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Editorial

More involved than ever on the international level, the good practices sharing between professionals is only one of the many ways chosen by IRIDRA to always get at the top of innovative technology and help countries throughout the world to cope with water shortages and sanitation problems.

At a national scale, IRIDRA works its best through its constructed wetland treatment plants to improve sustainable water management practices and contribute to make national guidelines evolve : thus, in the “Updated Italian Manual and Guidelines 2012: Treatment Wetlands for municipal/domestic wastewater” published by ISPRA (Italian Institute for Environmental Protection and Research), several IRIDRA designed systems are explained in detail in the case-studies section.

In this Newsletter

SWMED.....1

NaWaTech kick-off meeting..... 1

West Bank, Palestine 2

Dairy CW in Sri Lanka.....2

Castelluccio di Norcia3

Kerakoll GreenLab Project..... 3

Gorla Maggiore3

1st International WATERBIOTECH
Conference3

IRIDRA’s new website

Last WATACLIC workshops



SWMED – Tunis and Gozo

The objectives of the SWMED project are to promote, in each participating countries in the Mediterranean area (Italy, Sicily, Malta, Palestine, Tunisia), policies aimed at satisfying water and sanitation needs of the population while reducing water abstraction and improving quality of water bodies receiving wastewater. Compared to other projects in which IRIDRA involved, such as ZerO-M project , SWMED is focused mainly on policy objectives and more importance has been given to the participative approach of key-actors and stakeholders. [Read and see more on the Album about the 1st Technical Meeting in Gozo, Malta](#), and [the meeting at Tunis](#).



NaWaTech kick-off meeting Pune, India

The NAWaTech kick-off meeting took place on August 2012 in Pune, India. NaWaTech Europe project is closely interconnected with the partner project NaWaTech India. In order to reach the maximal impact the two projects have formed one common work plan for both projects, targeting the same objectives, will present their results at the same web-site and formed a joint management team. Providing adequate water supply and sanitation, particularly in urban areas, is a challenging task for governments throughout the world. NaWaTech stands for natural water systems and treatment technologies to cope with water shortages in urbanised areas in India. [Read more](#) and [see the Album](#)



IRIDRA has a new website!

Please visit our new website www.igidra.eu and access in four languages (Italian, English, French and Spanish) a wide range of information about the themes related to our core activities, constructed wetlands and sustainable water management. You also have a focus on our projects through our Curriculum, Publications and our IRIDRA's Experiences menu! For fresh news about IRIDRA, have a look on our [Facebook page](#), which is constantly updated!



[13th International Conference in Wetland Systems for Water Pollution Control](#)

The biennial meeting of the IWA Specialist Group on the Use of Macrophytes in Water Pollution Control will be hosted and organised by Murdoch University, Perth, Western Australia in collaboration with IWA and AWA.

25-29 November 2012

Dr. Fabio Masi will be present as keynote speaker with a paper on "Multistage Constructed Wetlands Systems for Municipal Wastewater Treatment"

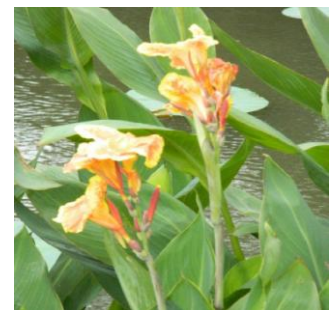
[Read more](#)



West Bank, South of Hebron, Palestine

A new IRIDRA mission in the West Bank, South of Hebron, Palestine. Still working with Oxfam Italia in ECHO Food Security funded projects, Eng. Nicola Martinuzzi is supervising the realized systems (treatment of greywater by CWs for reuse in fodder production) and defining the design of 3 new systems that will be realized in the next months.

[Read](#) and [see more on the Album](#)



Dairy CW in Sri Lanka

IRIDRA is working on a new cooperation project in Sri Lanka for the NGO ICEI: we are taking care of the design and supervision of the realization works for the constructed wetland treatment plant at the service of a dairy factory which has been implemented by the NGO action and cofunded by Cariplo foundation in the Peradenya University of Kandy, the most important in Sri Lanka and located in a wonderful tropical park in Kandy. [Read more](#)



Castelluccio di Norcia

Castelluccio is one of the best hotspot of Central Italy, with its spellbound village and the great plateaus at 1400 m a.s.l. in the Sibillini mountain park. The new Constructed Wetland will treat the wastewater of Castelluccio village and touristic structures, that progressively pass from less than 50 person during winter to 1000 or more person during summer. The current treatment plant is inadequate to support this great oscillation. The new CW is constituted by a French scheme multistage system of 1800 m² followed by two parallel free water-pond system as polishing stage and recreational amenity (the pond will hold several rare aquatic plants typical of the Castelluccio plateau). In September 2012 the two-stage French vertical system was put in operation; the completion of FWS systems will happen in spring 2013 when the aquatic plants will be established. [Read more](#)



Kerakoll GreenLab project

IRIDRA, in collaboration with StudioBios Associati, took care of the Water Management Design for the Kerakoll GreenLab Project. Kerakoll GreenLab is a highly innovative project of enormous impact on European industrial culture, and a place where GreenBuilding comes to life right before your eyes. Indeed, the new research centre will be a global benchmark for the development of Green Technology applied to building materials and to research and innovation on issues relating to the environment and healthier homes, thanks also to the cooperation of scientific bodies and universities. IRIDRA and StudioBios Associati designed sustainable urban drainage Systems for the Kerakoll Green Lab. [Read more](#)



On October 16th, after 3 years of work all around Italy, 38 events, 1400 experts and 650 organisms involved, the WATACLIC project team presented the final National Conference of WATACLIC project in Roma. This European project managed by Ambiente Italia, Emilia Romagna and IRIDRA dealt with sustainable urban water management. [Read more about the final conference program](#) and the [WATACLIC project](#)

The last WATACLIC workshops :

October 4th 2012, Workshop on sustainable water management (SWM) in urban areas, Heraklion, Crete. [Read the program](#)

September 20th 2012, Workshop on sustainable water management (SWM) in urban areas, Bucharest, Romania. [Read the program](#)

Upcoming :

December 13th 2012, case study visit tour at Kerakoll Research Center at Sassuolo, Italy. [Read more](#) and [subscribe](#)



Gorla Maggiore - 2012 CSO Treatment

Combined sewer systems are sewers that are designed to collect rainwater runoff, domestic sewage (+ eventual industrial wastewater) in the same pipe. Most of the time, combined sewer systems transport all of their wastewater to a sewage treatment plant, where it is treated and then discharged to a water body. During periods of heavy rainfall, the wastewater volume in the combined can exceed the capacity of sewer system. For this reason, combined sewer systems are designed to overflow occasionally and discharge excess wastewater directly to nearby streams, rivers or other waterbodies. These overflows, called combined sewer overflows (CSOs), contain not only stormwater but also untreated wastewater. The GORLA MAGGIORE CSO TREATMENT PLANT, designed by IRIDRA in collaboration with Studio Maione, is the first system realized in Italy for this kind of application. [Read more](#)



1st International WATERBIOTECH Conference

The 1st International WATERBIOTECH Conference took place on October 9-11th 2012, at the National Research Center (NRC) Cairo, Egypt. This Conference brought environmentalist, water specialist, professors, scientists, engineers, and technicians' from all the corners of Africa, Europe, Asia, and USA under one roof and discuss the major challenges of Water Biotechnology and sustainable water supply in Africa. It also provided an opportunity for the international partners in the field to share their experiences and develop networking with regional scientists Fabio Masi, Technical Manager of IRIDRA, was invited as keynote speaker. [Read more](#)



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