



University of Montenegro  
Biotechnical faculty  
FP7-REGPOT-2010-5-AgriSciMont



***Seminar “EU funding for Research and Innovation in the  
Outermost Regions”***

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# **FOSTERING A SCIENCE-BASED DEVELOPMENT OF A SUSTAINABLE MONTENEGRIN AGRICULTURE**

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## CONTENT

- Some data on Montenegro and its agriculture
- Biotechnical Faculty and its role in development of Montenegrin agriculture
- FP7 REGPOT 2010-5 AgriSciMont project
- Food Cluster initiative

**FOOD-CLUSTER INITIATIVE**



## Montenegro

- **Location:** South-Eastern Europe (West Balkan);
- **Area** – 13,812 km<sup>2</sup>,
- **Total population** – 650,000
- **Popul. density** – 47 inhab./km<sup>2</sup>
- **Adriatic Sea coastline:** 293.5 km
- **Climate:** Mediterranean, Continental and mountain
- **Capital** – Podgorica;
- Divided into 21 municipalities;
- **Official language** – Montenegrin;
- **Government** – parliamentary republic;
- **Currency:** EUR;
- **GDP per capita (2008):** 4,908 €



## Montenegrin agriculture – the main characteristics

- **Land resources:**
  - 517.337 ha of total agricultural land, or **0.82 ha per capita**
  - 190.000 ha of arable land, or **0.30 ha per capita**
- **Agriculture is very diversified** – from olive and citrus growing in the coastal strip, vegetables and vine growing in the central to the extensive livestock breeding in the northern part;
- **Economic importance** – high share in GDP (primary agric. 8%), together with processing industry - around 20%,
- Agriculture is **labor intensive**, plays a role of a social buffer – as the main source of income or a part of income for more than 60,000 of rural households,
- **Low level of use of chemicals** – good opportunity for environmental friendly ways of production





## RESEARCH & DEVELOPMENT IN THE AGRICULTURE AND FOOD SECTOR

### Structure – the public institutions involved:

- Biotechnical faculty Podgorica ([www.bti.ac.me](http://www.bti.ac.me))
- Institute for marine biology Kotor ([www.ibmk.org](http://www.ibmk.org))
- Veterinary diagnostic laboratory ([www.vet.uprava.gov.me](http://www.vet.uprava.gov.me))
- Centre for ecotoxicologic research of Montenegro ([www.ceti.me](http://www.ceti.me))
- Institute for public health ([www.ijz.me](http://www.ijz.me))

These institutions are supported by the Ministry of education and science and the Ministry of agriculture





## BIOTECHNICAL FACULTY (BTF) PODGORICA

**BTF** has the longest research tradition (70 years) in the country, 170 employees in total, **33 researchers with PhD**

### Main activities:

1. **Research** (major areas in the agriculture): Soil science, Field crops and vegetables, Vine growing, Sub-tropical and Continental fruits, Plant protection, Animal husbandry, Veterinary, Agro-economy, Forestry;
2. **Education (started 6 years ago)** – academic and postgraduate studies
  - a. Plant production division
  - b. Livestock production division
3. **Services**
  - a) *Extension service*
  - b) *Laboratories:* Milk Lab; Phytosanitary Lab; Agrochemistry Lab; Oenology Lab; Pomology Labs, Olive oil lab; Seed testing Lab, Forestry lab and Feeds control lab (in establishing).





## BIOTECHNICAL FACULTY PODGORICA

- Openness of the Montenegrin society and its economy has had positive impact on the BTF activities: the young researchers used to go more and more abroad to acquire new knowledge and experience;
- BTF is more and more involved into the international projects: European Research Area (SEE-ERA.net, TEMPUS), SEEDNET, and in many bilateral projects (Greece, Italy, Sweden, Germany, Slovenia etc.);
- **The Framework programs of EU:**
  - BF participated in the FP7 project: Enlargement Network for Agripolicy Analysis,
  - The REGPOT 2010-5: AgriSciMont is by far the biggest BTF's project so far, even the biggest FP7 project in the country!



## FOSTERING A SCIENCE-BASED DEVELOPMENT OF A SUSTAINABLE MONTENEGRIN AGRICULTURE

### THE PROJECT IDENTIFICATION

- Project full title:  
**FOSTERING A SCIENCE-BASED DEVELOPMENT OF A SUSTAINABLE MONTENEGRIN AGRICULTURE**
- Project acronym: **AgriSciMont**
- Funding scheme: **Coordination and support action (Support)**
- Grant agreement no.: **256718**
- Amount: **1,112,797 €**
- Project duration: **36 months; 1. June 2010 - 31. May 2013**
- Project coordinator : **Dr Milan Marković**
- Project officer: **Dr Irmela Brach**
- Category: **Connecting Research Centres all over Europe (REGPOT)**

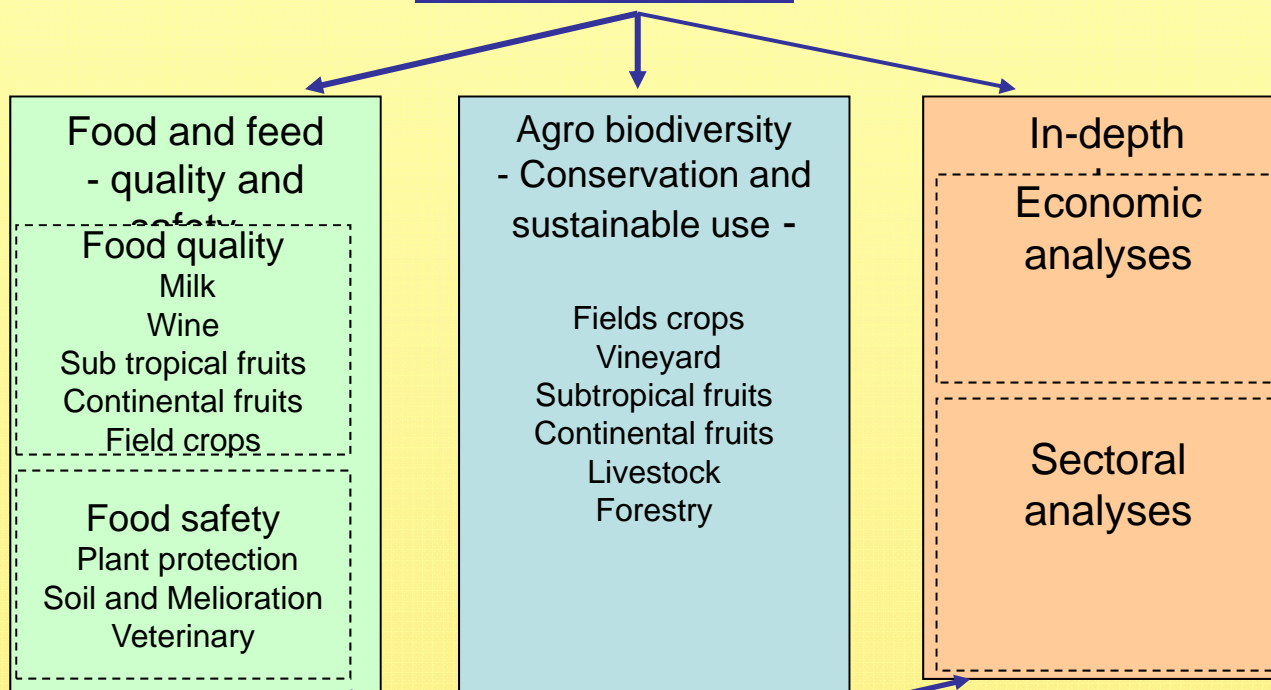




## AgriSciMont

Fostering a Science-based Development of a Sustainable Montenegrin Agriculture

### 3 research areas



In constant dialogue with end-users and decision-makers

Extension services



## SWOT OF BTF

### STRENGTHS

- ⇒ Unique position of BTF;
- ⇒ Provider of wide range of services;
- ⇒ Long scientific experience;
- ⇒ Large research team;
- ⇒ Good visibility on regional level;
- ⇒ Equipment (certain labs well equipped)

### WEAKNESSES

- ⇒ Lack of equipment for advanced research;
- ⇒ Human & scientific capacity (insufficient mobility);
- ⇒ Poor visibility on international level;
- ⇒ Unstable financing;
- ⇒ Weak international cooperation

### OPPORTUNITIES

- ⇒ Richness in natural resources and biodiversity;
- ⇒ Funding & cooperation opportunities (FP, ERA) etc.;
- ⇒ Rapid development and progress of scientific trends;
- ⇒ Crucial multidisciplinary approach;
- ⇒ High needs for integrated sustainable development

### THREATS

- ⇒ Non predictable frame for financing;
- ⇒ Slow improvement of SME toward innovation;
- ⇒ Competition;
- ⇒ Subsistence farming has no strong interest in research achievements;
- ⇒ EU integration failure



## **FOREIGN PARTNERS ON THE PROJECT**

- **Swedish Biodiversity Centre** - CBM from Sweden
- **University of Natural Resources and Applied Life Sciences**  
- BOKU Austria
- **University of Hohenheim** - UniH Germany
- **Wageningen University** - WUR Netherlands
- **Biotechnical Faculty, University of Ljubljana** – BFLJ  
Slovenia



## EXPECTED RESULTS

- More than 30 new pieces of equipment for 9 existing labs and for establishing of new one;
- Three experienced researchers hired;
- Five scientific and 8 support trainings;
- Subscription to 6 scientific magazines;
- Trainings of BTF researchers (24 visits to partner institutions and 14 trainings in BTF by partner institutions experts);
- Intensified extension services; 3 farmers' workshops;
- One international conference organized;
- Two workshops with international participation organized;
- Long-term RTD strategy;
- Participation into 3 international conferences;
- One open day at BTF organized;
- A web-site, 9 newsletters;
- Participation in the Food-Cluster initiative



## FOOD CLUSTER INITIATIVE – GREAT OPPORTUNITY FOR BIOTECHNICAL FACULTY

 EUROPEAN COMMISSION / European Research Area / 7th Framework Programme

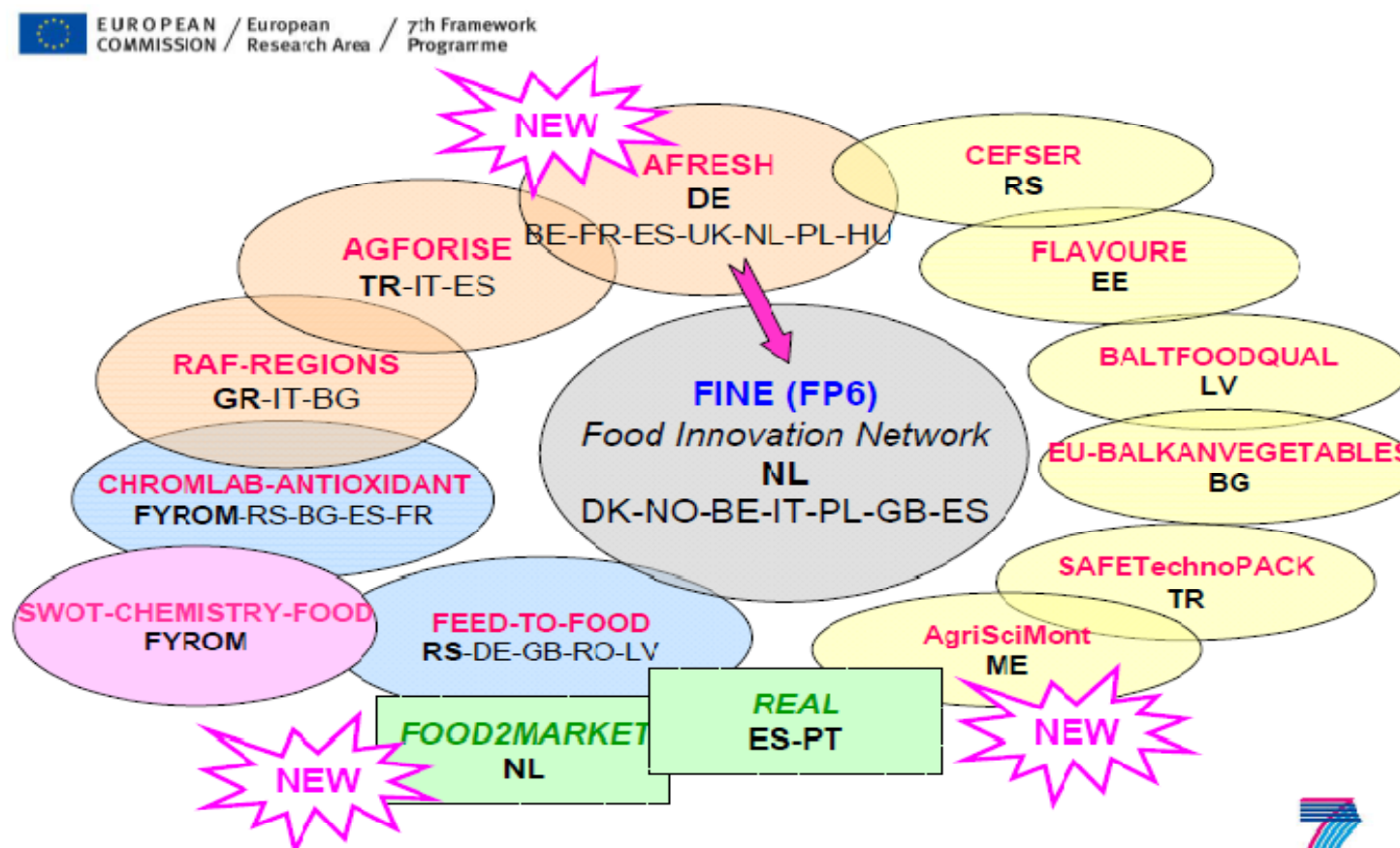
### FOOD-CLUSTER INITIATIVE

**A unique European** 'research-driven and capacity building cluster' of cooperating regions  
with the ambition  
to  
build the ERA in food,  
using regional, national and Community funding  
(FP7/SF/CIP)  
to define regional strategies and invest in combined  
regional efforts  
to  
strengthen excellence in the ERA.



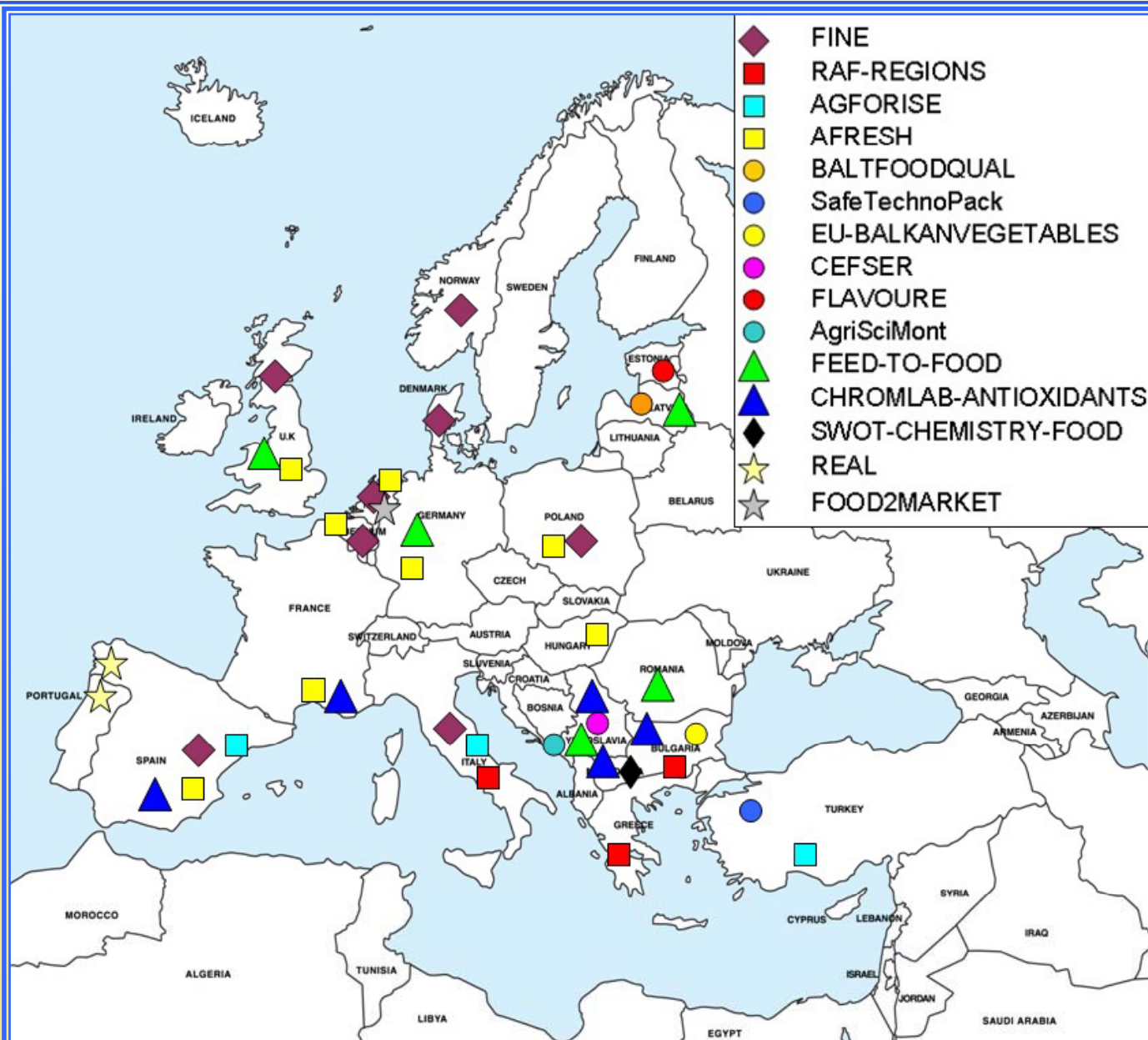


## BIOTECHNICAL FACULTY HAS ALREADY STARTED TO COLABORATE WITH FC PARTNERS!





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9/28/2010

15



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Thank you for attention