

INOVES

1. Workshop: Best practices of efficient use the resources applying and integration of skills needs of the labor market into VET

The organization USIT, on 23 October 2014 realize a workshop on Best practices of efficient use the resources applying and integration of skills needs of the labor market into VET within the project Leonardo INOVES.

1.1 Organization of the workshop: structure, aim and materials

The **target group** of this workshop consisted of students from environmental University of Elche and Alicante, people related to the world of Biology and people interested in the theme of the workshop.

The **Staff** involve in the workshop was people involve in the project, all the involved speakers and staff of the organization Usit meet before to prepare and arrange the things needed for the workshop.

The workshop **aimed** to offer and share best practice of efficient use of resources and to show good examples, the objective were to:

- Provide information about good practice of efficient use of resources applying and integration of skills needs of the labor market into VET.
- Identify resources that may help students/workers/unemploy people to find a green Job or to decide for their studies.

As materials for the workshop, we were using the presentation of the INOVES project to open the workshop, after most of the speakers use the power point presentation to introduce their topics; some of them interact with the participants during the speech and exchange their knowldges.

We also give leaflets about the Inoves project to promote the activities and the projecte between the participants.

1.2 Logistic of the workshop: location and program

The workshop has been develop in the “Multiroom” of municipality in El Altet, thanks to the municipality and the cooperation that we have with them, we have all the resources to host the participants and to create nice atmosphere for the workshop.

Program:

9:00 Introduction INOVES + Good Practice

9:15 Bio-Construction (Daniel Vives, Builder of the biohouse)

9:45 Renewable Energy (Jaime Macia Agullo -Electrical Engineer)

10:30 Treatment Plant ASPE (Lorena Arcos Palacios, Enviromental Educator and worker in the plant)

11:00 Ecological Urban Gardens (María Dolores Antón Bolaños degree in Environmental Sciences and worker in the Urban Garden (School area))

11:45 Break

12:00 Education and labor market (Ramon Miguel Navalon Peris, Working in the Job department of Castello de la Ribera Municipality)

12:45 Conclusions

13:00 Closing

The first part was the introduction of INOVES project, were explained the objectives within the project and the expected results at the end of the project, we shaw also the web page of the project and they were invited to participate in different activities and mobilities which will be carried out during the duration of the project.

1.3 Topic of the workshop:

1.3.1 Bio Construction (Daniel Vives, Builder of the biohouse for the Organization BioVives)

With different pictures Daniel was explaining the process to make a Eco-house and the most important to try to use all the resources around and to have the most benefit house compared to a normal house.

The conclusion of the speech were that the use of solar energy for water heating, the use of efficient appliances, low energy light bulbs and eliminate the need for air conditioning with good design can reduce energy consumption by between 50% and 80% compared to traditional homes throughout the region.

Important aspects to take in consideration for sustainable house:

Location and Environmental Assessment

- Orientation and use of passive energy
 - Integrated into the landscape and local architectural aesthetics
 - Construction systems
 - Building Materials healthy
 - Thermal comfort: heating, cooling and insulation
 - Acoustic comfort
 - Facilities: electricity, water
 - Energy consumption
 - Waste generation and recycling
 - Air Quality
- Aesthetics and interior functionality: color, light, space and dimensions



1.3.2 Renewable Energy (Jaime Macia Agullo -Electrical Engineer)

With the fact that not all the people knew about all the renewable energy that we have, Jaime was explaining some of them most important to understand each of them; Wind, Solar PV, Solar thermal, Hydraulics, Geothermal, Biomass.

After he give to real examples about 2 rural house that use some of the renewable energies.

1.3.2.1 Rural House “Water Mill” (Geothermal)

Use renewable energy (geothermal), for the use of heating, cooling and hot water.

The pool is also ecological because it takes advantage of the water jump that formerly moved the wheel of the mill, this is achieved with a green pool, as having movement, water needs no treatment.

The advantages of the house are:

Produce cold and hot water, with both heating and cooling completely clean giving a very nice atmosphere. A very important point is the energy saving, energy bill is reduced considerably.



1.3.2.2 Rural House in Alcoy (Alicante) (Renewable energy)

Rural house of energy self-sufficiency using thermal and photovoltaic solar energy, and biomass. Thermal solar panels supply the rural house hot water (DHW) and provide energy to the heating system. The house also has a solar photovoltaic installation that generates enough electricity to supply the needs of the house. The wastewater is sent to a treatment plant and, once refined, returned to the field to irrigate a small garden.

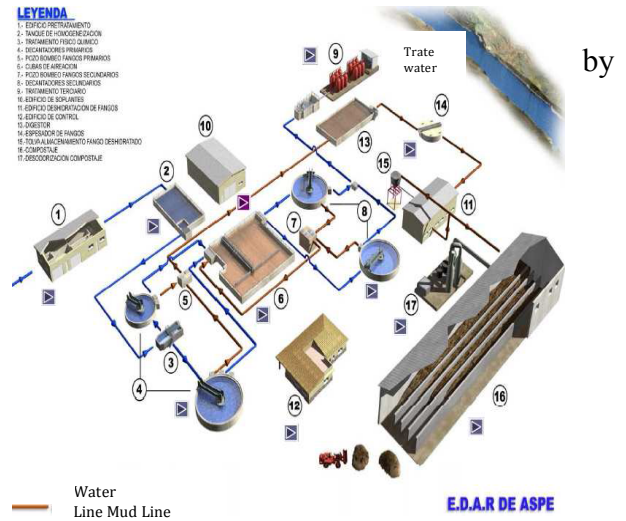


1.3.3 ASPE Treatment Plant ; (Lorena Arcos Palacios, Enviromental Educator and worker at the treatment plant Aspe)

The first part of the speech was the introduction of the wastewater treatment plant in Aspe (Alicante) and after the process and the benefits that create the plant as water for agriculture and the compost from the sludge for the field.

The original installation was built in 1984 and later expanded in 1993. Also, in 1996 the construction of a composting plant sludge from the wastewater treatment was available, the plant was composed of a single tunnel, in which was eventually expanded to 4 tunnels in 1999. Current setup is designed for maximum treatment capacity 2500 m³ / day, occupies a total area of 17200 m² and serves a population of 27,083 Hab.Eq.

Basically this consists of pretreatment, physical-chemical treatment followed by primary sedimentation, activated treatment with an average load of anoxic selector in header and tertiary treatment by filtration and subsequent arenaantracita ultraviolet disinfection allows reuse of treated wastewater sludge on crops Aspe field.



1.3.4 Urban Eco Garde: Huerto de la Cuerna (María Dolores Antón Bolaños degree in Environmental Sciences and worker in the Urban Garden (School area))

One of the nicer good practice related to reuse of the land in the urban área for the benefit of the community and the enviroment, Maria Dolores explain the objectives and the benefits of the Eco urban garden. The Garden of Huerto de la Cuerna Cuerna covers about 1300 square meters with 23 plots. The environmental awareness of three generations has been successful and these days the gardeners eat cabbage kinks, chard and broccoli, beans, boiled artichokes and oak leaf salad.

The objectives of the Urban Eco garden Are:
Promote the recovery of identity.
Provide direct experience of knowledge of the natural environment and its relationship with human activity.
Encourage citizen participation.
Promoting ecological agricultura and use of resources in the area.
Learn about the nature and the connection with the daily life.



Division of the land:

On the one hand, school Victor Pradera, Miguel de Cervantes and Carrus Academy have few plots in which their children have grown vegetables and several days a week, On the other hand, the University Miguel Hernandez has a part in which students and graduates working and researching techniques to improve organic and Eco agriculture. And finally, are retired, promoters of the project, some farmers above others without prior knowledge but wanting to experiment.

Ecological Benefits of Huerto de la Cuerna:

Huerto de la Cuerna increase a sense of community ownership and stewardship, provide opportunities to meet neighbors, provide inter-generational exposure to cultural traditions, offer a cultural exchange with other gardeners, to create a network that encourages local producers, environmental consumption, healthy eating and responsible consumption, enabling the exchange of good products and information between the people that participate in the Urban garden, Increase the consumption of fresh local products, restore oxygen to the air and help to reduce air pollution, recycle huge volumes of tree trimmings, leaves, grass clippings, and other organic wastes back into the soil.



1.3.5 Educational System + Labor Market (Ramon Miguel Navalon, Working in the Job department of Castello de la Ribera Municipality)

The firs part of the speech from Ramon Miguel was to introduce the concept and the reality in spain about renewable energy and Jobs and after introduce the educational part and show the different VET that provide courses expecific on Renewable Energy.

Renewables make up a dynamic, competitive and fast growing sector globally.

Spain is a world leader in implementation and integration of renewable energy having a strong business network and high value added exports technology and knowledge.

The national NREAP (National Action Plan for Renewable Energy Spain) provides for an increase in the contribution of renewables to final consumption from 12.2% in 2009 to 22.7% in 2020, involving new career opportunities around the renewable, the future is open to great possibilities.

Spain is becoming an example of where Green energy policy should be embraced, and the Green economic plan of sustainable development a key to escaping this economic crisis. Green development is financially feasible and economically sound. Apart from the simplest issue of jobs and the rippling effects of employment, developing renewable energy is also creating a valuable, highly skilled work force in Spain.

Training today for future professionals, the training will be key renewables have the skilled workforce, from vocational to university education.

Continuing education and training are necessary in the field of renewable energies. In technical professions is imperative: ensuring upgrading of skills and knowledge as technologies change; build skills and general skills.

1.3.5.1 Vocational Education and Training centers to study in the Comunidad Valenciana in the theme of Renewable Energy.

I.E.S. Cotes Baixes (Alcoy)

C.I.P.F.P. catarroja

C.I.P.F.P. Benicarlo

1.3.5.2 Different webpages for Green Jobs and Studies in Spain:

<http://www.ecoempleo.com/>

<http://cursosverdes.com/cursos>

<https://www.enviroo.com/>

http://www.cece.gva.es/eva/es/fp/oferta_fp.htm

1.4 Conclusion:

The world is becoming a huge pantry, rather dubious utility. We do not realize, but the amount of resources that we consume daily to make the most mundane and routine tasks is immense.

That is why governments and administrations are beginning to see the importance of meeting energy needs with resources other than fossil and make extensive use of alternative energy: solar, wind, geothermal, hydro and biomass.

The advantages of using renewable energy are enormous: let reduce countries' dependence on imports of energy and thus ensure supplies help to improve the global competitiveness of Spanish industry have positive effects on regional development and employment are consistent with the overall Spanish strategy for sustainable development.

The impending climate change and the depletion of traditional resources have made the green training and related professions respect and environmental conservation have increasingly demand more professional opportunities.

Beyond awareness, these new professions require specific training. Technicians and professionals working in renewable energy and have at their disposal with which to form specialized programs. Whole project managers and installers are among the most popular profiles.

!!!WE NEED TO INVEST MORE IN THE ENVIRONMENTAL EDUCATION AND GREEN JOBS AND CAREERS!!!!

1.5 Workshop products:

INOVES

Buenas Practicas

Uso Eficiente de los recursos

23 de Octubre 2014
9 a 13:00 h
Sala Multiusos El Altet

Poster



9:00 Introducción Buenas Practicas
 9:15 Bioconstrucción
 9:45 Energías Renovables
 10:30 Depuradora de Aspe
 11:00 Huertos Urbanos Ecológicos
 11:45 Descanso
 12:00 Educación y salidas laborales
 12:45 Conclusiones
 13:00 Clausura



Abierta a todo el Público
GRATUITA!!!

El taller está subvencionado por la Unión Europea dentro del proyecto Europeo Leonardo Asociaciones INOVES, que la asociación USITA tiene aprobado desde 2013 al 2015.

Leaflet



Leonardo da Vinci Partnership Project

INOVES

Taller:

Buenas practicas sobre el Uso Eficiente de los Recursos



Socios en el proyecto:

TRAINING CONS 2005 srl, **Romania**

National Agricultural Advisory Centre in Brwinow, **Poland**

IMPULSA IDEAS, S.L., **Spain**

Asociacion USIT, **Spain**

Department of Biology, University of Florence, **Italy**

District Governorship of Sultanhisar, **Turkey**

Bolu Provincial Directorate of Environment and Urbanization, **Turkey**

Vocational High School of Mechanical Techniques, **Bulgaria**

Association "European Values Institute", **Bulgaria**

Resumen del proyecto

INOVES:

A partir de la prioridad de mejorar la contribución de la educación y la formación de los objetivos de la Estrategia Europa 2020, necesitamos mejorar los resultados de la educación y la formación. El Marco Estratégico para la Nueva Cooperación europea en educación y formación («ET 2020») apoya la Estrategia Europa 2020 para "aumentar la eficiencia de los recursos", porque la eficiencia de recursos será la clave para garantizar el crecimiento y el empleo para Europa y proporcionarán una vida cualitativa.

A partir de este punto, nos gustaría centrarnos en la cooperación entre las instituciones de formación profesional y el mundo del trabajo en Europa, para involucrar a los socios de ambas partes con el fin de buscar nuevas estrategias de trabajo y campos en esta área.

Las direcciones de los proyectos a los profesores, formadores, tutores que trabajan en el campo de la utilización de recursos (agricultura, transporte) y el medio ambiente o en profesiones similares en las instituciones de las escuelas / EFP y desde el mundo del trabajo.

Programa del Taller de Buenas practicas:

9:00 Introducción INOVES – Buenas Practicas

9:15 Bio-Construcción (Daniel Vives, Constructor casa Bio)

9:45 Energias Renovables (Jaime Macía Agallo –Ingeniero Electrónico)

10:30 Depuradora de ASPE (Lorena Arcos Palacios, Educadora Ambiental y trabajadora de la plama)

11:00 Huerto urbano (Maria Dolores Antón Bolaños Licenciada en Ciencias Ambientales y trabajadora del Huerto)

11:45 Descanso

12:00 Educación y Mercado Laboral (Ramon Miguel Navalon Paris, Trabajador del area de trabajo del Ayuntamiento de Castello de la Ribera)

12:45 Conclusiones

13:00 Cierre