



Position of the CR in the EU Framework Programmes (Food, Agriculture, Biotech)

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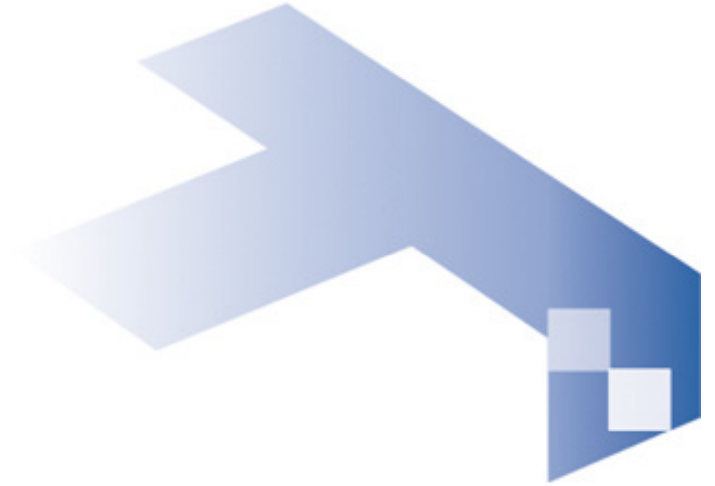
PRESENTATION



- Agro-food research infrastructure and resources in CR
- Participation in FP6 - TP Food Safety and Quality
- Participation in FP7- TP BIO (activity Food, health and well being)

- agro-food research administrated mainly by the Ministry of Agriculture (515M CZK (20 Meuro) in 2005, 841M CZK (32 Meuro) in 2008)
- other providers of public funding into agro-food research:
 - Ministry of Education, Youth and Sports
 - Ministry of Industry and Trade
 - Grant Agency of the CR
- 2007 - public funding of research targeted to agriculture:
1297M CZK (50 Meuro)
 - total share of public support to agricultural research is 7,3 % (engineering 25%, life sciences 13,3 %, social sciences 11,2 % etc.)
- 2006 - Number of researchers in agricultural sciences: 1474 (7%), engineering 11355; medical sciences: 2194....

INFRASTRUCTURE



- agricultural/food research in CR:
 - 9 universities
 - 22 research organisations (including several institutes of the Academy of Sciences)
 - involvement of industry in research activities rather low
- main thematic focus:
 - Plant resources, breeding and biotechnology
 - Animal resources and breeding, animal health and welfare
 - Food technology, food safety and quality, healthy nutrition
 - Organic agriculture
 - Alternative use of agricultural production

Participation of Czech teams in FP6 - TP Food quality and safety

- thematic priority Food Quality and Safety
43 CZ participations in 42 projects, 24 CZ organizations
involved

eligible cost of CZ participants: 5,594 mil. euro

EC contribution: 5,042 mil. euro

max. EC contribution to the CZ team: 463 000 euro

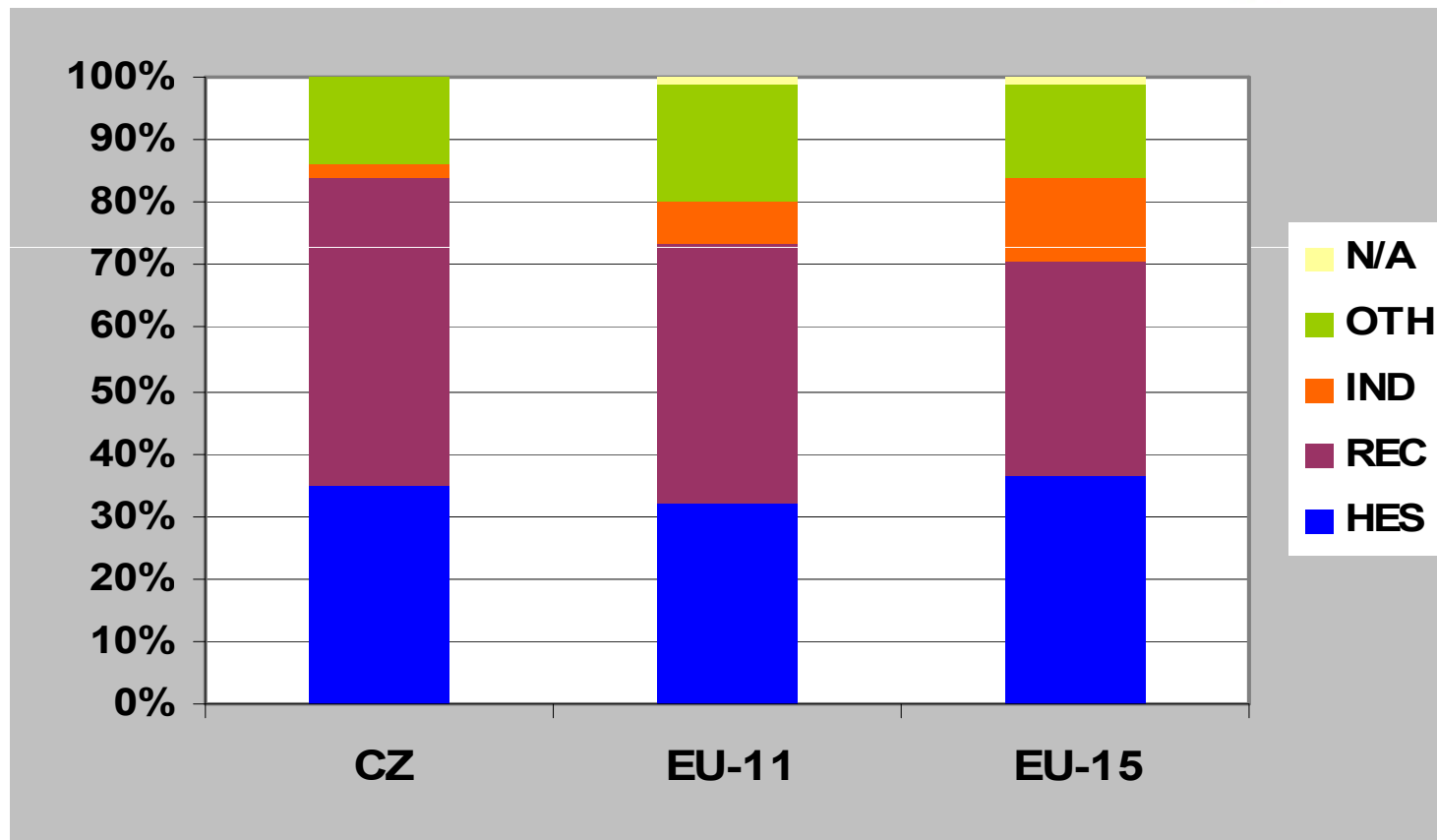
average EC contribution to CZ team: 117 000 euro

CZ institutions with highest intensity of participation:

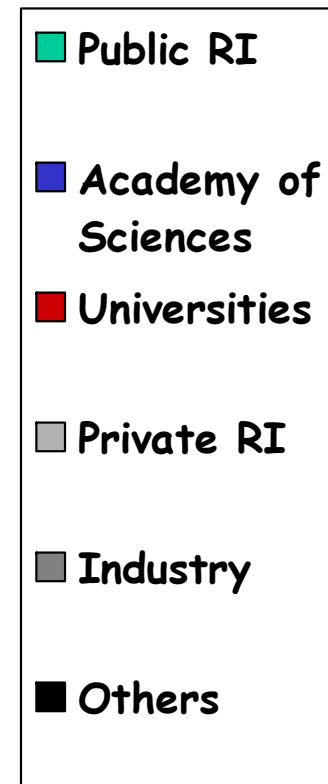
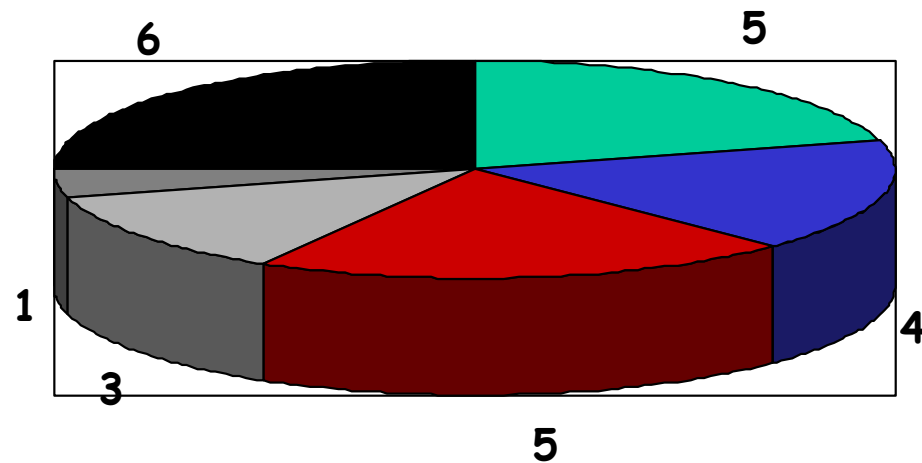
Veterinary Research Institute Brno (9 projects)

Institute of Chemical Technology Prague (7 projects)

Structure of participants in FP6-Food

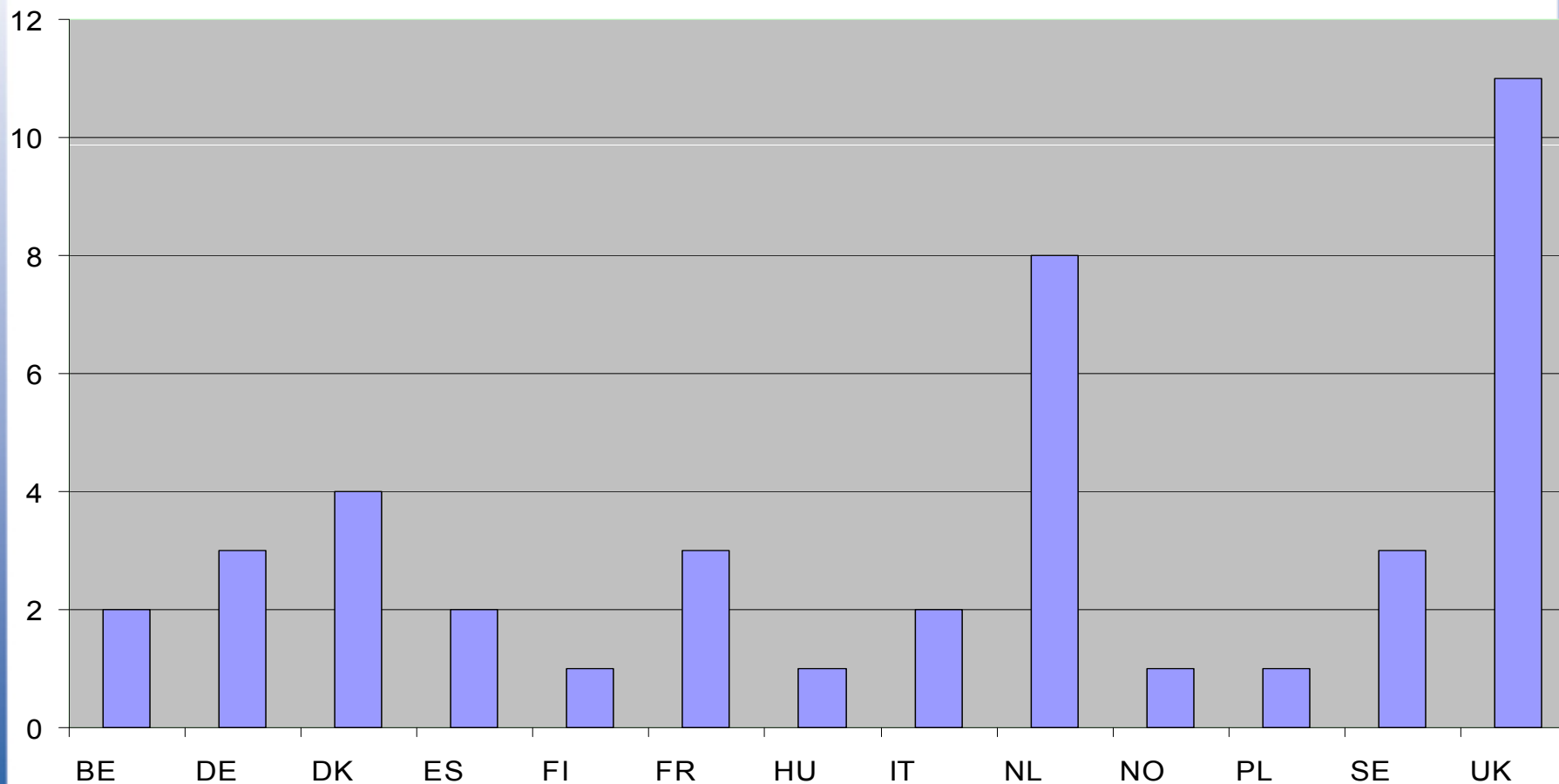


CZ institutions participating in FP6-Food



Coordinators of projects with CZ teams in FP6-TP Food

Coordinators of projects with CZ teams



Most frequent partners in FP6-TP Food projects with CZ teams

- Czech teams took the opportunity to cooperate with the foremost European institutions:
- Wageningen university (in 14 projects)
- INRA (14)
- Den Kongelige Veterinaer - OG Landbohøesjskole (11)
- Danmarks Foedevareforskning (10)
- TEAGASC - The National Food Centre (7)
- Institute of Food Research, UK (6)
- Universiteit Gent (6)
- National Inst. of Public Health and Environment, NL (6)

Achievements - examples

PathogenCombat, IP, EC contribution 11,3 Meuro
coordinated by the Royal Veterinary and Agricultural
University Copenhagen

CZ partner **Veterinary Research Institute Brno**

- control and prevention of emerging pathogens at cellular
and molecular level throughout the food chain

May 2009, CR, roundtable on bacterial triggers in the
etiology of Crohn's disease and other autoimmune and
autoinflammatory diseases

Achievements - examples

Trace, IP, EC contribution 12,2 Meur

coordinated by the Central Science Laboratory, York

CZ partner: **Institute of Chemical Technology Prague**

aim: to develop traceability methods and systems that will provide consumers with added confidence in the authenticity of European food

the ambient mass spectrometry with a unique DART ion source was implemented by the ICT - enabled the sample characteristics to be examined in real time

Participation of Czech teams in FP7 - TP BIO

- scope of the thematic programme extended (Biological resources from land, forest and aquatic environment, Food, health and well being, Life sciences, biotechnology and biochemistry)

- results from 1st call

FP7-KBBE-2007-1

main list: 14 CZ participants in 14 projects, requested EC contribution 2 Meuro

reserve: 16 CZ participants in 15 projects

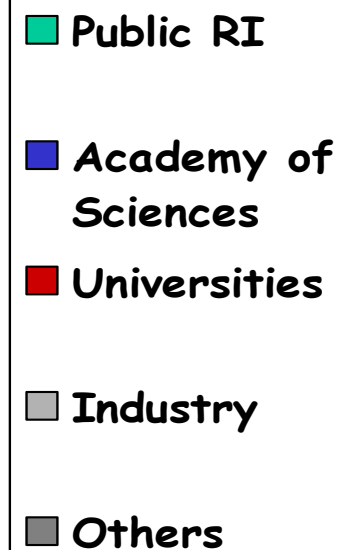
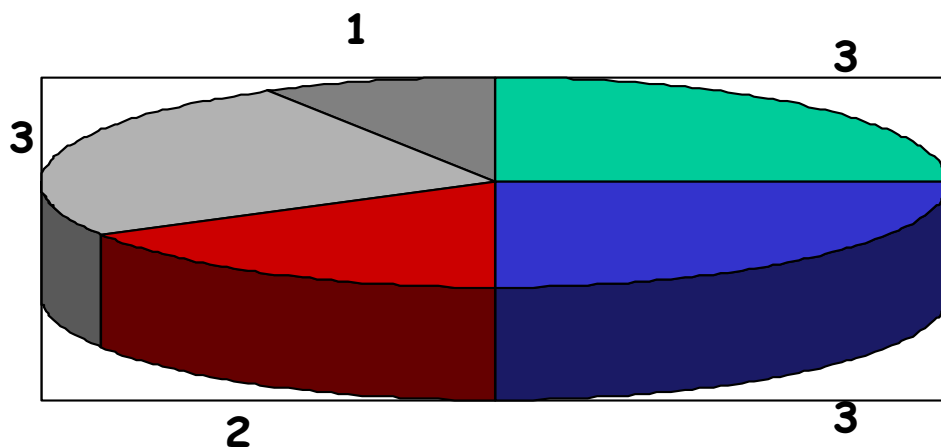
rejected: 27 CZ participants in 20 projects (4 CZ coordinators)

Success rate of a CZ participant : 26 %

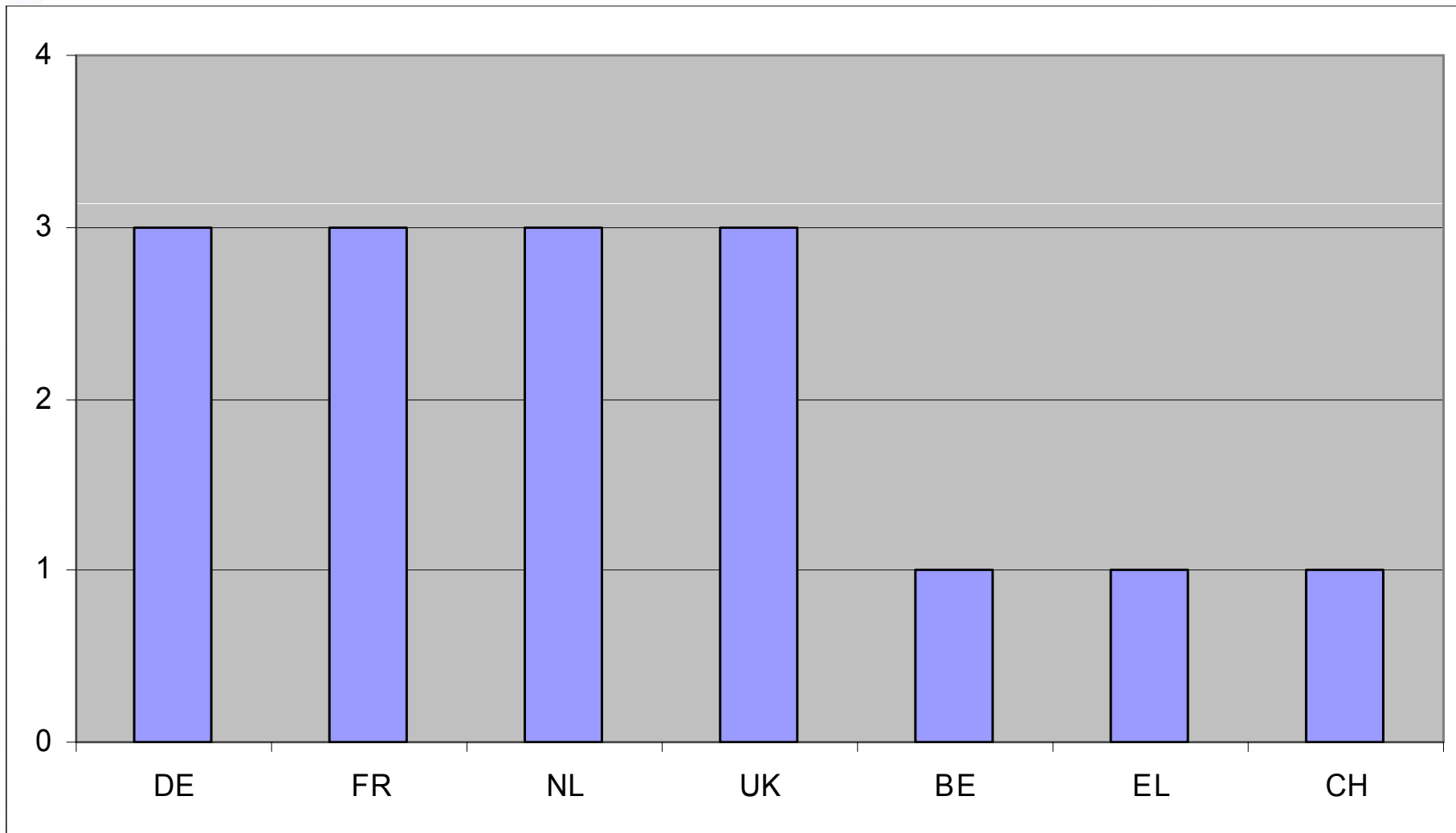
Participation of Czech teams in FP7 - TP BIO - Food, health, well being

- **Confidence:** developing rapid tests for chemical contaminants, launched 2008, 17 partners
Coordination: RIKILT- Inst. of Food Safety Wageningen
CZ partner: Institute of Chemical Technology Prague
- **LipiDiDiet:** Therapeutic and preventive impact of nutritional lipids on neuronal and cognitive performance in aging, Alzheimer's disease and vascular dementia
launched 2008, 12 partners
CZ partner: Institute of Physiology AS CR
- **CAFE:** smart control of food and feed technologies
launched 2008, 16 partners
Coordinator: Universite Catholique de Louvain
CZ partner: Povltavské mlékárny
- **VITAL:** monitoring and control of foodborne viruses
Coordination: UK
CZ partner: Veterinary Research Institute Brno

CZ institutions participating in FP7-BIO projects (1st call, funded)

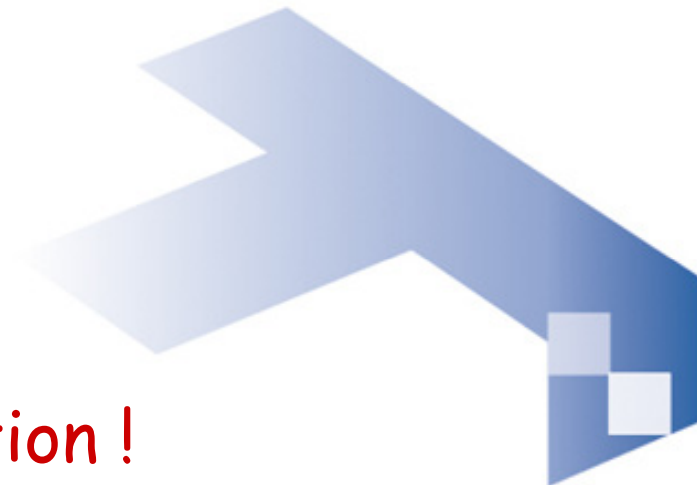


Coordinators of projects with CZ participants in 1st call TP BIO



Observations

- in FP, CZ teams collaborate with foremost European research institutions
- successful involvement of CZ teams based on experience and good results achieved in previous projects
- the most „intensive“ areas of collaboration in FP6: food analysis, animal health and food safety
- in FP7 - wider spectrum of research institutions involved (institutes of Academy of Sciences), involvement of industry
- more CZ coordinators - but not successful



Thank you for your attention !

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