

Italy – China Workshop

“Sustainable Technologies for Controlling Water Consumption in Agriculture”

September 22, 2015

10.00 am to 1.00 pm

China Corporate United Pavilion,
Milan Expo Exhibition Center, Milan

- Combating the aridity
- Improving the water management
- Increasing the water productivity
- Optimizing the water consumption
- Preserving the fertility of the soil and the quality of products

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The effective utilization of **renewable water resources** in agriculture is a significant challenge in many areas of the globe. The agricultural sector is the largest water consumer accounting globally for about 70% of total water abstraction. **Changes in bio-geophysical** cycles associated with global warming are expected to further worsen the water crisis in arid and semi-arid zones, and to also increasingly affect temperate regions. **Climate change** together with rapidly growing demand of water for industrial and urban uses is likely to put under unprecedented pressure the limited water resources for agriculture.

The workshop is focused on the latest scientific findings about improved **watering management**, increased **water productivity** and the optimization of **water consumption** in agricultural watering process, preserving the fertility of the soil, the quality of products and combating aridity. The aim is to promote techniques that could **counteract land degradation** and water shortage, ensure food security and accelerate the adoption of improved agricultural practices and technologies to meet current and future constraints imposed by climate change.

The highly interactive and **interdisciplinary environment** will permit to exchange and share ideas among participants.

Sessions are devoted to the most advanced technologies and strategies on irrigation systems, soil moisture, farming technologies, new materials and water re-use and use of waste water technologies.

This workshop is directed to students, scientist and stakeholders operating in this sector.

Italy –China One-Day Workshop Program

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10.00 - 10.30	Registration and Welcome Coffee
10.30 - 10.50	Welcome Address Cao Jianye , Embassy of The People's Republic of China Luigi Ambrosio , National Research Council of Italy
10.50 - 11.05	Antonio Lopez , IRSA-CNR Agricultural reuse of municipal wastewater: a mandatory option for saving fresh water resources
11.05 - 11.20	Li Ping , CAAS Views on water resources transformation and regulation modes in combined well-canal irrigation area along the Yellow River
11.20 - 11.35	Mauro Centritto , IVALSA-CNR Water management in dry land agriculture
11.35 - 11.50	Qi Xuebin , CAAS Progress and prospect on safe and high quality food production using reclaimed wastewater in China
11.50 - 12.05	Lidietta Giorno , ITM-CNR Nanostructured membranes for waste water treatments
12.05 - 12.20	Hesheng Xia , Sichuan University Advanced materials for water treatment
12.20 - 12.35	Alessandro Sannino , University of Salento Biodegradable superabsorbent for plants watering and desertification control
12.35 - 12.50	Yan Changrong , CAAS The application of mulching plastic film and its effects on rainwater uses efficiency in China
12.50 - 13.00	Discussion & Closing Remarks

Italy –China Workshop Contacts

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