



# PLANET – PPlan for Agriculture reNewable Energy Training

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## 1 Module description

According to the development of a training course recognized at European level, the course structure has been revised to add a list of topics necessary to achieve the Certification by its competent authority (Regione Piemonte).

The request of the course certification according to VET protocols required the adaptation of topics unforeseen in the original proposal. In particular, the following topics have been added to fulfil requirements necessary for the application eligibility:

- Job Guidance: Skills assessment and coaching
- Sustainable development: Anthropic impact, Global warming, Oil reserve and natural resources, EU Energy Market; Specific issues: Benefits and impacts of energy production from renewable resources: Biomass, Biogas, Solar.
- Equal opportunities: Discrimination, Interculturalism, Gender, Empowerment, Harassment
- Occupational Safety and Health: General Education (EU Framework, General principles, National Legislation, Risk Assessment, Prevention and Protection, Safety Organization, Signs) Specific Education.

### Job Guidance

The Job Guidance session aims to help trainees to develop skills related to understanding personal abilities and individual aspirations, choosing professional goals, developing a specific job search project.

Trainers will work to build a first balance of professional and training experiences, in order to:

- make explicit the technical-specifics, operational and transversal skills acquired;
- develop a moment of reflection on individual motivation;
- promote an exchange with the class group for shared planning.

This will be done by exploring issues such as: intellectual curiosity, the spirit of research, knowledge of one's own interests and attitudes.

### Sustainable development



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Sustainable development is the key to enable the economy to grow. The environment shall be perceived not as a constraint, but as an opportunity with respect to which to rethink policies, production and consumption systems. Education and training play a fundamental role in the process of transition to sustainability. In particular, the training system is recognized as one of the most important subjects able to contribute to social efforts to achieve sustainability. This goal will be achieved through the skills and knowledge that the students will learn and will be able to put into practice, through the exchange of knowledge with professionals and researchers, as well as through the implementation of their own strategies and operational activities. For this reason, education for sustainable development is a central theme in the proposed training course. Indeed, any profession, even if not directly aimed at protecting the environment, uses natural resources and services, directly influencing their quality, availability and integrity in the ecosystem.

## Equal opportunities

Mainstreaming, empowerment, positive actions are fundamental elements for a better society where anyone can deal with an equal level of opportunities. Gender and intercultural differences are not the main distinctive variables involved in orientation processes, but they are the basis of many other differences. The gender approach applied to orientation, training and work emphasizes the desire to put the person with his/her specific characteristics at the center of the process. Attention to gender differences can help to consolidate values in a new way, without denying or renouncing equality, but reinterpreting the strength of differences by pointing out the benefits of interculturalism context. Attention to interculturalism takes on considerable importance in interventions aimed at people in training, as an aid in overcoming stereotyped path choices and supporting a project, which helps discriminated people to give themselves diversified personal and professional goals, but never penalizing them.

## Occupational Safety and Health

Training is a very effective tool for creating the necessary awareness of the importance of the issue of safety at work. It allows to increase knowledge and skills of company organizational systems and improve the management of processes in order to safeguard the well-being of workers in the workplace.

- Occupational safety and health is a discipline with a broad scope involving three major fields:
- Occupational safety deals with understanding the causes of accidents at work and ways to prevent unsafe acts and unsafe conditions in any workplace. Safety at work discusses concepts on good housekeeping, proper materials handling and storage, machine safety, electrical safety, fire prevention and control, safety inspections, and accident investigations.



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- Occupational health is a broad concept which explains how the different hazards and risks at work may cause an illness and emphasizes that health programs are essential in controlling work-related and/or occupational diseases.
- Industrial hygiene discusses the identification, evaluation, and control of physical, chemical, biological and ergonomic hazards.

The training on Occupational Safety and Health will be issued in two stages:

The first stage will address general issues regarding the European Framework and National Legislation. It will last 4 hours. Learners will be aware about procedures and persons involved in risk management.

The second stage will consider specific training on specific hazards and risks an operator can encounter in renewable energy plant production. This part will be delivered within technical modules (Biomass, Biogas, Solar). It will last 12 hours (4 hours per module).

## 2 Outline

Module 0	PLANET Introduction, Gender equality and safety training course	Bloom Taxonomy level	Test type
Day1	Introduction to the Planet Course		
LO1	Know the educational tools, the training rooms, and the trainers.	remembering	Multiple questions
LO2	Understand the structure of the course.	understanding	Interview
LO3	Be aware of personal competence (Core, technical and soft skills).	understanding	Multiple questions
Day2	Renewable energy: Environmental sustainability and market potential		
LO1	Be aware of the general issue on environmental sustainability	Remembering	Multiple questions
LO2	Know the impact of the RES on environmental protection	remembering	interview



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<b>Module 0</b>	<b>PLANET Introduction, Gender equality and safety training course</b>	<b>Bloom Taxonomy level</b>	<b>Test type</b>
<b>Day 3</b>	<b>Horizontal principles and occupational safety and health</b>		
LO1	Understand the concept of equal opportunities and gender equality and how to create a positive work environment.	understanding	Interview
LO2	Understand the general education on occupational safety and health.	understanding	Multiple questions