

# 3rd WATER REUSE DAY

Sustainable Water Solutions  
for Agriculture in the Mediterranean

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23 – 24 November 2022  
BOLOGNA | Hybrid event



**FIT4REUSE**



FIT4REUSE is part of the PRIMA programme supported under Horizon 2020, the European Union's Framework Programme for Research and Innovation. Grant Agreement number: [1823] [FIT4REUSE][Call 2018 Section 1 Water]

## 23<sup>rd</sup> of November 2022

- 14:00 Check-in of the participants
- 14:30 **Welcome and opening to the 3<sup>rd</sup> Water Reuse Day**  
*Attilio Toscano, University of Bologna, FIT4REUSE project coordinator*  
*Angelo Riccaboni, Chair of the PRIMA Foundation*  
*TBC, Regione Emilia-Romagna*  
*Giovanni Molari, Rector of University of Bologna*
- 14:50 **Round Table: The challenge of water scarcity in agriculture**  
Moderator: *Rafael Casielles, BIOAZUL*  
*Carmen Galindo, EIT Food – Adriano Battilani, Irrigants d'Europe –*  
*Marco Orlando, PRIMA Programme – Faycel Chenini, FIT4REUSE*  
*External Advisory Board member*
- 15:40 Coffee break
- 16:00 **The 3 pillars of FIT4REUSE: Innovation, application, assessment and regulation**  
*Attilio Toscano, University of Bologna*
- 16:10 **Pillar 1: Innovative solutions for wastewater treatment and desalination – Introduction**  
Moderator: *Alessia Foglia, Marche Polytechnic University*
- 16:15 **Keynote speech: Tertiary treatment of municipal wastewater by solar photo Fenton - a sustainable solution for a safe water reuse**  
*Luigi Rizzo, Salerno University*
- 16:30 **A stakeholder's video message**
- 16:35 **Survey on innovations for water reuse**
- 16:40 **Innovation in municipal wastewater treatment for safe agricultural reuse**  
**Nature based solutions for municipal wastewater treatment**  
*Atef Jaouani, University of Tunis El Manar, Higher Institute for Applied Biological Sciences of Tunis*  
**Intensive solutions for municipal wastewater treatment**  
*Evidiki Barka, National Technical University of Athens*  
**Integration of treatment solutions**  
*Francesco Fatone, Marche Polytechnic University*
- 17:25 **Environmental improvements in the desalination process**  
*Sarit Bason, MEKOROT*
- 17:40 **The Simulation Platform: a modelling tool to predict the behaviour of the developed treatment technologies**  
*Özlem Karahan Özgün, ITUNOVA*
- 17:55 **Pillar 1: Q&A**
- 18:05 **Conclusions and closure of the first day**  
*Attilio Toscano, University of Bologna*

## 24<sup>th</sup> of November 2022

- 09:30 Check-in of the participants
- 10:00 **Welcome and summary of the outcomes of the first day**  
*Attilio Toscano, University of Bologna*
- 10:10 **Pillar 2: Use of treated municipal wastewater and desalinated water for irrigation and aquifer recharge – Introduction**  
*Moderator: Stevo Lavrnić, University of Bologna*
- 10:15 **Keynote speech: Seven steps towards an efficient and sustainable use of reclaimed water in agriculture**  
*Adriano Battilani, Irrigants d'Europe, FIT4REUSE External Advisory Board member*
- 10:30 **A stakeholder's video message**
- 10:35 **Survey on the use of reclaimed water**
- 10:40 **The use of reclaimed water for irrigation, fertigation and aquifer recharge: project outcomes and support tools**  
**Aquifer recharge and Soil Aquifer Treatment (SAT): process optimization for higher infiltration rates**  
*Roy Elkayam, MEKOROT*  
**Towards sustainable irrigation and water reuse agronomic practices**  
*Rémi Declercq, ECOFILAE*  
**The irrigation and aquifer recharge guidelines: a support for practitioner**  
*Rafael Casielles, BIOAZUL*  
**Towards the water reuse risk management plan**  
*Francesco Fatone, Marche Polytechnic University*
- 11:20 **Pillar 2: Q&A**
- 11:30 Coffee break
- 11:50 **Pillar 3: Assessment and regulation of water reuse - Introduction**  
*Moderator: Viola Benedetti, Italian National Institute for Environmental Protection and Research*
- 11:55 **Keynote speech: Innovative approach for unlocking the potential of non-conventional water for agricultural development**  
*Faycel Chenini, FIT4REUSE External Advisory Board member*
- 12:10 **A stakeholder's video message**
- 12:15 **Survey on assessment and regulation**
- 12:20 **Sustainability and profitability assessment of reuse and desalination solutions**  
*Rémi Declercq, ECOFILAE*

- 12:35 **Fostering knowledge sharing and the exploitation of FIT4REUSE results to support the implementation of water reuse practices**  
 Exploitation and transferability of FIT4REUSE results beyond the life of the project  
*Antonia Lorenzo, BIOAZUL*  
 Knowledge sharing and stakeholder engagement: the Multi-Stakeholder Platform, the webinars and the Water Reuse Days  
*Viola Benedetti, Italian National Institute for Environmental Protection and Research*  
 Future scenarios for the diffusion of water reuse: the foresight exercise  
*Matteo Vittuari, University of Bologna*
- 13:05 **Pillar 3: Q&A**
- 13:15 Launch break
- 14:30 **Round table: the experience of FIT4REUSE – Main outcomes, challenges and insights for the future**  
 Moderator: *Marco Orlando, PRIMA Programme*  
*Simos Malamis, National Technical University of Athens – Özlem Karahan Özgün, ITUNOVA – Rémi Declercq, ECOFILAE – Atef Jaouani, University of Tunis El Manar, Higher Institute for Applied Biological Sciences of Tunis – Antonia Lorenzo, BIOAZUL*
- 15:30 Coffee break
- 15:50 **Panel discussion: water reuse, the Italian experience**  
 Moderator: *Attilio Toscano, University of Bologna*  
*Francesco Fatone, Marche Polytechnic University – Michele Solmi, Consorzio della Bonifica Renana – Paolo Gelli, HERA SpA – TBC, Regione Emilia-Romagna*
- 16:40 **The PRIMA Programme and its support to sustainable water management**  
*Marco Orlando, PRIMA Programme*
- 17:00 **Presentation of the main outcomes of the 3rd Water Reuse day**  
*Attilio Toscano and Stevo Lavrnić, University of Bologna*
- 17:10 Closure of the event

[www.fit4reuse.org](http://www.fit4reuse.org)

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