

Short Presentation

Erasmus+ PLANET project

Title: Plan for Agriculture reNewable Energy Training

Grant Agreement: 591963-EPP-1-2017-1-IT-EPPKA2-SSA

Coordinator: Prof. Remigio Berruto

DISAFA – University of Turin

Email: remigio.berruto@unito.it

Mobile: +39335454164

Office: +390116708596

List of participating organisations

Partner no	PIC	Role	Organisation Name	City	Country
P1	999861936	Applicant Organisation	UNIVERSITA DEGLI STUDI DI TORINO	TORINO	Italy
P2	937878742	Partner Organisation	CONFEDERAZIONE GENERALE DELL'AGRICOLTURA ITALIANA	ROMA	Italy
P3	955052495	Partner Organisation	INFOR ELEA	SAN SECONDO DI PINEROLO TO	Italy
P4	950790412	Partner Organisation	CORNELISSEN CONSULTING SERVICES BV	DEVENTER	Netherlands
P5	948397810	Partner Organisation	Aeres Groep	Ede	Netherlands
P6	984104480	Partner Organisation	AGRAR PLUS Beteiligungsges. m.b.H.	St. Pölten	Austria
P7	950598934	Partner Organisation	Österreichischer Biomasse-Verband	Vienna	Austria
P8	966780086	Partner Organisation	TECSOL	PERPIGNAN	France
P9	921164963	Partner Organisation	CHAMBRE REGIONALE D'AGRICULTURE DE BRETAGNE	RENNES	France

Target groups of the project

*Describe briefly how your project addresses this sector (max 500 characters) *:*

Green jobs are growing at a double rate in Agriculture than other sectors. However they require management and maintenance skills to upkeep and maintain RES plants on a daily basis. PLANET action aims to tackle this need, providing training to 1) farmers willing to invest in RES, 2) owners of RES plant, 3) Advisors and Consultants, and 4) students increasing their employability and mobility. PLANET will lower the risks associated with RES business and foster RES plants uptake in agriculture.

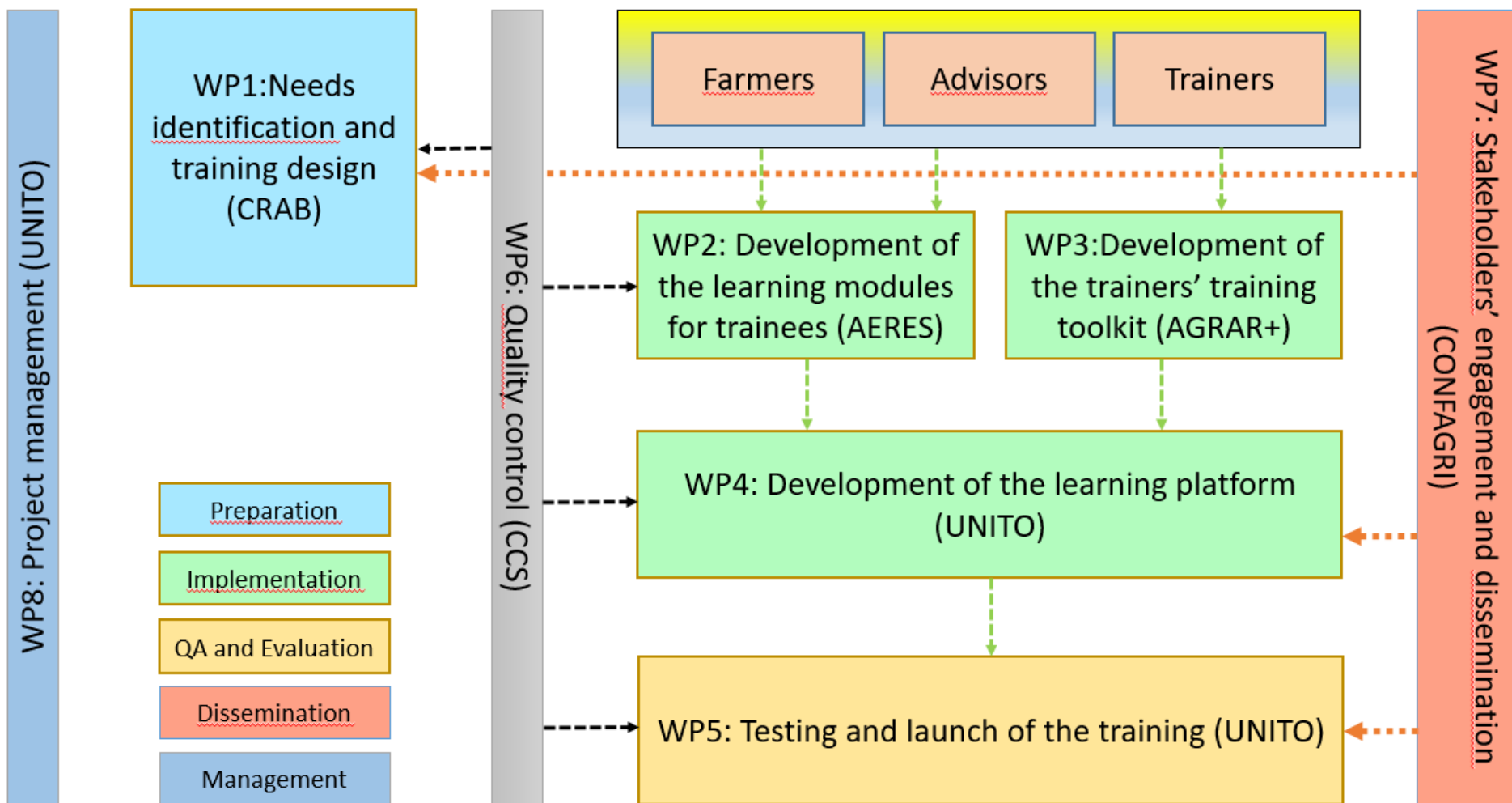
Goal and specific objectives

The goal of the project is to provide innovative training to farmers who own RES plants or want to invest, with practical and ICT skills in work-based environment related to daily management of the plant. The training will also be available for consultants or students as initial vocational training.

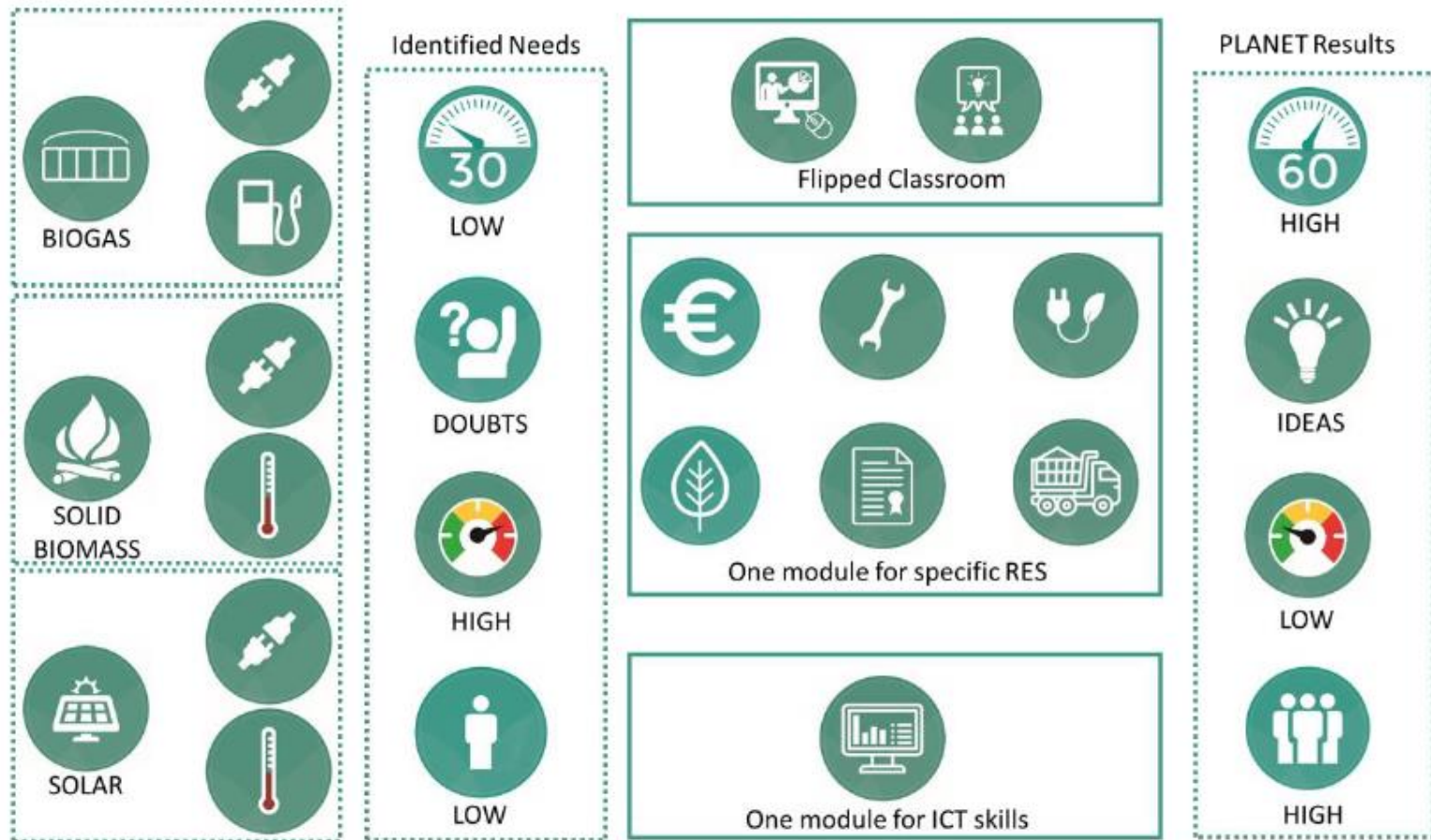
- This could be achieved through the following specific objectives:
- 1) Identification of needs, on RES daily activity training.
- 2) Development of course material for practical training on RES in agriculture
- 3) Implementation of innovative flipped classes' methodology in country language
- 4) Development of a trainer toolkit that will ensure the trainers' capacity to run the training.
- 5) Test and validation of the experimental training
- 6) Assessment of the quality of the training toward the ECVET certification
- 7) Communication and dissemination of the material.

Workpackages

- I – Needs identification and training design (CRAB)
- II – Modules development (AERES)
- III – Trainers' instructions (AGRAR+)
- IV – Online platform development (UNITO)
- V – Experimentation and validation (INFOR ELEA)
- VI – Quality control (CCS)
- VII – Dissemination (CONFAGRI)
- VIII – Management (UNITO)



Impact on performance, knowledge, risk and employability of trained people



Training modules to be developed in 5 languages

- ICT Skills (general)
- Specific modules:

Online Module	Leader in charge of the module	Co-leader
1) ICT basic skills	UNITO	INFOR ELEA
2) Biogas & Biomethane	CCS	UNITO
3) Solid Biomass	AGRAR PLUS	ABA
4) Solar energy	TECSOL	CCS

- Training will be offered through flipped classroom methodology – on line (10 weeks) and in class activities (4 weeks), plus some practical training (4 weeks)
- Also training for trainers – to spread the use of the material

Expected results

- Full functional open source learning management system available in 5 languages (English, Italian, Dutch, German and French).
- 2. Complete training on how to manage and upkeep renewable energies plants made of 4 modules available through the open learning platform: 1) basic ICT skills, 2) biogas and biomethane, 3) solid biomass and 4) solar energy. The 4 training modules altogether will last 18 weeks (10 weeks on-line, 4 weeks in-class, 4 weeks work-based) however they can be taken separately. This structure will be available in 5 different languages: Dutch, English, French, German and Italian.
- 3. Complete training material for the trainers (English). Trainers will be able to access online a trainer toolkit, upon registration on the learning platform. They will receive a 2 weeks online training and an in-class training of 5 days. The trainer's toolkit will include documents on the flipped classroom methodology, on how to use the platform, discussion and in-class activities for instructors.
- 4. 20 trainers will follow the training, which 10 of them will come from non-participating countries → **we have to address these countries as well.**
- 5. At least 100 trainees will be trained during the experimentation phase, 30 in the continuing training (1/3 in each module) and 70 in the initial training. These trainees will act as disseminators of the class they follow, so they will help to enroll other people in training after the project completion.
- 6. ECVET accreditation material for the PLANET
- 7. communication plan

Thank you for the attention!!

- For info:
- E-mail: remigio.berruto@unito.it
- Mobile: +39335454164
- Skype: rember117