Next FOOD

EDUCATING THE NEXT GENERATION OF PROFESSIONALS IN THE AGRIFOOD SYSTEM

D6.4: Information material for scientists and public no.1

WP6 – Communication, dissemination and exploitation

Document Information

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WP Leader	Name of WP Leader Here			
Authors	Evdokia Krystalidou			
Contributors	Martin Melin			

Document History

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1.0		Final	Review	

Table of Contents

Executive summary

The Current deliverable presents the Information material for scientists and public no.1. The material has been printed and distributed to partners for dissemination by the lead beneficiary of WP6: AFS.

1 Brochure

Partners

Swedish University of Agricultural Sciences

Lund University

University of Oradea

University of South Bohemia in České Budějovice

Norwegian University of Life Sciences

American Farm School

Alma Mater Studiorum - University of Bologna

Bioinstitut

Forestry Research Institute of Sweden

Agronutritional Consortium Of The Region Of Central Macedonia

International Center for Advanced Mediterranean Agronomic Studies

German World Hunger Aid

Sekem Development Foundation

Mekelle University

Alexander Technological Educational Institute of Thessaloniki

European Association for Integrating Food Science and Engineering Knowledge into the Food Chain

Roskilde University

University of Gastronomic Sciences

University of Chile

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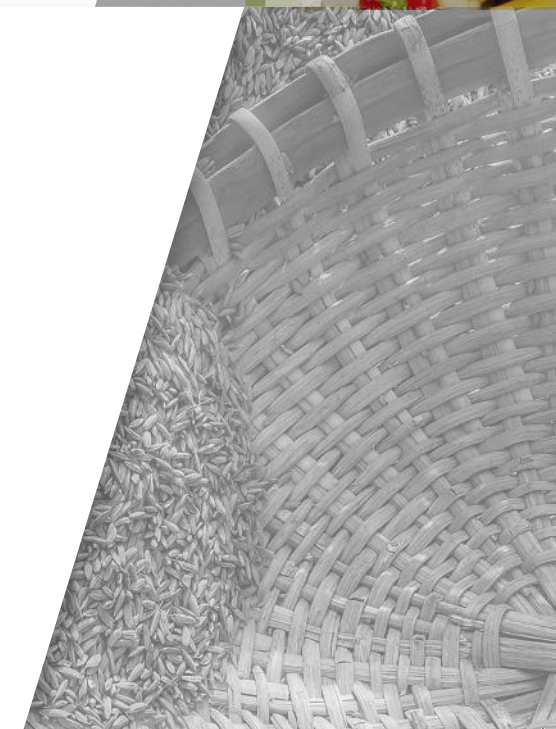
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info@nextfood-project.eu

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Educating the next generation of professionals in the agrifood system

What is NextFOOD?

NextFOOD is an International project funded by Horizon 2020 Research and Innovation Framework Programme that started in 2018 and will last until 2022.

NextFOOD will drive the crucial transition to more sustainable and competitive agrifood and forestry systems development by designing and implementing education and training systems to prepare budding or already practising professionals with competencies to push the green shift in our rapidly changing society.

Goal

To generate an innovative European science and education road map for sustainable agriculture and forestry along the value chain from research via production into application.
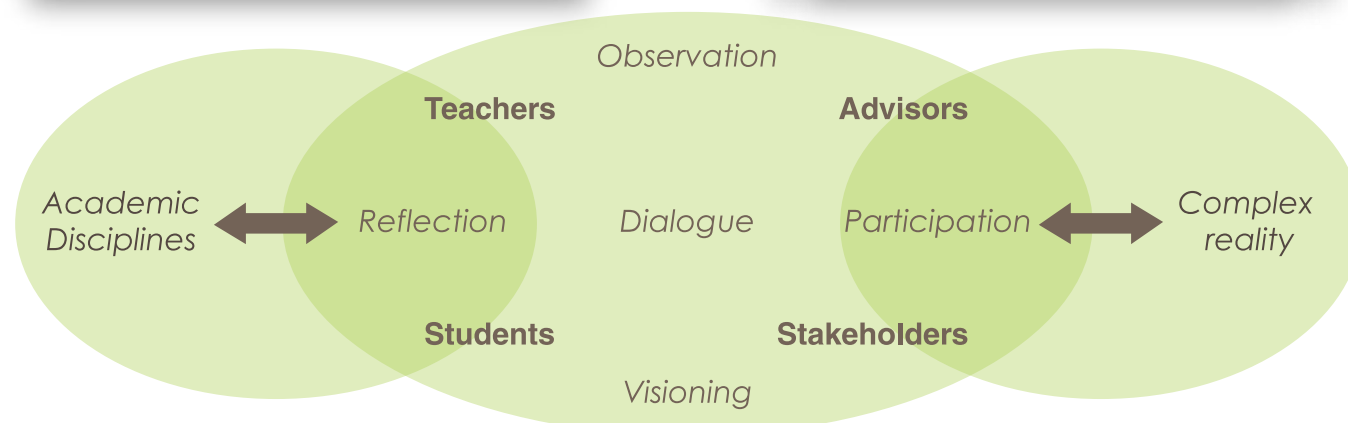
Objectives

- Create an inventory of the skills and competencies needed for a transition to more sustainable agriculture, forestry and associated bio-value chains

- Facilitate case studies to identify gaps and needs

- Test new relevant curricula and training methods

- Identify policy instruments that support the transition towards action-, and practice-oriented learning methods

- Peer-review tools for evaluating the quality of the practice-oriented research

- Create a platform for knowledge sharing

- Development of **Inventory of skills** needed for a transition to more sustainable agriculture, forestry and associated bio-value chains

- **Action Research Facilitation** to enhance participatory innovation processes. Facilitation of a number of case studies that are in a transition to participatory, action-directed learning in agrifood systems, and in the range from vocational training to university studies

- **Future curriculum for an Action-Oriented, Participatory Education** and training systems to spur innovative development within formal education and informal training strategies related to agrifood systems

- **Policy Recommendations** on a regional, national and EU-level for education and training systems for farmers, forest professionals, advisers and others, that will support action and help address challenges in the improvement of sustainability of agrifood systems

- **Quality assurance for practice-oriented research** output and development of a list of the best practices of standards and criteria for quality assessment of practice-oriented research and education

Transformative and Participatory Learning Model

COLLABORATIVE AND ACTION-ORIENTED LEARNING

Observation

Teachers   Advisors

Academic Disciplines ←→ Reflection   Dialogue   Participation ←→ Complex reality

Students   Stakeholders

Visioning

NextFOOD is facilitating co-creation of innovation and knowledge in agriculture, forestry and related bio-value chains to overcome obstacles preventing efficient implementation of innovative techniques and methods in the agrifood and forestry sectors. Cultivating five competencies: **observation, reflection, participation, dialogue, and visioning,** to educate lifelong learners in agrifood systems. By preparing farmers, students, advisors and others to become lifelong learners and acquire the soft and the technical skills needed to go from knowledge to action, NextFOOD will boost the transition to a more sustainable and competitive food and forest production.

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3 Project Presentation

Next **FOOD**

EDUCATING THE NEXT GENERATION OF PROFESSIONALS IN THE AGRIFOOD SYSTEM

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What is NEXTFOOD?

NextFOOD is an International project funded by Horizon 2020 Research and Innovation Framework Programme that started in 2018 and will last until 2022

Will drive the crucial transition to more **sustainable and competitive agrifood and forestry systems** development by designing and implementing education and training systems to prepare budding or already practicing professionals with competencies to push the green shift in our rapidly changing society

A consortium of 19 Partners

Europe	Africa	Latin America
SLU, University of Gothenburg, Universitatea din Oradea, Charles University; NMBU, American Farm School Thessaloniki - Greece, Alma Mater Studiorum, BIOINSTITUT; skogforsk, CIHEAM, welt hunger hilfe; ISEKI - Food Association, METROPOL	SEKEM DEVELOPMENT FOUNDATION, Mekelle University	UNIVERSIDAD DE CHILE

Objectives

Overall aim: To generate an innovative European science and education road map for sustainable agriculture and forestry along the value chain from research via production into application.

Objectives:
- Create an **inventory of the skills** and competencies needed for a transition to more sustainable agriculture, forestry and associated bio-value chains
- Facilitate **case studies** to identify gaps and needs
- Test new relevant curricula and **training methods**
- Identify **policy instruments** that support the transition towards action-, and practice-oriented learning methods
- **Peer-review tools** for evaluating quality of the practice-oriented research
- Create a platform for **knowledge sharing**
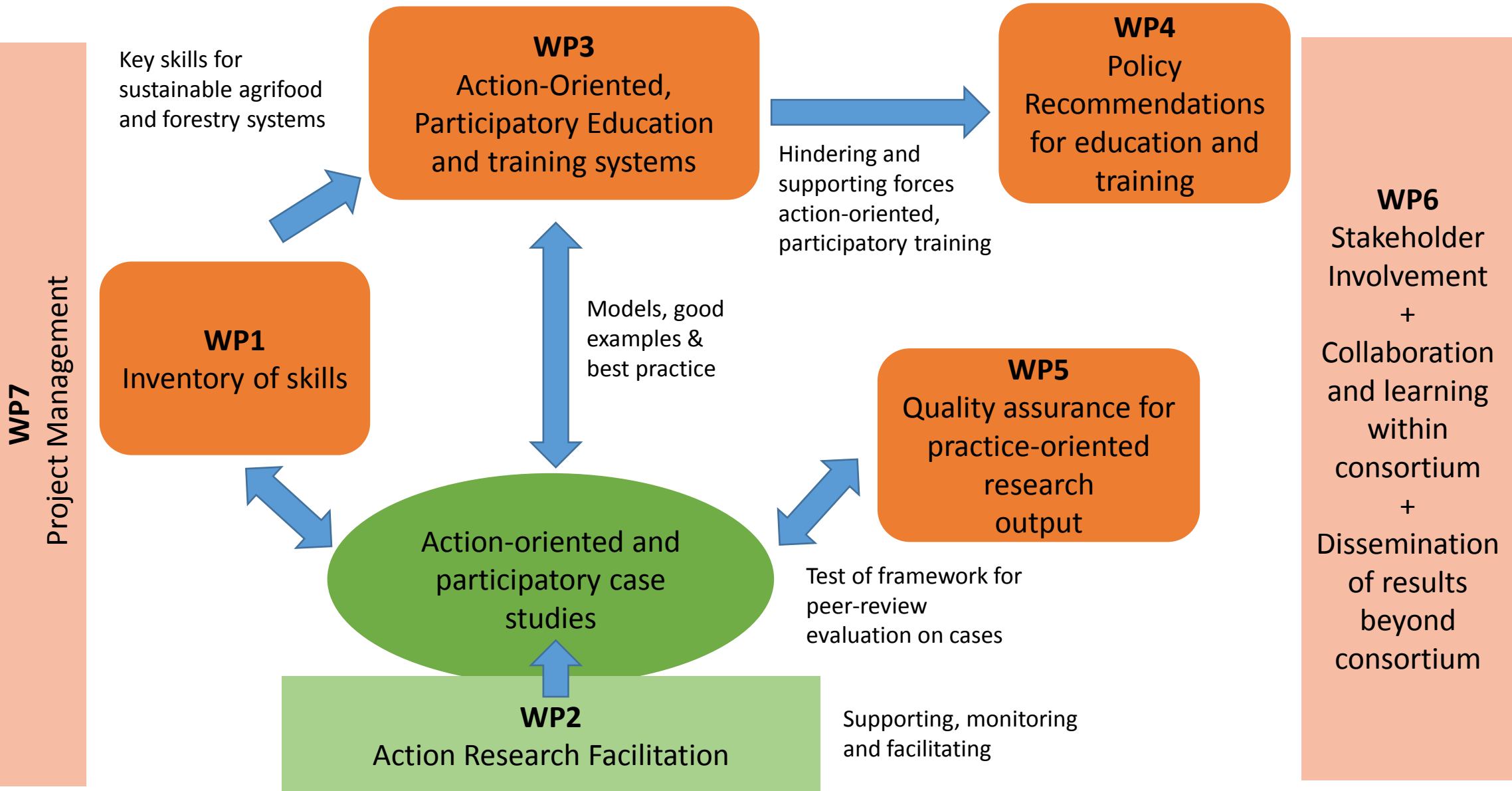
Action-learning

In 2018 it was agreed to use methodology based on case studies using as a reference the action-learning model adapted from Lieblen *et al* (2012), which seeks to generate a close link between University and Society.
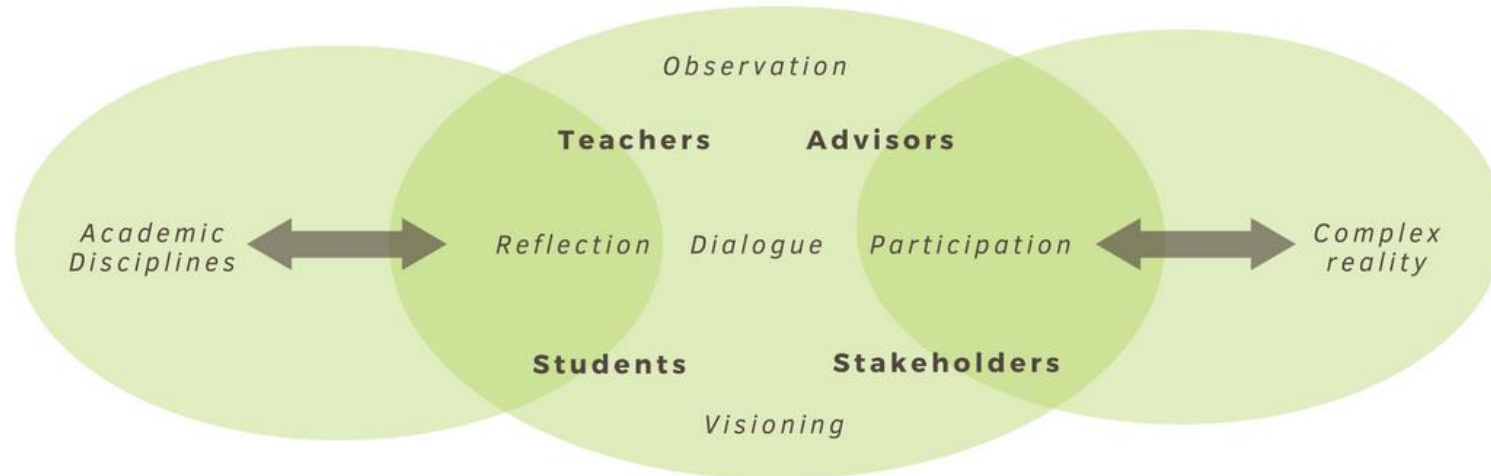
Work Packages (WPs)

Work packages and tasks

| WP1	WP2	WP3	WP4	WP5	WP6	WP7
T 1.1. Inventory of skills	T 2.1. Planning of action	T 3.1. framework to assess	T 4.1. Diagnostics of existing policies	T 5.1. Review	T 6.1 Dissemination plan	T 7.1. Communication
T 1.2. Analysing gaps	T 2.2. Mentoring and supervision	T 3.2. Training	T 4.2. Identification of strategies	T 5.2. Evaluation	T 6.2: Public dialogue	T 7.2. Progress / project monitoring
T 1.3. Roadmapping		T 3.3. Evaluation	T 4.3. New Instruments	T 5.3. Testing	T 6.3. Events	T 7.3. Financial and administrative
			T 4.4. Gender-assessment			T 7.4. Legal compliance
						T 8.1 – 8.3 Ethics

Case Studies

The project has adopted a case oriented approach

```
                    ┌──────────┐
                    │  Farmers │
                    └──────────┘
                         │
┌──────────┐      ┌──────────────┐      ┌──────────┐
│ Students │──────│     Case     │──────│ Students │
└──────────┘      │   Studies    │      └──────────┘
                  └──────────────┘
                         │
                  ┌──────────────┐
                  │    Other     │
                  │   Relevant   │
                  │ Stakeholders │
                  └──────────────┘
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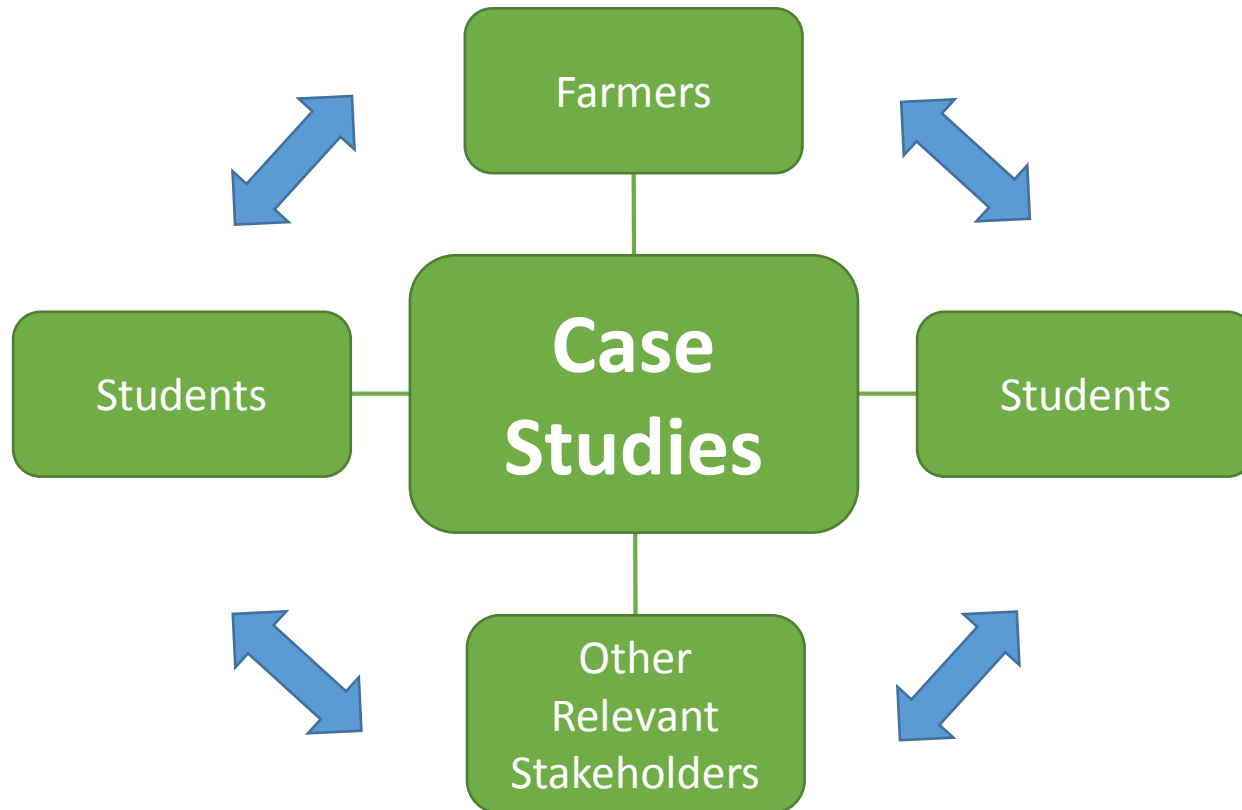
The case development will rest on an iterative, participatory process consisting of:
1. Observation and description of the current situation in each case.
2. Visioning of a desired future state.
3. Analysis to identify key issues, solutions, supporting and hindering forces, etc.
4. Elaboration and discussion of action plans.
5. Implementation of plans.
6. Iteration of this process.
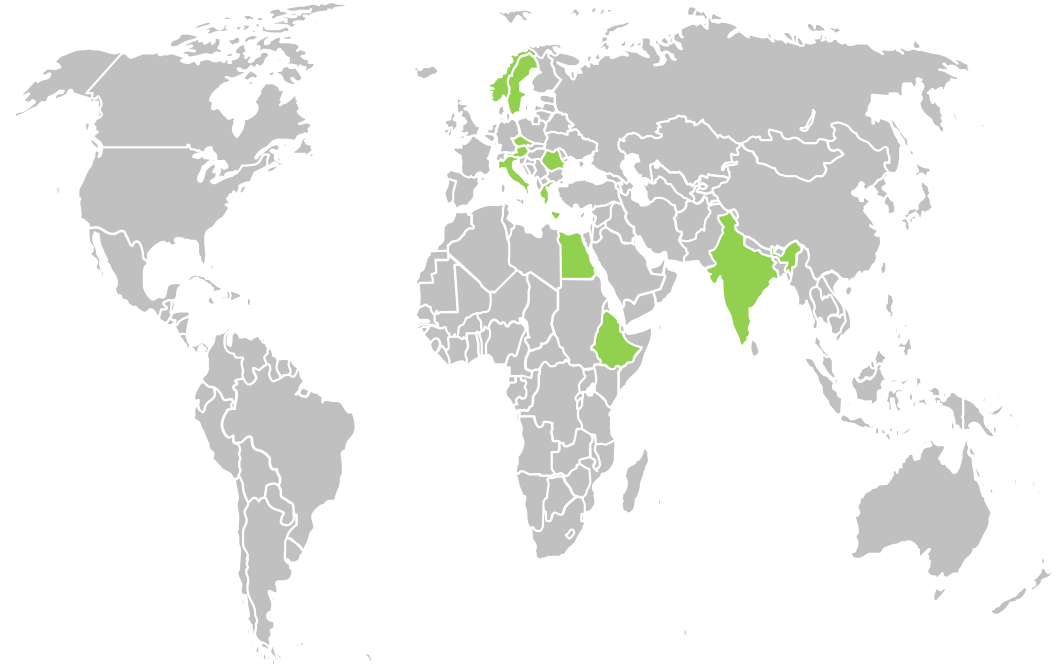
Case Studies

- **Case 1.** Agroecology and sustainable farming systems (**Norway**)
- **Case 2. Students and farmers taking food innovation from idea to market** (**Romania**)
- **Case 3.** Learning from farmers Training Centres: Multi-stakeholder action learning Platform (**Ethiopia**)
- **Case 4.** Supply Chain Innovation competition (**Austria**)
- **Case 5.** Action learning Agriscapes (**Greece**)
- **Case 6.** Towards a profitable and sustainable forestry chain (**Sweden**)
- **Case 7.** Agroecology: action learning in farming and food systems (**Czech Republic**)
- **Case 8.** Experiential and action learning in sustainable gastronomy (**Italy**)
- **Case 9.** Improving sustainability in farming and food systems by bringing in agroecological approach through action learning (**India**)
- **Case 10.** Educating the next generation of professionals in the agrifood system (**Egypt**)
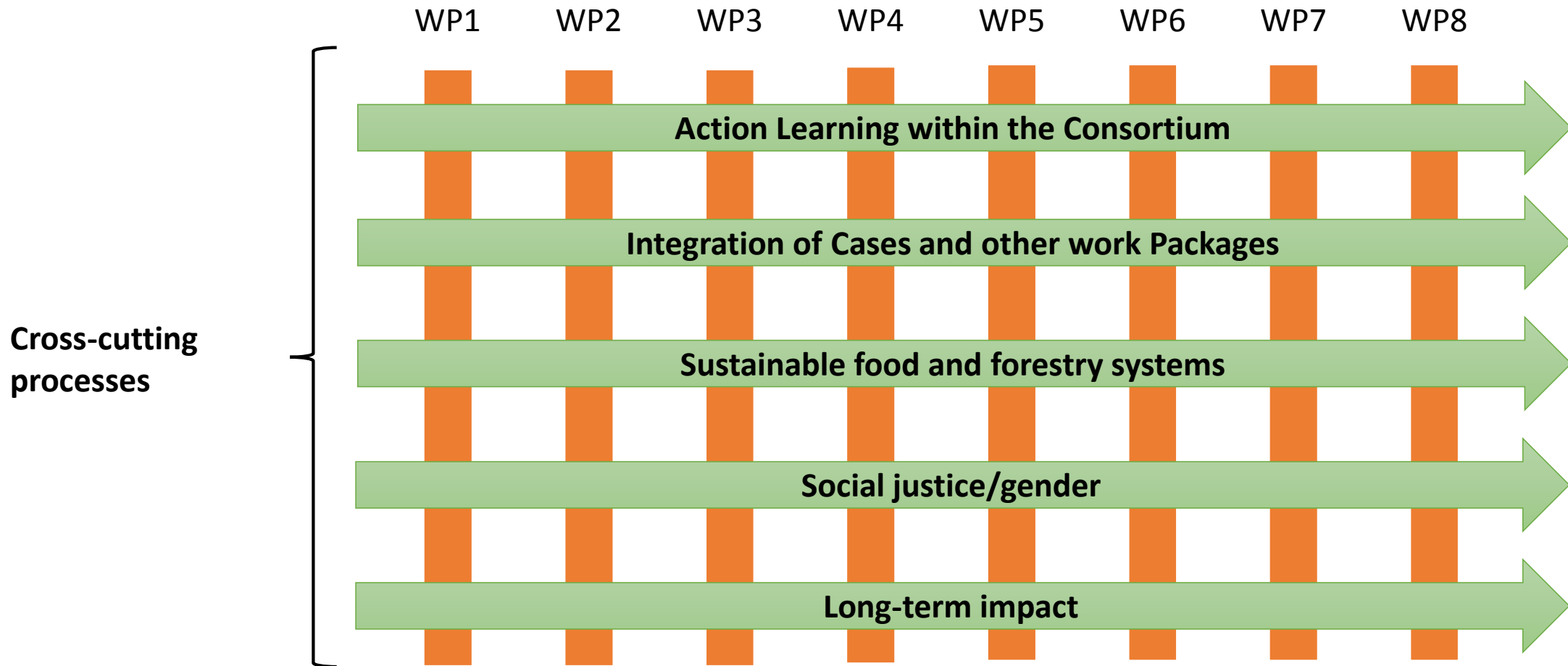
Case Studies

Each case study is different depending on its objectives, but all of them are united by the application of one strategy: **participatory education** in educational systems and professionals training. This is centered in the acquirement of competencies like:

- Observation
- Dialogue
- Vision (principles)
- Reflection

Integration of Cases Studies with Working Packages

Existing training and education systems
WP1

External case environment

Stakeholders
WP4

Development of cases

WP 2 & 3

Current understanding of learning

Policy instruments

WP5
Current knowledge in sustainability

WP6
Incentives for practice-oriented research

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Cross-cutting processes

| | WP1 | WP2 | WP3 | WP4 | WP5 | WP6 | WP7 | WP8 |

Action Learning within the Consortium

Integration of Cases and other work Packages

Cross-cutting processes

Sustainable food and forestry systems

Social justice/gender

Long-term impact

Find more about us…

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4 Banner

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Educating the next generation of professionals in the agrifood system

Driving the green shift to more sustainable and competitive agrifood and forestry systems
Designing and implementing learner-centric, participatory, action-based and action-oriented education and training

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6 Website and Social Media

6.1 Website

https://www.nextfood-project.eu/

6.2 Facebook

https://www.facebook.com/nextfoodinnovativescienceandeducation/

6.3 Instagram

https://www.instagram.com/nextfoodproject/

6.4 Twitter

https://twitter.com/NextFood3
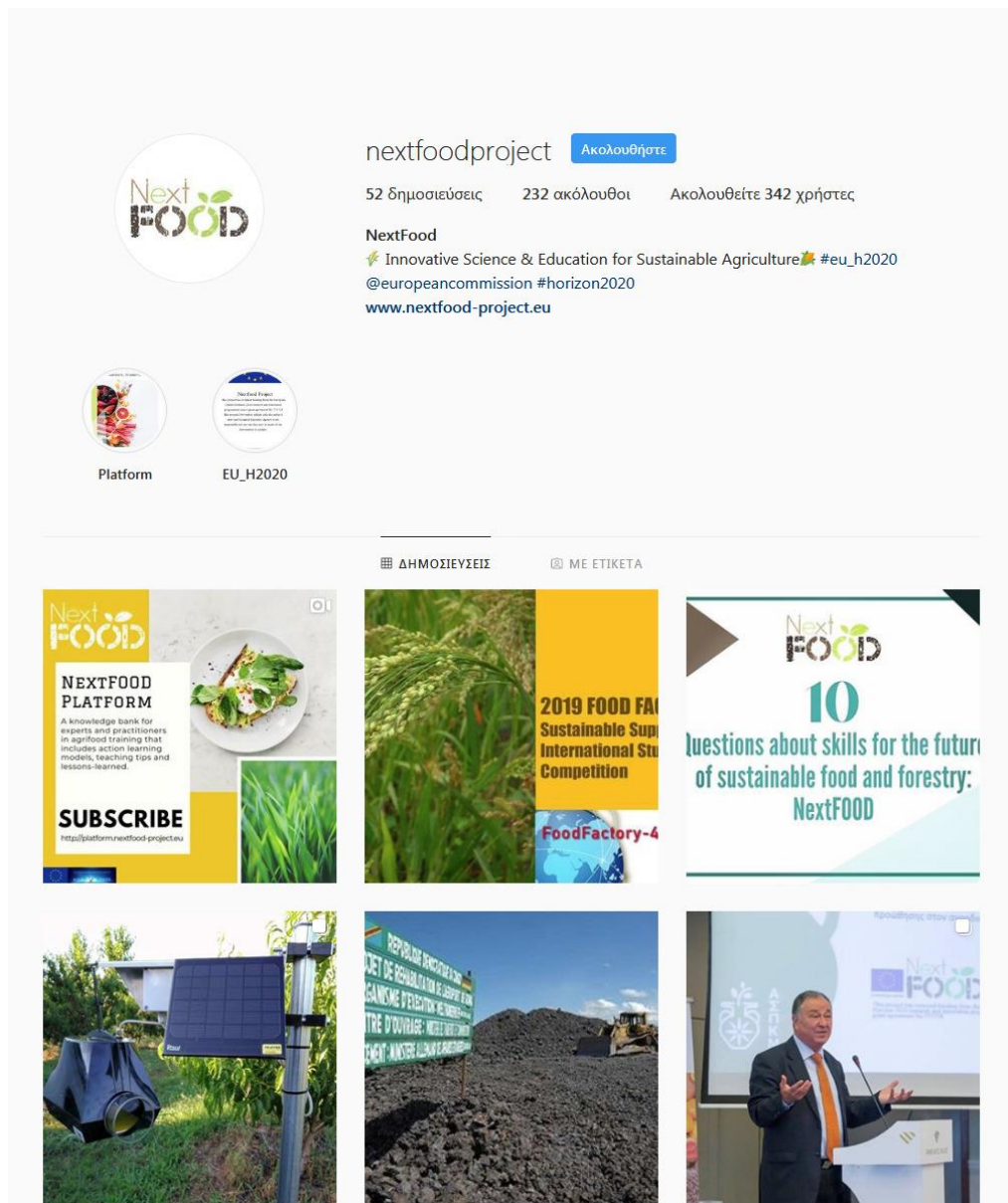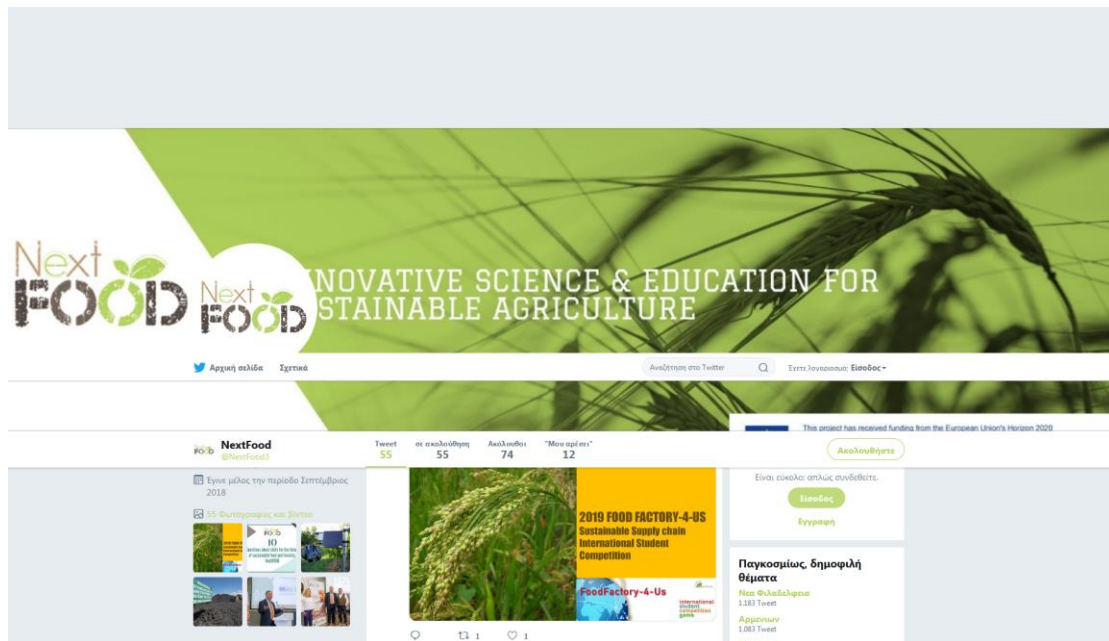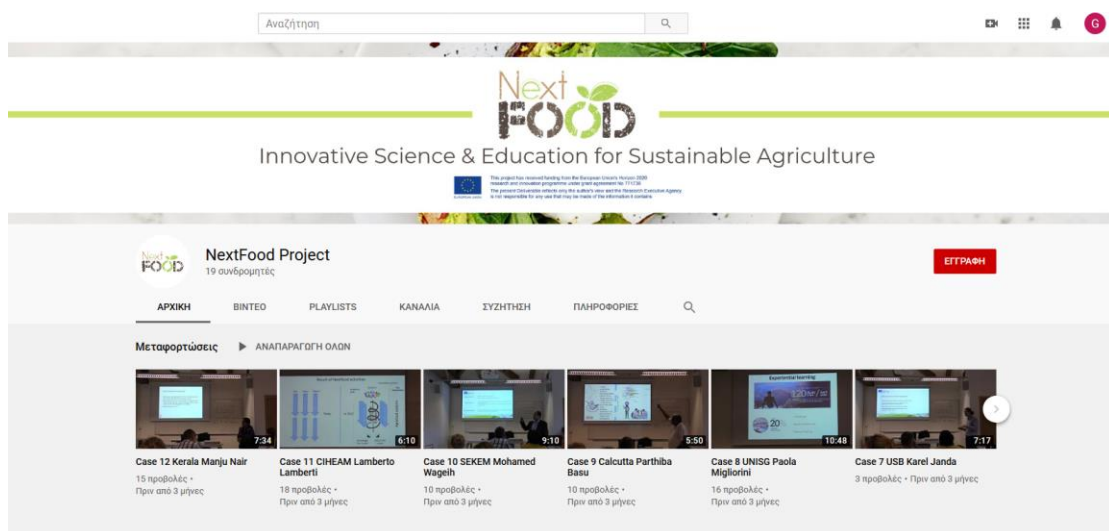
6.5 YouTube Channel

https://www.youtube.com/channel/UCEjsZeXhtM_S3kju-iWLUww