



## MicroFSA#10 “RenewABLE Against Covid”:

### EnergicaMente Tuscia Power 2021

24-25 Gennaio 2021

#### **Sunday 24 January:**

**15:38** Roma Tiburtina - 1h 41m - Treno: RE 24062

**17:20** Capranica-Sutri Appointment at Capranica Scalo Station

"Casale della Nocerqua" Località Pescatore 1, 01012 Capranica Scalo – Viterbo

**17:30 Grand Challenges Scholars “Sapienza” AWARDS** dalla National Academy USA  
**FOCUS** on Energy Engineering

**19:00 Analisi energetica del casale e Comunità Energetica (Vetralla e Capranica);**

#### **Monday 25 January**

**9:30 Start of visit for energy requalification in Vetralla**

**Comunità Energetica and EcoBonus 110%**

- **Presentation of the Energicamente Project and GC-FS ALUMNI**

- **GC - FS "Energy Community in Vetralla and Capranica"**

- **11:30 Inizio Visita impianti:**

- **Wind power at Piansano 42 MW**

- **Montalto di Castro Plant 3600 MW**

**17:00 Sapienza Students Team Building and update of “RenewABLE Against Covid” Project**

**18:30 Return of Students**



### **1. Main objective of the Project**

During the lock-down period, thanks to the "Renew-ABLES against Covid" project, it was possible to set up 10 solar installations to cope with the Covid emergency in Africa,

The principle of solidarity that characterised this initiative prompted a group of students, who had contributed to the project, to propose a similar activity within the Lazio Region, with the call for proposals "Vitamina G".

The proposal responds to the need of students, partner organisations and more generally of regional policies to set up Integrated Energy Communities that will be implemented on the basis of agreements between public, private and no-profit bodies.

The main principles of the project are "learning by doing", "learning by sharing" i.e. learning by investing in one's own ability to share, and "learning by travelling", i.e. learning by travelling as a travelling community. In other words, the project consists of investing in the concrete by focusing on one's own skills and experiences to be shared on the territory.

The activity is also enriched by the technological content aimed at the realisation of "Energy Communities with a strong social impact" and from here comes the need for the active participation of young people in the role of designers, innovative technologies also in communication in working groups.



## 2. Proponents: Tecnologie Solidali onlus- GCSP Sapienza - GC FS Alumni.

The proponents, defined as "Community", are working on a project that revolves around three no-profit organisations, already working in symbiosis with the national and international environment (Italy, Europe, Africa and the Americas) through socio-environmental studies that promote concrete activities to create sustainable "energy communities".

A few brief moments of video give a good idea of how much territorial and international experimentation has already been done and what is behind the proposal of this project:

- in Lazio: [https://www.youtube.com/watch?v=s10Zhc\\_PZVU&t=11s](https://www.youtube.com/watch?v=s10Zhc_PZVU&t=11s)

- in Africa: <https://www.youtube.com/watch?v=za5nL2j9j2w>

- Americas: [https://www.youtube.com/channel/UC6RVPR2mz6VDTGNLwSmt\\_NQ](https://www.youtube.com/channel/UC6RVPR2mz6VDTGNLwSmt_NQ)

To understand this "Community", it is important to briefly describe the training area shared by all members of the proposing part.

The Grand Challenges Scholars Program (GCSP), promoted by the National Academy of Engineering (USA) and picked up by Sapienza as the first University in Europe, identifies and proposes 14 Grand Challenges at local and global level to stimulate and train students capable of addressing them.

These challenges cover a broad spectrum of research and activities from sustainable energy applications, "energy communities", providing access to clean water, managing the nitrogen cycle, developing methods for carbon sequestration, renovating and improving urban infrastructure, and others.

Prizes are then awarded to students who demonstrate competence in five key areas: (1) Technical Design Competence, (2) Multidisciplinary Competence, (3) Economic Competence, (4) Multicultural Competence, and (5) Social Awareness Competence. In Europe, starting with all the Lazio localities, the promoting body is represented by the "Sapienza" University.

Another element that binds all proponents is having supported and participated in the Field Study Abroad (FSA), developing the same training guidelines as the GCSP and also developing them in practice, applying engineering to the needs of the area with active participation, both personal and group, dedicated to "energy communities", renewable energy and community development.

The GC-FSA therefore proposes a training path of in-depth knowledge of sustainable development and renewable energy mini-grids (or energy communities), also through direct knowledge of Research Institutions, Companies, Associations and UN operators, local and international NGOs, and above all of people and communities who want to work for their territory. It is recalled that in 2018 in the presence of the President of the Republic Sergio Mattarella, the FSA was awarded the nomination of excellence in the "Italia Decide" Award, for Technological Innovation for Sustainable Development and specifically as Innovation in Education and Higher Education.

The projects carried out over the years are first and foremost "energy communities" in favour of the territory.