

Report on the outcomes of a Short-Term Scientific Mission¹

Action number: CA20108

Grantee name: Filiberto Altobelli

Details of the STSM

Title: innovative applications of EO and the use of micro meteorological data for water saving in the Mediterranean Countries

Start and end date 28/08/2023 to 01/09/2023

Description of the work carried out during the STSM

1. Collaboration on a paper related sentinel 2 - Aquacrop on running rice experimental activity in Italy 2021-2023, in this regard, conditions were created for joint writing between Italy and Israel including analysis of data and results.
2. Collaboration of future EU funding programme (first call 2024 PRIMA and Horizon Europe - <https://www.horizon-europe.gouv.fr/improving-irrigation-practices-and-technologies-agriculture-33523>).
3. Keynote invitation to Offer Rozestein for a Conference on micrometeorological measurements Urban microclimate monitoring and agricultural meteorology for climate change organizing by CREA in the framework of FAIRNESS ACTION (19-22 September 2023).
4. Create conditions for an MoU between Volcani Centre and CREA on topics related to micrometeorology applied to the water context and natural resource management in agriculture.

¹ This report is submitted by the grantee to the Action MC for approval and for claiming payment of the awarded grant. The Grant Awarding Coordinator coordinates the evaluation of this report on behalf of the Action MC and instructs the GH for payment of the Grant.

Description of the STSM main achievements and planned follow-up activities

In the framework of annual conference in Rome for the FAIRNESS Action - from September 19 to 21, 2023, at CREA Headquarters, the scientific community from all over Europe, enriched by the participation of exponents from Brazil - aimed to present the results of past and ongoing research activities and to improve standardization and integration between databases/sets of micrometeorological measurements that are part of research projects or local/regional observational networks established for particular purposes (agrometeorology, urban microclimate monitoring) – Italy and Israel have consolidated their collaboration and interacted on common issues related to natural resource management in agriculture starting from experience of CREA STSM to Volcani Center. This conference also provided opportunities to do a follow up about the points already discussed in Israel, on collaborations in paper publication and common interests in planning on topics peculiar to this FAIRNESS action.