

TEFSI - Transformation of European Food Systems towards Sustainability by Transnational, Innovative Teaching

Charlotte Prelorentzos c.prelorentzos@unisg.it, Paola Migliorini p.migliorini@unisg.it

Find further information about the concepts at tefsi.eu

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Project Consortium: Warsaw University of Life Science (Poland), Copenhagen University (Denmark), Kassel University (Germany), Münster University of Applied Sciences (Germany), Institut Supérieur D'agriculture Rhone Alpes ISARA – Lyon (France), Charles University (Czech Republic), University of Zagreb (Croatia), Aleksandras Stulginskis University (Lithuania).

Main Topic

- New innovative curricula/educational methods/development of training courses
- Pedagogy and didactics
- Social and environmental responsibility of educational institutions

Main Results of the project:

- Analysis of the level of inclusion of food system sustainability issues in higher education by European University lecturers, the lecturing tools used & perspectives for innovation (survey across 9 EU Universities' lecturers)
- Training materials on the innovative teaching tools & concepts (for 1st training event in Copenhagen)
- Training materials on the innovative teaching tools & concepts (for 2nd-5th training events in Zagreb, Kaunas, Prague and Warsaw)
- E-booklet on the best teaching practices & tools for food system sustainability
- On-line lectures for teachers on good teaching practices & tips for food system sustainability teaching

Intellectual Outputs

O1 Analysis of the level of inclusion of food system sustainability issues in higher education by European University lecturers, the lecturing tools used & perspectives for innovation

The report is based on the questionnaire developed jointly by representatives of each of the 9 Universities participating in the project. The teaching tools, methods, approaches were the leading subject of the survey. The 17 questions were divided into 3 sections: (1) own teaching activities, (2) innovation in teaching, and (3) teacher training-experience. The survey was done with 30-100 teachers from each university/country, representing fields related to the food system (agriculture, food sciences, related life sciences).

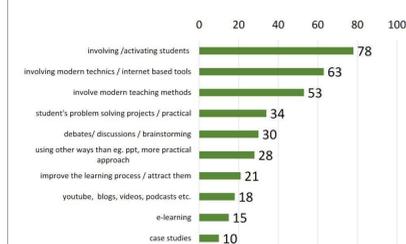


Figure 1. What does "innovative teaching" mean for you? (based on N=239)



Figure 2. If you don't use innovative teaching methods/tools in your teaching, why?

The survey answers helped to design trainings on innovative teaching for European university lecturers. They also point out the perspectives of university lecturers on innovative teaching for sustainable food systems.

O2 + O3 Training materials on the innovative teaching tools & concepts

For the TEFSI Trainings a set of training materials on innovative teaching tools & concepts prepared by the representatives of the University of Copenhagen, University of Kassel, Münster University of Applied Sciences, University of Gastronomic Sciences and ISARA-Lyon in cooperation with (and with feedback of) other project partners have been developed.

Usage of the innovative methods has been in most cases illustrated for the subjects covering different aspects of sustainable food systems.

About the following training you find further information and materials, which can be downloaded, on the project website:

- The ABC-model for course design
- Framework of teaching
- Peer feedback
- Hands-on iPad video workshop
- Food Eco Innovation Module and Competition: ECOTROPHILIA
- A real-life professional situation for students: MAESTRO
- Interactive survey on terroir products during excursions: TERROIR
- Creative Problem Solving
- Learning through experience. An action-based approach: Field trip cases
- Group work processes-Belbin roles
- National Dish-tool and National Dish-cookbook developed within the SUSPLUS project: National-Dish-Cookbook
- Experience on innovative education from EPOS and SUSPLUS projects

O4 E-booklet on the best teaching practices & tools for food system sustainability

Facing the complexity of our present and future food system, strategies and solutions are needed towards a sustainable transformation. Hence, Higher Education Institutions take part in the contribution of a sustainable development. TEFSI provides the impetus for lecturers to implement the complex issues of sustainability into everyday lectures. By applying, developing and widely disseminating innovative teaching methods all stand to benefit from the strength of transnational exchange to transform our food system.

In this handbook educators of higher education institutions share their approaches and insights into their practice. This handbook is supposed to provide inspiration and guidance for lecturers to implement the shared approaches and insights into their own teaching and contribute in this way to the transformation to sustainable food systems.

On the project website you can find the TEFSI handbook as E-booklet: **'Impulses for Innovative Teaching'** for university lecturers interested in the transformation of sustainable food systems



Figure 3. The E-booklet

O5 On-line lectures for teachers on good teaching practices & tips for food system sustainability teaching

TEFSI on-line lectures are aiming to increase innovativeness of teaching methods and contents used by the lecturers of all participating universities and beyond, and as in long term to increase sustainability of the European food systems.

For the TEFSI on-line lectures each partner university has identified one of their elements of innovation and therefore a well thought, unique, absolutely innovative, transnational collection of good teaching practices & specific tips for food system sustainability teaching has been collected. A few on-line lectures are inspired by the TEFSI trainings and therefore are demonstrating the innovative teaching tools and concepts newly implemented and in action.

The goal of the e-lectures for university lecturers is to tell the meaning of the innovative activity/method (Best Practice) of its own university, to reveal what characterizes it, the required approach, the method and above all why it can become an element of strength in the teaching process.

Each partner prepared a 8-10 min on-line lecture on good teaching practices, their importance, and specific tips for food system sustainability teaching in the area of their own experience related to the sustainability of food systems. The online lectures are including the teacher views, as well as the student views on the experience.

Through watching the on-line lectures, the viewers should get instructions and a guide for the implementation of the content to their own work and class activities.

The UNISG team is in charge to coordinate this task.