PRIMA LEGU-MED Project 2020-2023

Scientific Conference
“Legumes in biodiversity-based farming systems in Mediterranean basin. LEGU-MED: updates and future perspectives from the first year”

6th-7th December 2021

Location:
- Aula Magna of the Rector, University of Florence (Piazza San Marco, Florence, Italy)
- Virtually using G-meet platform

Description: LEGU-MED is a PRIMA three-year funded project launched on the 1st November 2020. LEGU-MED objective is to put forward an international and well-integrated plan to valorise the legume agrobiodiversity of Mediterranean in biodiversity-based farming systems. The main aim is to enhance agro-ecosystem functions and services in the Mediterranean basin using lentils and chickpeas as models for all kind of legumes. LEGU-MED aims at valorising, restoring and managing Mediterranean legume biodiversity including neglected genotypes and wild crop relatives. Efforts are spent to replace traditional agricultural systems based on the use of chemical inputs and natural resource exploitation with innovative sustainable approaches that will follow these principles:
1) enhance agro-biodiversity in sustainable farming systems;
2) develop new efficient plant-growth promoting rhizobacteria;
3) use functional genomic approaches for agro-biodiversity valorization;
4) use precision agriculture and phenomic platforms;
5) enhance participatory methods for stakeholder involvement.
In this conference an update of the ongoing results obtained by every activity of LEGU-MED will reported by each Activity leader. Future research plans and ongoing activities with stakeholders from different countries will be discussed to enhance the future development of living labs in biodiversity-based agriculture.

Monday, December 6th 2021

Day 1: 09:00-16:30

09:00 - 09:20 Welcome greetings

09:20 - 09:50 Federico Martinelli - “Presentation of LEGU-MED: objectives and work packages”

Session 1: Work Package 1 - Agronomic, phenotypic and molecular characterization of lentil and chickpea biodiversity in Mediterranean basin

09:50 - 10:15 - Angela Piergiovanni - Activity 1 “Recovery, selection and collection of germplasm for LEGU-MED project”

10:15 - 10:40 - Matteo dell’Acqua - Activity 2 “Genomic characterizations of the selected germplasm”
10:40 – 11:05 Noureddine Yahia - Activity 3 “Agronomic screening and evaluation of germplasm in different geographic areas”

11:05 -11:30 Coffee break

Session 2: Work Package 2 - Models and approaches for a biodiversity-based agriculture in legume-based farming systems

11:30 - 11:55 Miguel Cebrian-Piqueras - Activity 4 “Development of new models, tools and approaches for the use of legumes in biodiversity-based agriculture to enhance ecosystem services and biodiversity”

11:55 - 12:20 Noureddine Yahia - Activity 5 “Agronomic approaches to enhance ecosystem services and biodiversity of legume-based farming”

12:20 - 14:00 Lunch


14:00 - 14:25 Sanja Sikora - Activity 6 “Developing new legume-rhizobia combinations with enhanced symbiotic nitrogen fixation”

14:25 - 14:50 Paolo Barberi - Activity 7 “Agro-technical and bio-technical novelties to increase sustainability of farming systems”

Session 4: Work Package 4: Socio-economic evaluations of proposed measures, information management, outcome disseminations and exploitation

14:50 - 15:25 Anna-Lena Volleheyde - Activity 8 “Socio-cultural assessment of the proposed biodiversity-based agriculture measures

15:25 - 15:50 Miguel Cebrian-Piqueras - Activity 9 “Development of new models, tools and approaches for the use of legumes in biodiversity-based agriculture to enhance ecosystem services and biodiversity”

15:50 - 16:10 Federico Martinelli Activity 10: LEGU-MED deliverables: at which point are we?

16:10 - 16:45 - Discussion & Conclusions

Tuesday, December 7th
Day 2: 09:30 - 14:20

9:30 - 11:30 Experimental plan and involvement of stakeholders in the different countries

9:30 - 9:45 Paolo Barberi - Involvement of stakeholders in Italy
9:45 - 10:00 Dulce Navarro-Rodriguez - Involvement of stakeholders in Spain

10:00 - 10:15 Darine Trabelsi - Involvement of stakeholders in Tunisia

10:15 - 10:30 Abdelkader Bekki - Involvement of stakeholders in Algeria

10:30 - 11:00 Coffee break

11:00 - 12:00 Working groups among participants of different work packages

12:00 - Final Conclusions