Organic market gardening project to learn to produce differently

Learners and teachers, together to build knowledge
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Bienvenue

Karibu

Wilkommen

APPEL
European Award
EITA

Coordination
EPLEFPA 68
Lycée de
Wintzenheim

European Innovative Teaching Award
... This award encourages further innovation

Partners:
Langenlois A
Coconi Mayotte
Freiburg D
Cutting with disc saw and band saw

Trusquin

Pointing

Grinding

Tapping

Magnetic drilling

Arc welding

Weeder assembly

Self-building workshop

Campagnole assembly and plot test
Freiburg farmers' market

Exchange of educational practices

Compost preparation

Protection of bees

Obstparadies and the preservation of biodiversity
Self-service shop for Vegetables

Vegetable subscription box

Freiburg farmers' market
Goose game

Learn more about agroecology
Students teach students

Produce educational film
APPEL : apprendre à produire en protégeant l’environnement et l’humain. Project funded by ERASMUS PLUS program.

- Teacher mobility (40 people)
- Learner mobility (60 people, including 12 YOW*)
- Mobilisation in schools (200+ people)
- Integration of the economic and entrepreneurial environment (40 companies)
- Meetings with technical partners (20)

* Youth with fewer opportunities (YOW)
The project is over.............

.........the seeds are in the ground........

.............and now look what has grown from it
- A lot of Green waste from leaves, mowing, cutting ...
- Buying and using fertilizer, compost for flowers, shrubs, trees before planting.
- Renting an expensive green waste dumpster often full. Some compost should come back after finishing the process but it’s not regular
Producing compost and reuse in the organic market gardening
The Agrivalor company was born from a project of 5 farmers to create several composting area and methanisation station. They recycle different kind of waste (industrial, dairy farming, school cafetaria, landscapers) into compost, energy and fertilizer.

The school market gardening farm has used mulch and fertilizer coming from their crop to limit weed growth and improve soil fertility for 5 years.

More and more nurseries, vegetable growers produce compost with their own waste (in Germany, Austria, Italy). In the same way landscapers recycle more and more wastes after cutting hedges, mowing the lawns, excavating in different gardens.
The European section specialization is composed of about 10 students (2 hours per week, 3 teachers). We teach sustainable development (green energy, water management... green waste reuse) . With some students from different sections, we try to find a common topic of work for everybody.

We want them to be ready to go an a work placement abroad.

Working on green waste valorisation was quite interesting because it is practical and need a wide range of skills. Some could use an excavator, grind wood branch, build a compost bin and shrubs and other could analyse the compost (fungi’s, ph., moist, organic matter). We also read articles about composting to improve the knowledge and to prepare fun tests. We also watch different videos. With 2 kind of assessment I saw if they improved. First was a Kahoot quiz and then a snakes and ladder.
Aquaponic company

Ferme Aquaponique de l'Abbaye à Chaumossey

Schéma de l’aquaponie

Nitrate [NO3]
Nitrite [NO2]
Ammoniac [NH3]
Bactéries

Cycle de l’azote

Aquaponic company

Absorption de l’oxygène naturel par les racines des plantes

Nourrir les poissons

Nettoyage du cycle

Réalisation d’une eau propre aux poissons

Rejets des poissons
Rose water with steam distillation or orange soap for example

Biogaz producing

Producing shiitake
new processes in horticulture

new teaching methods

personal experience

networking
But... this project was more than learning and teaching together..........

.... For some students it was more than a special experience that positively influenced them for the rest of their lives.....

...I would like to show you two of these young students at the end:

Anil, who came to Mayotte as an underage refugee from the Comoros...

Luca, a young organic farmer who has never been on vacation in his life because there is so much work on his parents' farm
....What counts in the end......

........are not only good experiences and beautiful moments

....but.....

We are all together

Europe
Thank you very much for your attention