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SCIENCE AND INNOVATION FOR CLIMATE ACTION

JOINT TALK CREA-CNR ON SUSTAINABLE WATER MANAGEMENT IN AGRICULTURE

THURSDAY 19 OCTOBER 2023 | 11.15 - 11.45 | FAO ATRIUM

CREA

Design and management of a pressurized irrigation distribution system: a joint experience between Italy and Cape Verde

Raffaella Zucaro and Filiberto Altobelli

Presentation of Technical Guidelines for the setting up of an integrated methodology of a modern irrigation system:

- a. considering the agro-economic-engineering aspects and cost-benefit analysis and environment impact assessments
- b. possible pathways to increase irrigation water productivity at the scheme level accounting for the interaction among the different steps of the water distribution chain.

For more information:

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CNR

Solutions to improve water management under climate change

Antonello Bonfante and Michela Janni

- a. Irrigation support techniques applied in a DSS dedicated to irrigation optimization (case studies on maize in Italy and Israel)
- b. a new approach based on the Bioristor in vivo sensor:
 - i. viticulture irrigation and preservation of berries quality
 - ii. solar and ecofriendly irrigation system improving the sustainability of tomato cultivation in Burundi

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