

May 2012 – Issue n°1



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## Editorial

Since 1998 when IRIDRA was founded, the interdisciplinary professionals (biology, chemistry, engineering) that compose the society are quite proud to conciliate innovative technologies and environmental preservation, with a multi-years experience in sustainable water management and in particular in treating waste water by natural extensive systems like Constructed Wetlands.

It is also in our philosophy to share and diffuse the good practices in sustainable water management and sustainable sanitation we encounter in our professional field and those we contribute to, all around the world, with a wide range of partners. This is the purpose of this newsletter whose first issue you are reading, of IRIDRA's facebook page and new website. Now, let's meet virtually, and physically at the upcoming events !

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### Landfill leachate treatment by CWs - Taglietto 1 and 2 Rovigo, 2010

The Taglietto system represents the first example in Italy of landfill leachate treatment plant based on CW. A feasibility study regarding the treatment of the landfill leachate produced by landfills Taglietto 1 and Taglietto 2 was conducted on behalf of Ecogest srl in year 2005. This study has individuated the CWs as best solution for the leachate treatment. At the moment the plant is under start up and it is fed with fresh water to test the waterproofing and ensure a good plant establishing.

[Read more](#)



### 2011-2012 “Toscana Ecoefficiente” Award Winery Val delle Rose

IRIDRA Srl won the Award for excellence “Toscana Ecoefficiente” 2011-2012 for the constructed wetland treatment plant of the winery Val delle Rose. The “Toscana Ecoefficiente” Award that has been established by the Tuscany Region, rewards every year exemplary eco-efficient actions. In 2010, IRIDRA started the constructed wetland project in Val delle Rose (Grosseto, Italy), in order to give the new wine-producing firm a treatment system. [Read more](#) and [watch the video](#)  
[See more on the Album](#)



## IRIDRA has a new website!

Please visit our new website [www.igidra.eu](http://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!

## Upcoming events



**Workshop "Economical tools for urban water sustainable management"**, on 4 June 2012, at Vicenza, Italy. [Read more and subscribe](#)

**Seminar "Carbon footprint of integrated water services and microgeneration in aqueduct systems"**, on 7-8 June 2012, at Università di Genova, Italy. [Read more and subscribe](#)

**Technical Seminar "Water and Rules"**, on 12 September 2012: visit of the building complex of Pregarziol (Italy), designed and built according a sustainable approach. [Subscribe](#)



## WATACLIC at the World Water Forum

From 12th to 17th of March, the **6th World Water Forum** took place in Marseille (France). More than 2000 delegates from 180 countries attend the event which aimed at finding solutions to the water issue. **Giulio Conte**, associate of IRIDRA and collaborator of the Research Institute Ambiente Italia, participated and presented the **WATACLIC project**.

[Read the interview](#)



## NaWaTech

The NAWATech Europe proposal 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. This task is made even more difficult due to predicted dramatic global changes. In order to cope with water shortages in urban areas, there is a need for a paradigm shift from conventional end-of-pipe water management to an integrated approach. [Read more](#)



## AGRO-ENVIRONMED

**AGRO-ENVIRONMED** is an interregional cooperation project, co-financed by the European Regional Development Fund through the MED Programme. Its main objective is to encourage eco-innovation in companies belonging to the Mediterranean Agro-food Sector, particularly SMEs, by the creation of a platform which promotes the transfer of technologies and best environmental management practices. IRIDRA is involved in the project as dairy industry expert. [Read more](#)



## OpenNESS

Despite improved understanding of the links between ecosystem health, provision of ecosystem services and human well-being, further conceptual and empirical work is needed to make the ideas of ecosystem services (ESS) and natural capital (NC) operational. OpenNESS will therefore develop innovative and practical ways of applying them in land, water and urban management: it will identify how, where and when the concepts can most effectively be applied to solve problems. To do this, it will work with public and private decision makers and stakeholders to better understand the range of policy and management problems faced in different case study contexts (ranging across locales, sectors, scales and time). [Read more](#)



## 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.

**Dr. Fabio Masi will be present as keynote speaker with a paper on “Multistage Constructed Wetlands Systems from municipal wastewater treatment”**

**25-29 November 2012**



**Summer school on:**  
Constructed wetlands for wastewater treatment and reuse.  
**Ortigia, Siracusa 2-6 July 2012**



## **Orhei, Moldova - 2012**

The city of Orhei was equipped with an old wastewater treatment plant, a high rate percolating filter, very expensive especially for its localisation on top of the hill where the city wastewater has to be pumped up, and no longer sufficiently effective for the treatment itself of the whole city. For this reason the Moldovan government, under a World Bank programme and relative feasibility study, decided to replace it with a constructed wetland system at the service of about 26000 inhabitants, and few agro-industries. [Read more](#)



## **Cospe, EU Food Security, Cuba 2012**

IRIDRA is working on a consultancy for the NGO Cospe for the identification of new strategies and approaches in the water management, especially in regard to agricultural practices and animal breeding, in two provinces in the Eastern part of Cuba: Las Tunas and Manzanillo.

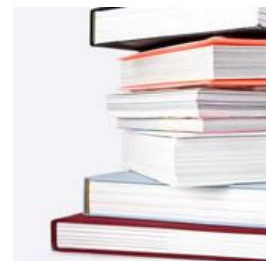
[See the album](#)



## **Pentolina Upgrading 2012**

In 1998, IRIDRA managed a project of constructed wetland at the tourism resort of Pentolina, in the Municipality of Chiusdino, Province of Siena. This plant is a tertiary treatment system for the effluent of a total oxydation plant (with forced oxygen) designed for 500 P.E. The constructed wetland system is composed of one horizontal subsurface flow basin of 550 m2. The system is characterized by a strong fluctuation of the number of users, that periodically changes from a few units during winter (10-15 P.E.) to 500 P.E. during summer.

[Read more](#)



## **ME3**

IRIDRA is an associate partner in the ME3, the European Joint Masters in Management and Engineering of Environment and Energy. ME3 is an international double-degree program that allows students to study in up to 3 European countries.

[Read more](#)