ISEKI_Food Projects: role and activity in Food Studies of scientists and technologists

Paola Pittia
Coordinator WP2- Dissemination activities ISEKI_Food 3
Faculty of Agriculture, University of Teramo-Italy

LLP Academic Network: 142822-LLP-1-2008-1-PT-ERASMUS-ENW
Project coordinator: Cristina L. Silva, ESB, Universidad Catolica Portuguesa, Porto -PT

15 April 2011, Parma, Italy

Objectives for the development of a network of Universities in the Food area

Academic studies in Food Science and Engineering are strongly multidisciplinary: chemistry, biochemistry, physics, microbiology, process engineering and technology, management, logistics, market studies, informatics...

That gives a full justification to organize a network of universities dealing with Food Studies, with different specialities, but all working for the same aims: education and research for the benefit of consumers through food industry.

.....

Our role and duty as researchers and teachers is to develop mutual knowledge, exchange of ideas, at a European and International level to be able to participate in the development of all countries, locally and everywhere, to give right answers to an international changing market.

Objectives for the development of a network of Universities in the Food area

From "History of the Food network before ISEKI_Food", E. Dumoulin, 2011,
www.iseki-food.eu/

The “frame” for the development of a network of Universities in the Food area: the Bologna process

The Bologna process is the product of a series of meetings aimed to the creation of the European Higher Education Area by making academic degree standards and quality assurance standards more comparable and compatible throughout Europe, in particular under the Lisbon Recognition Convention, in order to:
- Enhance the employability and mobility of citizens
- Increase the international competitiveness of European higher education.

After 2009
- Education, Research & innovation
- International Openness
- Mobility
Initial Objective

Contribute to the realization of the European Higher Education Area (EHEA) in the Field of **Food Studies**

http://www.iseki-food.eu/

The history of the ISEKI_Food projects....
The internationalisation of the ISEKI network

<table>
<thead>
<tr>
<th>Period</th>
<th>Partners/Countries</th>
</tr>
</thead>
<tbody>
<tr>
<td>1998 – 2001</td>
<td>37 partners/24 countries</td>
</tr>
<tr>
<td>(2008 – 2011)</td>
<td>97 partners/30 countries</td>
</tr>
</tbody>
</table>

Main objectives of the ISEKI_Mundus projects:

• To foster the internationalization and enhance the quality of the European Higher Education Food Studies

• To promote good communication and understanding between European countries and the rest of the world

• To extent worldwide the work undergoing through the **ERASMUS Thematic Network ISEKI_Food**
Main objectives of the ISEKI_Food projects

- **INDUSTRY**
- **RESEARCH**
- **EDUCATION & TEACHING**
- **WIDER COMMUNITY**

Objectives & activities of the ISEKI_Food projects

- **Tuning of food studies** and implementation of the ECTS system and Diploma Supplement
- **Recognition of FS&T degrees** at European level

- Database of curricula on FS&T in Europe
- Database on teaching material
- “Minimum competences in Food Studies”
Objectives & activities of the ISEKI_Food projects

- **Quality Assurance** of Food Studies
  - Documents and Reports
  - Database on Quality Assurance procedures of Food Studies in EU
  - European Quality Assurance System for Food Study Programmes (EQAS_Food)

- **Facilitating, promoting, fostering Lifelong Learning in Higher Education: Employability Aligned Curricula and Accreditation of Prior Experimental Learning (APEL)** of food studies at European level
  - Questionnaires and Final report for APEL
  - PhD
Objectives & activities of the ISEKI_Food projects

- To promote synergies between research in Food Science and Engineering with Education/Teaching

TEACHING MATERIALS
- Books
- E-learning courses
- Databases on pilot plants and laboratory equipment
- Webinars

The SPRINGER ISEKI_Food Series

- Food Safety
- Biotechnology
- Nutrition
- Food Processing
- Novel technologies in food science - Novel food products, functional foods and nutraceuticals
- Applied Statistics for Food and Biotechnology

+ “Trilogy on Traditional Foods” 3 volumes under development within the ongoing projects
Objectives & activities of the ISEKI_Food projects

E-learning courses
CANNING
- Basic Morphology
- Methodology of Pressure Measuring
- Microorganisms of Different Food Stages
- Food Products

FOOD PACKAGING
- Importance of Food Packaging
- Properties of Food Packaging Materials
- Food Packaging for Different Food Stages
- Food Packaging for Specific Foods

Webinars and webconferencing

Database on pilot plants and laboratory equipment
(http://test.usalg.pt/adea/iseki/index.php)
Objectives & activities of the ISEKI_Food projects

**PICAM Food** (Platform for International Cooperation and Mobility in the field of Food): web based tool that provides 4 searchable public databases
- Mobility institutions
- Mobility programmes
- Students hosting places
- Food experts

[Image of PICAM Food platform]

https://www.iseki-food.net/picam

---

Objectives & activities of the ISEKI_Food projects

- Enhance the knowledge on food of the general public and consumers
- Improve the attractiveness of food topics

[Image of the Food Game]
Objectives & activities of the ISEKI_Food projects

The “Food Game”

www.food4us.eu/
**Objectives & activities of the ISEKI_Food projects**

**TRACK_FAST (FP7, KBBE 227220) (www.trackfast.eu/**)

*Training Requirements And Careers for Knowledge-based Food Science and Technology in Europe*

**Main objective:** Identification of the training and career requirements of future European Food Scientists and Technologists (FST), and implementation of a European strategy to recruit the next generation FST leaders.
27 Partners, 16 EU countries
www.trackfast.eu/

The ISEKI_Food Conference Series
www.isekiconferences.com

To promote:
- Constructive dialogue and collaboration on relevant topics on:
  Food Science and Technology Industry and Education

- International “open” forum for:
  Students, Researchers, Education scientists, Technologists, Representative of government agencies, Industry representatives and trainers, Food consumers and Wider community

- And to discuss and compare quality assessment and accreditation practices to:
  Interactions with industry and consumer associations
  Exchange experiences of innovative learning and teaching methodologies
  Disseminate results of the ISEKI_Food Network
The ISEKI_Food Conference series

www.isekiconferences.com/milan2011/

2° ISEKI_Food conference
31° August-2° September 2011
Milan (IT)

Session 1: New Skills for New Jobs.
Session 3: Food for Wellbeing: an International Perspective.

Two workshops:
“Quality Standards in Food Studies”
“Regulation of Food Professional in EU”

Abstract submission deadline: 30 April 2011

International Journal of Food Studies

www.iseki-food-ejournal.com/
The “sustainability” of the ISEKI network

ISEKI-Food Association

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

ISEKI-FOOD ASSOCIATION

ISEKI - Food Association is an independent European non-profit organisation, founded in 2005 under Austrian law as an outcome of 10 years of Thematic Network activities

Over 160 Individual and 18 company members from 45 countries

The ISEKI Food Association will be a leading network for all stakeholders in the food supply chain with regard to education, legislation, research and communication

President: Cristina L. Silva (PT)
Secretariat: Gerhard Schleining (AT)

https://www.iseki-food.net/
The ISEKI_Food Association (IFA)

Laura Piazza, COST Action FA001
S. Mannino, K. Kristbergson, G. Gutierrez
CL Silva, P. Pittia

The Italian partners of the ISEKI_Food projects

- UNIMI-DISTAM - University of Milan - Saverio Mannino (coordinator WP_7)
- UNIBO - University of Bologna - Marco Dalla Rosa (core group WP_7)
- UNISS - University of Sassari - Antonio Piga
- Bioagromed - University of Foggia - Matteo Del Nobile
- UNITE - University of Teramo - Paola Pittia (coordinator WP_2)
- DIAL – University of Udine - Lanfranco Conte – Monica Anese
- UNIPARMA - University of Parma - Giuliano Ezio Sansebastiano
The future?


Submitted proposal
Coordination: UNITE, Italy

On behalf of the ISEKI_Food coordinator and partners, many thanks for the invitation and ..... 
..to you for the kind attention!
Innovazione di Processo: Miglioramento della Qualità e della Sicurezza Alimentare anche nei Prodotti Tradizionali? – Convegno SISTAL-SIMTREA, 15 April 2011

Contacts:
Iseki.secretariat@esb.ucp.pt
clsilva@esb.ucp.pt

www.iseki-food.eu/
www.iseki-food.net/
www.trackfast.eu/
www.isekiconferences.com/milan2011/