSION

Francesca Lotti, Kataclima S.r.l. (Italy)



Francesca Lotti, PhD in Hydrogeology, is a consultant hydrogeologist and partner at Kataclima srl. She has 17 years of experience in field investigations and numerical modelling of any degree of complexity and scale, from the small domain of contaminated sites and geothermal systems, to the basin scale of groundwater management and mines environmental assessment. She collaborates with research institutions and international companies. She is adjunct professor at the University of Camerino, supervisor of many students/PhD/interns, trainer at professional courses and lecturer at II level Masters.

Michele Ferri, Distretto Idrografico delle Alpi Orientali (Italy)



Michele Ferri is the scientific development manager at the Alto Adriatico Water Authority (AAWA) where he is in charge of coordinating hydrological research applied to the emergency field and developing scientific activities in support of the Regional Civil protection's Emergency Control Centre. He has an academic background (PhD) in Hydrodynamic and Environmental Modelling (University of Padua) and he was the responsible for AAWA of several European projects (Life+07 Trust, FP7 KultuRisk, FP7 Marsol, FP7 WeSenselt, ESA Crowd4Sat, H2020 BeAware). He has led the development of the Citizen Observatory in Vicenza, where citizens contribute positively in the field of emergency management, collaborating to technology design and engagement strategy development and promoting initiatives such as training courses and education programs approved by the Italian Ministry of Education, University and Research. He is currently responsible of the application of the Citizen Observatory as a mitigation measure of the Flood Risk Management Plan throughout the Hydrographic District of the Eastern Alps, starting from the Brenta-Bacchiglione River Basin. He was the organizer of the International COWM2016 conference about the role and opportunities for active participation of citizens in monitoring and environmental policies, in response to the challenges of the Framework Directive on Water (2000/60/EC) and the Floods Directive (2007/60/EC): an important opportunity of sharing applied research topics about the potential of Citizen Science in the Water Governance between universities, research institutions, local government and professionals of the water management sector.

Giancarlo Gusmaroli, Centro Italiano per la Riqualificazione Fluviale (CIRF, Italy)



Giancarlo Gusmaroli has an academic background in Environmental Engineering, over the last 15 years he advises at national and international level in the field of sustainable and integrated river basin management. Main professional skills embrace watercourse governance, sustainable urban drainage, fluvial hydro-morphology and river restoration. His expertise deals specifically with inclusive and integrated decision making processes at catchment scale. He has been lecturer at undergraduate and postgraduate academic courses and masters, so as speaker at several national and international conferences on water related issues. Since 2014 he is in charge of the Technical Direction of the Italian Centre for River Restoration (www.cirf.org) and since 2017 he serves as management board member of the European Centre for River Restoration (www.ecrr.org). Between 2011 and 2015 he has been charged of the scientific coordination of the LIFE AQUOR project (implementation of a participatory strategy for water conservation and artificial groundwater recharge to quantitatively restore the groundwater balance in the Vicenza Upper Plain). Currently he is the scientific coordinator of the Interreg Med "WetNet" project, whose main objectives are the testing and dissemination of voluntary-based public-private agreements for the inclusive management of protected wetlands at Mediterranean scale.

Iacopo Borsi, TEA SISTEMI S.p.A. (Italy)



Iacopo Borsi is an applied mathematician with more than 16 years of experience on modeling industrial and environmental processes, with emphasis on physical modelling. Specific skill in flow in porous media description, single and multi-phase, with particular interest in hydrological/hydrogeological processes (groundwater flow and solute transport). Expertise in software tools, GIS modeling and programming languages. Teaching experience at national and international level. Author of one monograph and more than twenty-five papers in international journals. Reviewer for international journals on applied and industrial mathematics, environmental and chemical engineering. Since 2012, Co-editor in chief of *Acque Sotterranee - Italian Journal of Groundwater*. Since 2013, Member of Managing Board of SIMAI (Italian Society for Applied and Industrial Mathematics). Member of IAH and IAMGS (International Association for Mathematical Geosciences). Iacopo is currently employed as Senior Environmental Modeler at TEA Sistemi SpA, an Italian private company delivering research and consultancy services in energy and environment sector.

Fabio Masi, IRIDRA S.r.l. (Italy)



Fabio Masi is R&D Manager and Technical Director of the Italian engineering company IRIDRA Srl, since 1998 and Vice-President of Global Wetland Technology (companies association) since 2012. His background is a PhD in Environmental Sciences and a MSc in Environmental Chemistry. He's the former Chair of the IWA SG on Wetland Systems for Water Pollution Control. He is the project co-author for over 450 Designs of Constructed Wetlands worldwide and author of more than 90 scientific papers. He has been consulting for Sustainable Water Management projects in Europe, Asia, Africa and South America. He is involved in EC funded projects in the FP5, FP7, MEDA, ENPI-CBCMED, Horizon202, Interreg and Life+ programs.

Ennio Marcello Trebino, ASA S.p.A. (Italy)



Ennio Marcello Trebino is the CEO of ASA S.p.A., the water utility company managing integrated water management in the 5th District Tuscany Coast, and Managing Director of OLT Offshore LNG Toscana S.p.A., a Company providing regasification services in Livorno, since 2004. His academic background is a degree in Mechanical Engineering and he holds almost 30 years of experience in drinking and waste water services and in the gas field. His professional experience began in the area of construction of nuclear power plants and robotic equipment. Then he passed to water services and gas management with the charges of Strategic Marketing Director in AMGA and Marketing Director of Water Market and Communication and Merger and Acquisition in IRIDE Acqua Gas-IREN S.p.A. He has also been Member of Managing Boards of several companies of water market (AMGA, AMTER, ASTEA, AIGA) and the Managing Director of ASA Trade, a trading gas Company.

CREDITS

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