



NEWSLETTER

PrimSeedPower



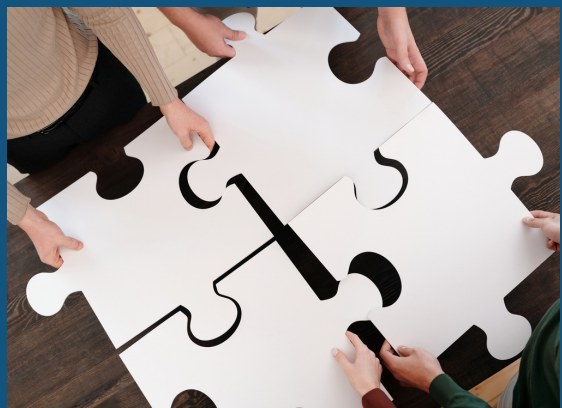
SCALING UP SEED PRIMING FOR SUSTAINABLE AGRICULTURE

Launched in October 2025, the PrimSeedPower COST Action brings together a vibrant community of scientists, agronomists, and policy experts united by one goal: harnessing the power of seed priming to build climate-resilient crops.



GET INVOLVED =)

You can follow our activities through our social media pages. Follow us!

[Read More](#)



Chair - Erna Karalija
(B&H)



Vice-chair - Vassileios Fotopoulos
(Cyprus)

A MESSAGE FROM OUR CHAIRS

With PRIMSEEDPOWER, we're turning plant memory into a tool for resilience. The challenge ahead is clear: transforming diverse ideas and data into shared, actionable solutions. With this growing community, we are confident we will make it happen. As Chairs of PRIMSEEDPOWER, we see this challenge not as a barrier but as an opportunity for collective innovation.

MAIN MISSION & OBJECTIVES

-  develop scalable and efficient seed priming technologies to enhance crop resilience against the effects of climate change
-  explore biological, chemical, and physical priming agents to improve plant tolerance to abiotic stresses
-  creation of standardized, field-validated protocols adaptable to various crops and environmental conditions
-  establish synergies between academia and industry to ensure the commercialization of seed-priming innovations



<https://www.cost.eu/actions/CA24156/>

STRUCTURE

WG1

Molecular
Mechanisms of
Seed Priming



Natasa Lukic
(Serbia)

WG2

Seed priming
application in
Agronomy



Dunja Šamec
(Croatia)

WG3

Risk Assessment
and Policy
Development



Jelena Samardzic
(Serbia)

WG4

Engagement &
Knowledge
Dissemination



Cristiano Soares
(Portugal)

WG5

Management
and
Coordination



Miriam Negussu
(Italy)

“LAUNCHING THE FIRST *SEED PRIMING* EUROPEAN COMMUNITY

KICK-OFF MEETING

Brussels | Oct. 25



On 15th October, the **kick-off MC meeting of PrimSeedPower** took place at the COST headquarters in Brussels! It was a **day of connection and alignment, full of teamwork and constructive planning** to align our common vision, structure the pathway for success and map strategically **the main activities for the first year ahead :)**

As the **Science Communication Coordinator** of PrimSeedPower, I believe that communicating scientific knowledge clearly and accessibly is essential for turning seed priming research into real societal impact. By bridging academia, industry, policymakers, and the wider public, science communication helps transform complex research findings into practical solutions for resilient agriculture and sustainable food systems.



Baris Uzilday
(Turkey)



CHANIA, CRETE, GREECE

JOINT INITIATIVE OF PRIMSEEDPOWER AND RECROP ACTIONS

GENNEXT TRAINING SCHOOL BRINGS TOGETHER THE NEXT GENERATION OF PLANT SCIENTISTS

GENNEXT TRAINING SCHOOL

The GenNext Training School, jointly organized by **PrimSeedPower (CA24156)** and **RECROP (CA22157)**, brought together over **50 researchers from across Europe** and beyond to promote scientific exchange, professional development, and international collaboration.

MORE THAN SCIENTIFIC SESSIONS, IT OFFERED SOFT SKILLS TRAINING

- AI tools for research and scientific communication
- Networking and collaboration skills
- Career development and professional growth
- Open discussions on current challenges and opportunities in plant science



Filippos Bantis
Un. Western Macedonia (GR)



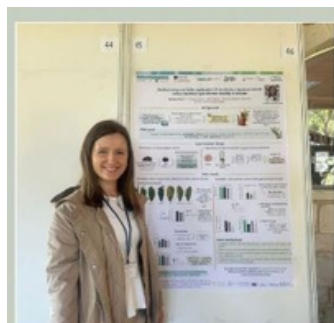
The training school also provided **excellent networking opportunities**, leading to **several new connections with researchers from different institutions** and opening promising prospects for future scientific collaborations

BUILDING CONNECTIONS BEYOND SCIENCE

For the PrimSeedPower COST Action, this event represented the first advanced training activity of the network, marking an important milestone in its mission to support knowledge exchange and capacity building among researchers working on seed priming and plant resilience.



“ My participation in the RECROP-PrimSeedPowerGenNext Training School significantly contributed to the **advancement of my knowledge in the field of seed priming**. I would like to particularly highlight the emphasis placed on soft skills and personal development.



Mafalda Pinto
GreenUPorto (PT)



APPLY NOW!

STSM REPORTS

MARIJA ANĐELKOVIĆ

AFFILIATION

University of
Belgrade, Serbia

HOST

University of
Messina, Italy

Predictive Modelling of Tomato-Derived Synthetic Bacterial Consortia for Seed Priming Against Drought



The STSM allowed me to collaborate closely with Prof. Orazio Romeo and his team, whose expertise in genomic data analysis greatly complemented my experimental background. Beyond the scientific gains, this experience broadened my professional network and reinforced the value of interdisciplinary exchange within the COST Action framework.

MARTINA ROSA

AFFILIATION

University of
Basilicata, Italy

HOST

University of Sarajevo,
Bosnia and Herzegovina

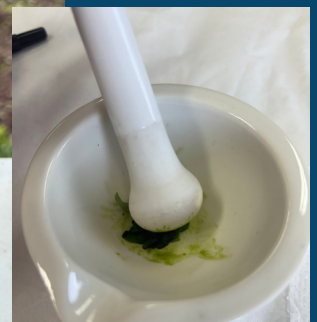
Effects of Different Light Environments on Growth and Development of Micro-Tom Tomato Plants



This experience enabled me to strengthen international collaborations, acquire new skills in plant physiology and metabolomics, and generate valuable preliminary results for my PhD research and future joint activities within the COST Action.



MARIJA ANĐELKOVIĆ - STSM GROUP PHOTO



TOMATO PLANT BY MARTINA ROSA



Fascination of Plants Day 2026

THE AWAKENED SEED a shared classroom challenge

THE GOALS

-  To celebrate the **beauty** and **importance of plants**
-  To highlight **plant science** and its **impact on our lives**
-  To raise awareness about **biodiversity** and **conservation**
-  To encourage people to **connect with nature**
-  To showcase the **role of plants in food, medicine, and the environment**



> than 600
students involved

Protocols translated
into 5 languages

Experiments with students
from different ages



TRAINING OPPORTUNITIES & RELEVANT EVENTS



LiveSeeding Summer School 2026

Location: Valencia, Spain
Date: 13–17 July 2026
Registration: Paid

Seed systems, plant
breeding and sustainable
agriculture



Biostimulants World Congress

Location: Sacramento, USA
Date: November 2026
Registration: Paid

Biostimulants, stress
resilience, sustainable
agriculture



FEMS Summer School for Postdocs

Location: Porto, Portugal
Date: 26–31 August 2026
Registration: Paid

Leadership, networking,
communication and career
development



17th International Conference on Reactive Oxygen and Nitrogen Species in Plants

Location: Granada, Spain
Date: 9–11 September 2026
Registration: Paid

ROS signalling, stress
memory, plant resilience,
and priming mechanisms.



Euroseeds Congress 2026

Location: Valencia, Spain
Date: 25–28 October 2026
Registration: Paid

seed biology,
sustainable agriculture,
genomics

**DO YOU KNOW AN EVENT THAT COULD
BENEFIT THE PRIMSEEDPOWER NETWORK?**

Contact the WG4 and help us keep this list updated! =)

