

Research Action Network  
for Reducing Reactive Nitrogen Losses  
from Agricultural Ecosystems



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# Open Day

## FULL PROGRAMME

**Thursday, 21 November  
2024**



**Larissa, Greece**

with parallel activities in **Vienna, Austria** and **Lyon, France**

At a glance...

**10:00-13:00** ACTIONr goes to schools & Schools come to ACTIONr

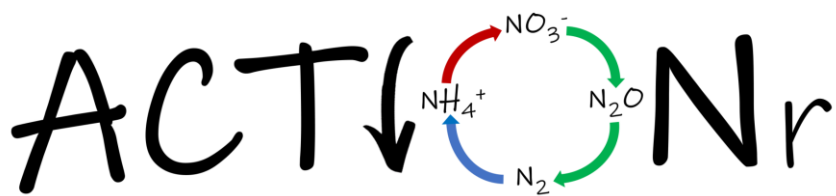
**18:00-20:30** ACTIONr Workshop, *Baltetsiou & Tripoleos*



**21:00-23:00** ACTIONr Beer talks, *Georgiadou 53*



ACTIONr is funded by the European Union's Horizon 2021-2027 research and innovation programme under grant agreement No 101079299.  
<https://www.actionr.eu/>



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**10:00-13:00**

## **ACTIONr goes to schools & Schools come to ACTIONr**

### **ACTIONr goes to schools**



*Karavanas elementary school, Larissa*

- **Thematic Presentation:** Simplified, engaging talk introducing nitrogen-related environmental issues and the basics of sustainable nitrogen management.
- **Nitrogen Cycle Game:** A fun, floor-based activity teaching nitrogen transformations and their ecological impact.
- **Parallel Activities:** Interactive printed materials including crosswords, word searches, and cut-and-paste N-cycle tasks.

### **Schools come to ACTIONr**

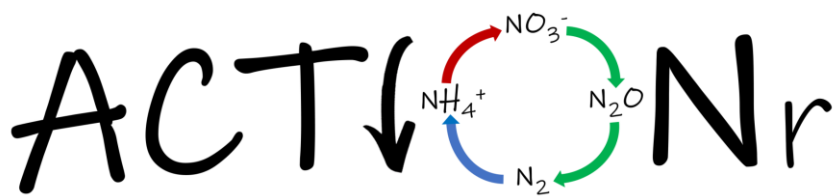


*Department of Biochemistry and Biotechnology, UTH, Biopolis, Larissa*

- **Thematic Presentations:** ACTIONr researchers will discuss nitrogen's impact on the environment, sustainable management solutions, and current research trends in the nitrogen cycle. They will also share their own research contributions.
- **Lab Demonstrations:** Hands-on experiments led by ACTIONr researchers, including nitrite and nitrate measurements *in vitro* and in soil.



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**18:00-20:30**

## ACTIONr Workshop

*Rethinking the Use of Nitrogen: Innovations and Strategies for Sustainable Soil and Ecosystem Health*



**JOIST Innovation Park, Baltetsiou & Tripoleos, Larissa**

**18:00** Welcome

**18:10-18:40** **Prof. Christa Schleper** - University of Vienna - *What is Wrong with the Nitrogen Cycle and how can we fix it?*

**18:40-19:00** **Prof. Graeme Nicol** - École Centrale de Lyon - *Why understanding soil microbiology is essential for mitigating environmental and economic impacts of fertiliser use.*

**19:00-19:20** **Prof. Dimitrios Karpouzas** - University of Thessaly - *Synthetic Chemists vs. Plants, who is the best in putting the brakes on nitrification in soils? And the Oscar goes to...*

**19:20-19:35** Break

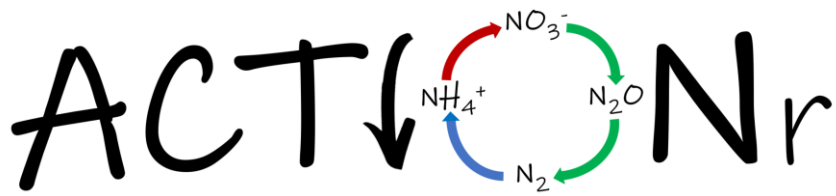
**19:35-19:55** **Dr. Fotini Giannakopoulou** - Hellenic Fertilizers' Association (SPEL) - *From Challenges to Opportunities: Fertilizer Industry Insights and Innovations.*

**19:55-20:15** **Dr. Michalis Omirou** - Agricultural Research Institute, Lefkosia, Cyprus - *Addressing  $\text{N}_2\text{O}$  emissions from semi-arid agricultural ecosystems: myths, realities and research outcomes.*



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**21:00-23:00**

**Beers, Cheers, and ACTIONr...**



***“To Mparaki tou Mylou”, Georgiadou 53, Larissa***



...An informal gathering where the ACTION Researchers will tell stories about little but very important soil microbes called nitrifiers: how they impact climate change and agriculture, how we might fix their effects using synthetic or plant chemistry, and, of course, why they became researchers.

**ΤΟ  
ΜΠΑΡΑΚΙ  
ΤΟΥ ΜΥΛΟΥ** 

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