

Bologna Declaration 10 years on
Promising and delivering quality in Life Science education across Europe

A French-Czech-Ukrainian experience:
Sustainable development at the heart of a new approach:
transversality and harmonization in the teaching of life sciences and
related disciplines

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on the abstract proposal by *Catherine Constant –*

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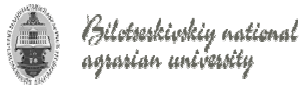
In order to build a European Higher Education Area, different national systems need to be placed within a common framework allowing student mobility and the delivering of harmonized diplomas.

But it is only worth doing this if work on contents is carried out, especially on major issues for the decades to come.



The experience of a Franco-Czech-Ukrainian consortium

- Tempus III project (2007-2009) entitled :



« The concept of sustainable development in the training of agricultural specialists »



- **3 countries, 4 associated Universities**
 - Bila Tsverkva National Agrarian University, Ukraine;
 - Kirovograd National Technical University, Ukraine;
 - AgroSup Dijon, France;
 - Czech University of Life Sciences, Prague



- **5 disciplines concerned**
 - Sociology
 - Economy
 - Agronomy
 - Ecology
 - Agricultural Machinery

The Three Spheres of Sustainability



Respecting the Bachelor-Master system, the introduction of a transversal approach (replacing sector approach), the only one suitable with the concept of sustainable development:

- *modification of the courses delivered to the students of the Ukrainian universities involved in order to allow “free thinking” and “breathing spaces” in the curriculum*
- *changing of the articulation of the disciplines in order to address the various skills and knowledge according to the new logic.*

Specific tools were needed and have been set up....

The new modules in the four faculties started in September 2009...



"On the Internet, nobody knows you're a dog."

Present your ideas: what is the future of the countryside



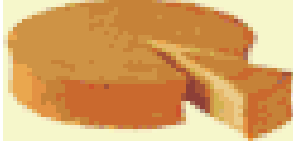


Thisse Mejeri

NAWARO



Het Groene Woud



bio-direct



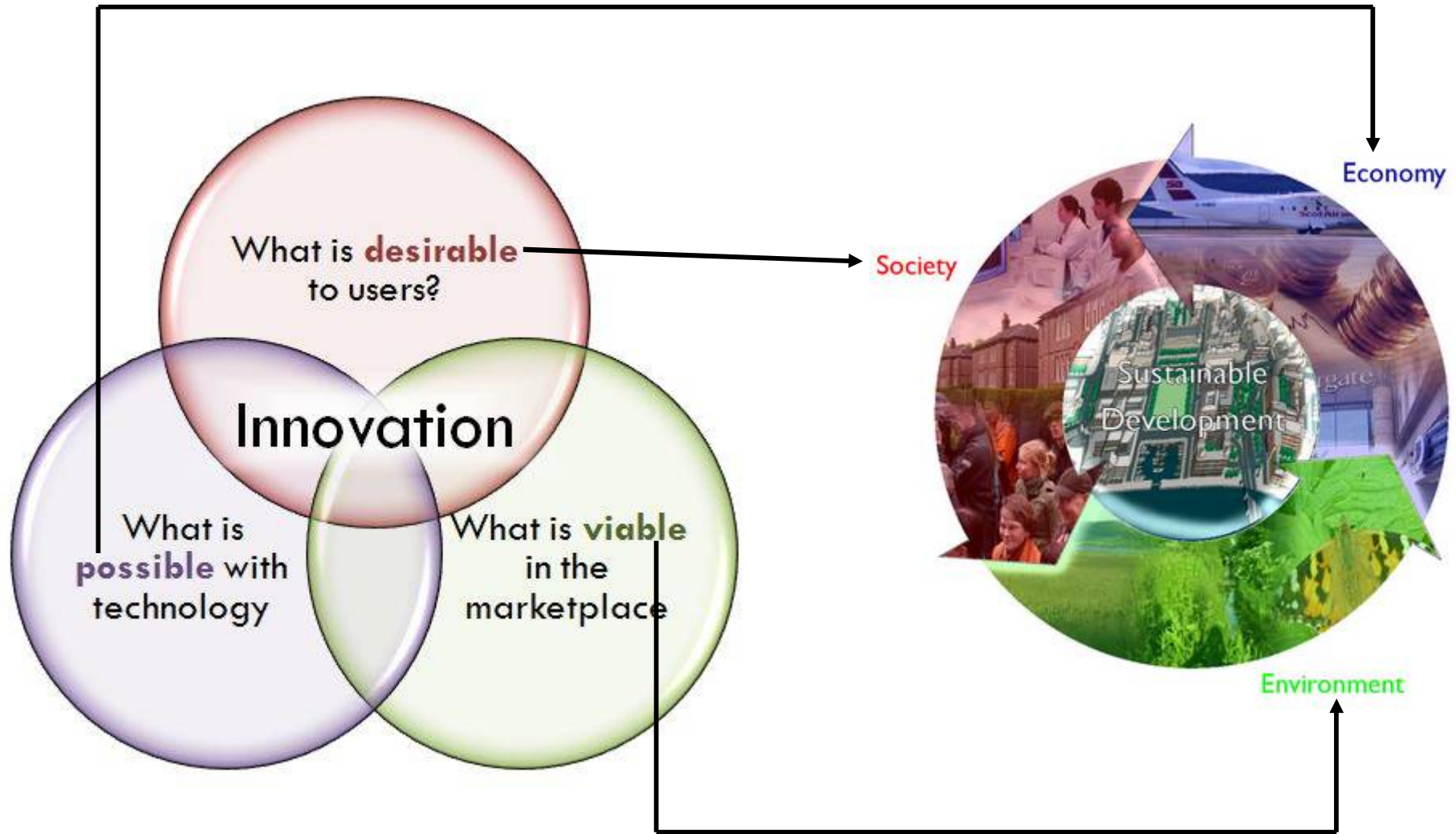
Mangio CarneBio



URLAUB AM BAUERNHOF



Innovations and sustainability



A manual on Sustainable Development

- *To acquire general knowledge on SD*

transversal and international approaches

- *To acquire basic knowledge on SD in each discipline*

theoretical and practical approaches

- *To take a step back*

- **Illustrations et invitation for debate**

Target groups of the manual

- **Students of the two Ukrainian universities involved and more...**
- **Professors and researchers interested in SD...**
- **Rural and agricultural specialists, associations, professional organizations ...**

« Introduction to Sustainable Development of Rural Areas »

Contents and Authors

General coordination: Y Sencébé (FR)

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Czech Coordination : M Lošťák M (CZ)

Translation: L Stépura (UA)



Part 1 - Introduction to sustainable development: history, size and approaches

Chapter 1 - History, actors and dimensions of sustainable development – Y Sencébé (FR)

Chapter 2 - Sustainable development, another approach to development - J -P Boiron (FR), B Risoud (FR), Y Sencébé (FR)

Chapter 3 - The sustainable development of Ukrainian agriculture – O Varchenko (UA)

Part 2 - Interdisciplinary approaches to the sustainable development of rural areas

Chapter 1 - Social Sciences - J-P Boiron (FR), M Lošťák (CZ), O Varchenko (UA)

Chapter 2 - Agronomy - L. Kozak (UA), J. Kren (CZ), L Thiebaut (FR), G Trouche (FR)

Chapter 3 - Ecology – T Dyman (UA), I Landa (CZ), B Nicolardot (FR)

Chapter 4 - Agricultural Machinery – D Herak (CZ), J-P Lemiere (FR), V Solomon (UA)

Основи сталого розвитку аграрного сектора

Основи сталого розвитку аграрного сектора



Досвід та знання Франції,
Чеської республіки, України



TEMPUS III

This manual is a perfectly representative tool of progress that the Bologna process can initiate.

The challenge now, especially in Ukraine is to develop Chairs specialized on the issue of sustainable development within universities, to help researchers to progress in the understanding of the paradigm and to find the necessary solutions for their country.



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