



Agri-food Waste Management for Sustainable bio-economy through Higher Education curricula and upskilling

Erasmus+

Enriching lives, opening minds.

Higher education



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the European Union

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PORTUGAL EDUCAÇÃO E FORMAÇÃO

Joséa Guedje & Matthieu Garcia-Mesa
Aix Marseille University



For food self-sufficiency in orphanages and community shelters

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Goals

AGRIMA aims to foster universities' **capacity building** for the **green transition** through **innovative practices** and **higher education curricula updating** in **agri-food waste management** for the **circular bioeconomy**.

AGRIMA addresses:

- 1. Advancing pedagogical methods** for industrial agri-food waste valorisation **based on business-academia synergies**.
- 2. Integrating citizen science** in bio-economy-enhanced waste valorisation as a means of **civic engagement and environmental advocacy**.



Our Commitments

1. Food Security
2. Environmental Education
3. Circular Economy
4. Emotional Well-being
5. Empowerment
6. Solidarity



Our Field Actions : Example of Benin



AGRIMA

- 1. Preliminary phase** : This assessment aimed to evaluate the nutritional and educational needs in seven orphanages, as well as to identify suitable spaces for implementing the project.
- 2. Production Implemented** : Approximately 2,000 fish were introduced, comprising two locally adapted species: **Clarias** (African catfish) and Tilapia

2 Orphenages and
120 childrens

Our Field Actions : Example of Benin

3. Invest : Two fish farming tanks measuring 4 m x 4 m x 2 m for aquaculture production. One hydroponic cultivation tank measuring 6 m x 2 m x 0.5 m, dedicated to vegetable production

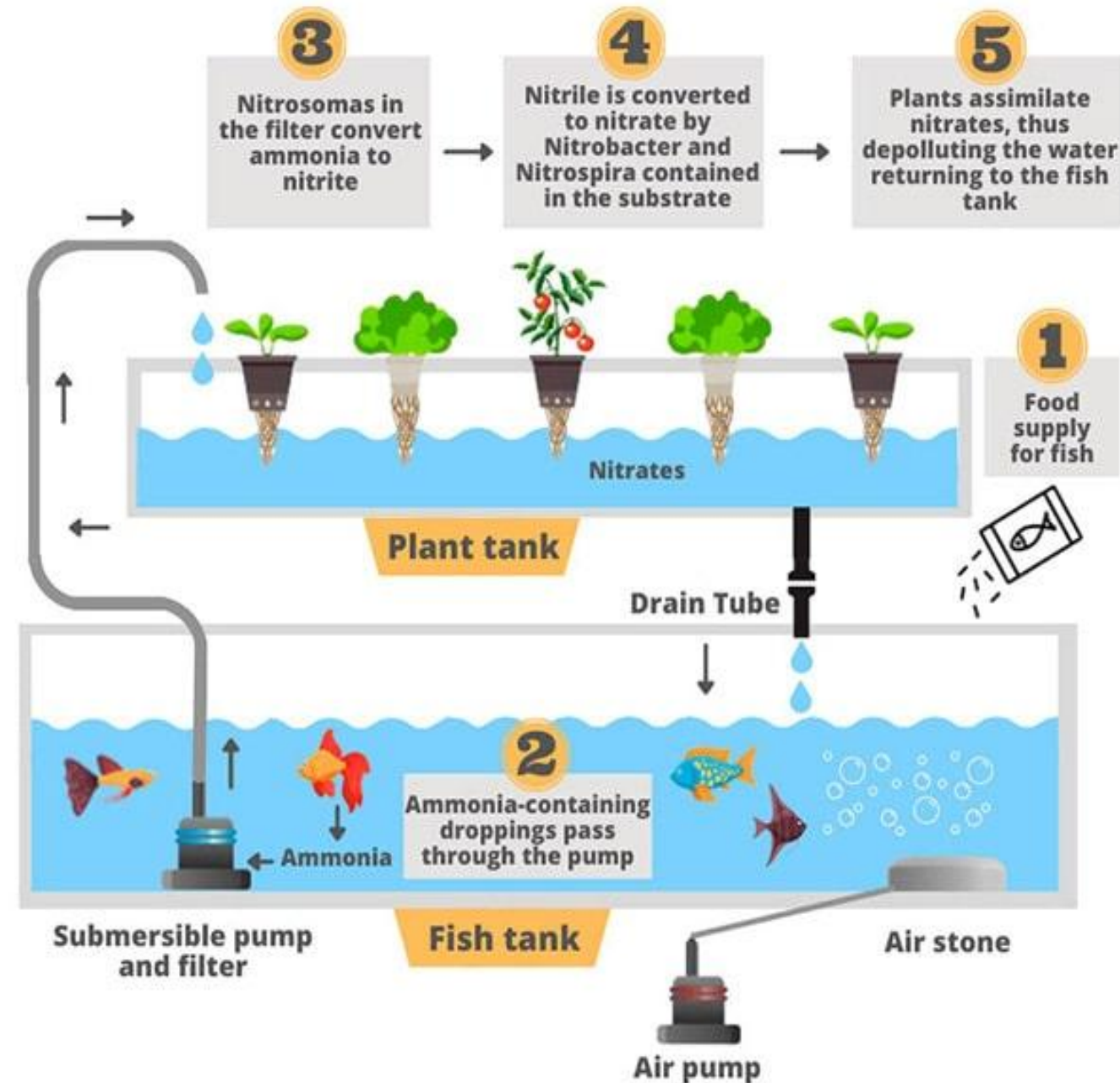
4. Hydroponic cultivation : The following leafy vegetables were planted in the hydroponic system (Lettuce and Solanum macrocarpon)



AGRIMA

70% collective catering
30% solidarity-based sales
by the orphanage.

Aquaponics system schema



Aquaponics is an innovative cultivation method that combines two complementary agricultural systems:

- **Aquaculture**: the farming of fish in controlled environments
- **Hydroponics**: the soilless cultivation of plants in nutrient-rich water



ALIMENTATION



DURABILITE

AVA
AVENIR VERT SOLA

What if we saved time on bagging?



Control fishing



Control fishing



Hydroponics



Control fishing



Control fishing



Control fishing



Control fishing



Aquaponics Training



Plant Production Training



Plant Production Training



Plant Production Training



Plant Production Training



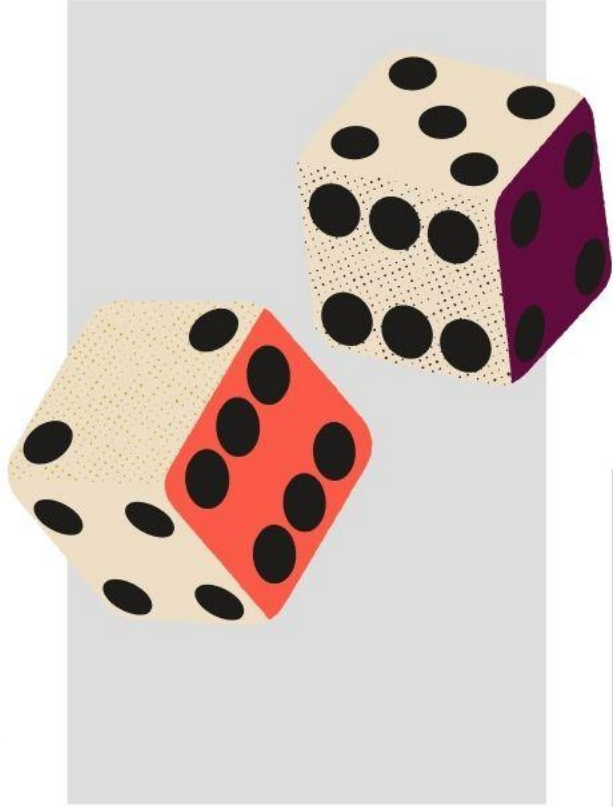
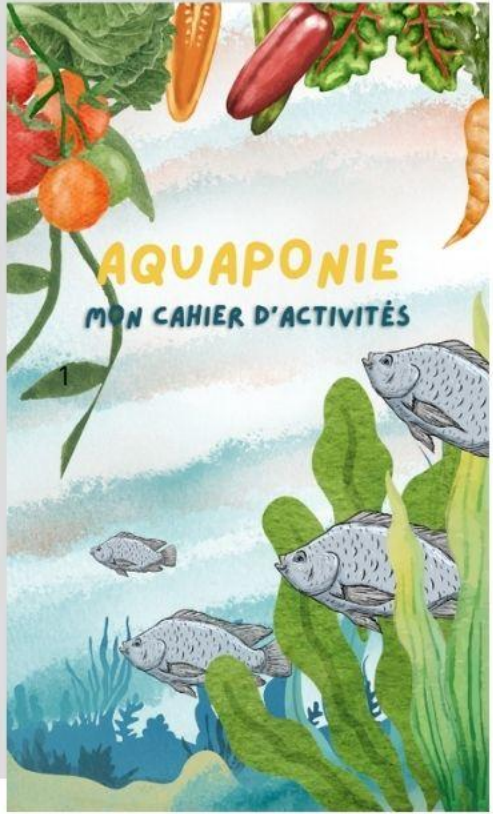
Plant Production Training



Plant Production Training



Plant Production Training





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AWARDS



Partners

