



# Working Group – Water and Crop

Chair : VPH Dr. Ragab Ragab, ICID ([rag@ceh.ac.uk](mailto:rag@ceh.ac.uk))  
Rapporteur : Aditya Riski Taufani, INACID ([taufani.adityariski@gmail.com](mailto:taufani.adityariski@gmail.com))



**3<sup>rd</sup> World Irrigation Forum**

1-7 September 2019, Bali, Indonesia



# Summary of WG meeting

- This year, the forum accept 12 abstracts with 7 presenters managed to to attend.
- International Young Professionals Training Program, 22-25 April 2019, Gyeonggi Province, Republic of Korea and Cairo Water Week 2018.
- The SALTMED model 2019 has been published in Irrigation and Drainage Journal and is now a free download. Several researchers/organizations downloaded the model and the user's manual from ICID website and used widely.



**Following the mandate of ICID central office, two webinars are planned for one year ahead. The topics are decided as follows:**

- Water use efficiency and productivity**
- The state of the art of the irrigation water scheduling and crop water requirement.**

**Following the merger with working group on Water for Bio-Fuel, this could be the basis to broaden the name of the working group into water - crop – energy.**

**Contributed presentation on accurate estimation of crop water requirements using new technologies to the Joint Session of Strategy Theme On-Farm.**





# Presentation on RICE CULTIVATION IN ITALY UNDER THE THREAT OF CLIMATIC CHANGE

Dr. Marco Arcieri presented how the Italian rice cultivation emerged and developed over the years. It was also shown, how Italy cope with the future challenges.

On of the key messages include how dry rice cultivation could be promising solution for food resilience, water saving under the threat of climatic change.



### RICE CULTIVATION IN ITALY DRY CULTIVATION

In recent years the repeated occurrence of particularly dry weather conditions has created conditions of water scarcity in Italy, with serious consequences on yields of the main irrigated crops, such as rice also.

The Cedrome Project (INCO -2005-015468), which has been conceived in order to «Develop drought-resistant cereals to support efficient water management in the Mediterranean area» is an example of these. It has funded by the European Commission and coordinated by the University of Leiden, the Netherlands.



An assessment of 7 Italian rice cultivars for the main agronomical, quality and phytosanitary traits was performed in a two year field trial, comparing the conventional agro systems with the upland similar.

ITAL-ICID 3rd WORLD IRRIGATION FORUM 1-7 September 2019, Bali, Indonesia



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- **The tenure of the WG-W&C is up to 2019 as per the original mandate. Since now the mandate is enlarged and Strategy Theme – On Farm is created, it was decided to extend the tenure up to 2025.**
- **It was decided to conduct a workshop on “on farm water management in the context of W\_F\_E nexus next year in Sydney suggested to include the three groups of the On-Farm Theme as a joint activity led by WG-Crop and Water.**

