

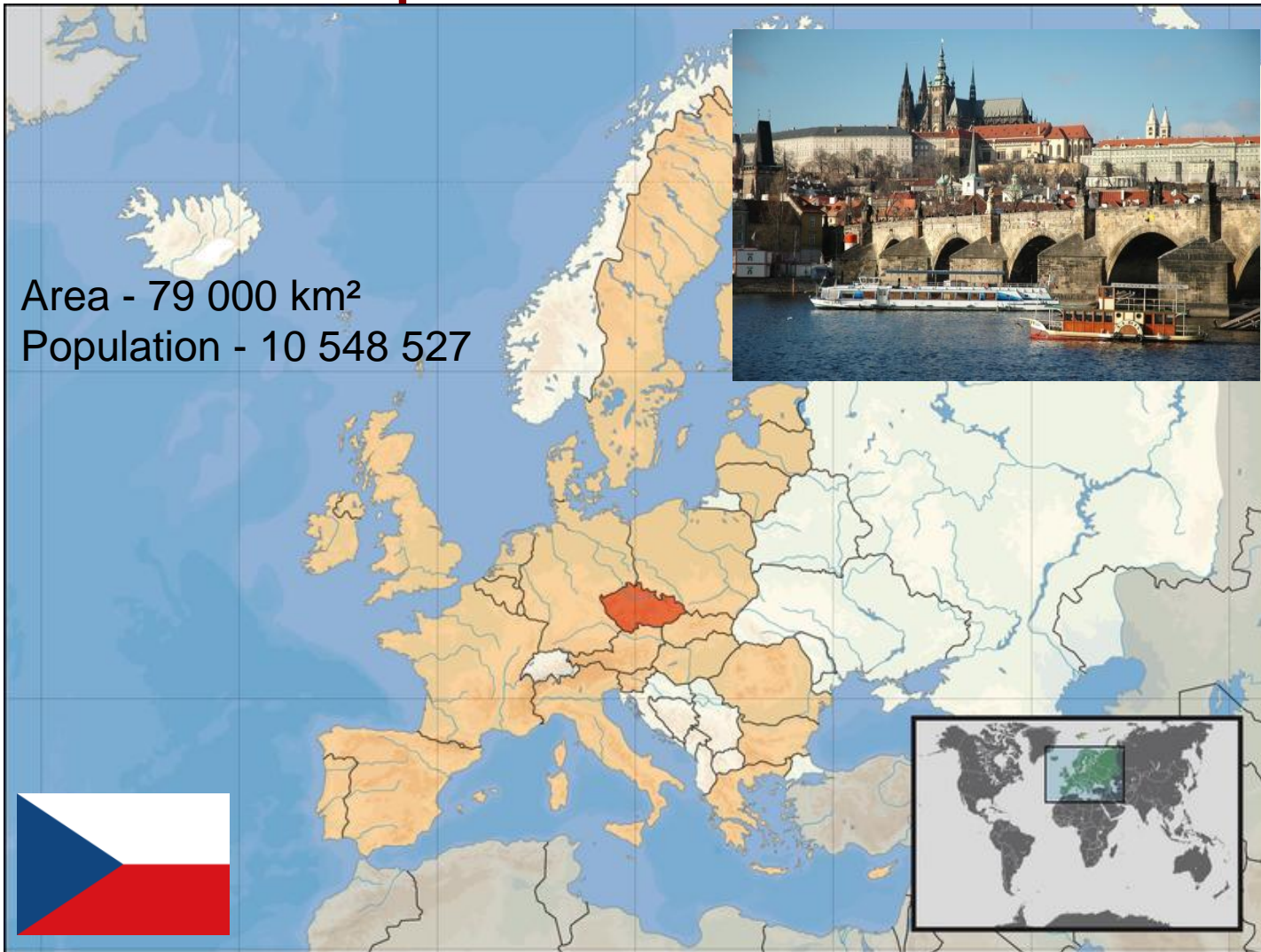


1st Scenario Building Workshop

Task 2.1 Scenario Building

Presenter/ date/ Place

Czech Republic



Area - 79 000 km²

Population - 10 548 527

Basic facts about biomedical research in the Czech Republic



- 8 medical faculties at 4 universities
- 11 teaching hospitals
- 69 hospitals
- Infrastructures for biomedical research
 - **BBMRI – Biobanking and biomolecular resources research infrastructure.**
 - BIOMEDREG
 - **BIOCEV**
 - **Euro-BioImaging – Centrum**
 - **CEITEC**



FP7 topics

CZ research potencial and capacities



- BIOTECHNOLOGY, GENERIC TOOLS AND MEDICAL TECHNOLOGIES FOR HUMAN HEALTH
- **Detection, diagnosis and monitoring**
- *Suitability, safety, efficacy of therapies*
- *Innovative therapeutic approaches and interventions*

- TRANSLATING RESEARCH FOR HUMAN HEALTH
- Large-scale data gathering
- Systems biology
- *Research on the brain and related diseases, human development and ageing*
- **Brain and brain-related diseases**
- **Human development and ageing**

- **Translational research in major infectious diseases: to confront major threats to public health**
- **Anti-microbial drug resistance**
- HIV/AIDS, malaria and tuberculosis
- Neglected infectious diseases
- **Translational research in other major diseases**
- **Cancer, Cardiovascular diseases, Diabetes and obesity, Rare diseases , Other chronic diseases**

- *Quality, efficiency and solidarity of healthcare systems including transitional health systems*
- *International public health & health systems*



Infrastructure for Thalassaemia Research



FP6-funded project, Research Infrastructures – Communication Networks Development: COORDINATION ACTION, 2007-2009

Aiming to strengthen a specific research community (thalassaemia, hereditary blood disease) with new tools for ICT-facilitated research

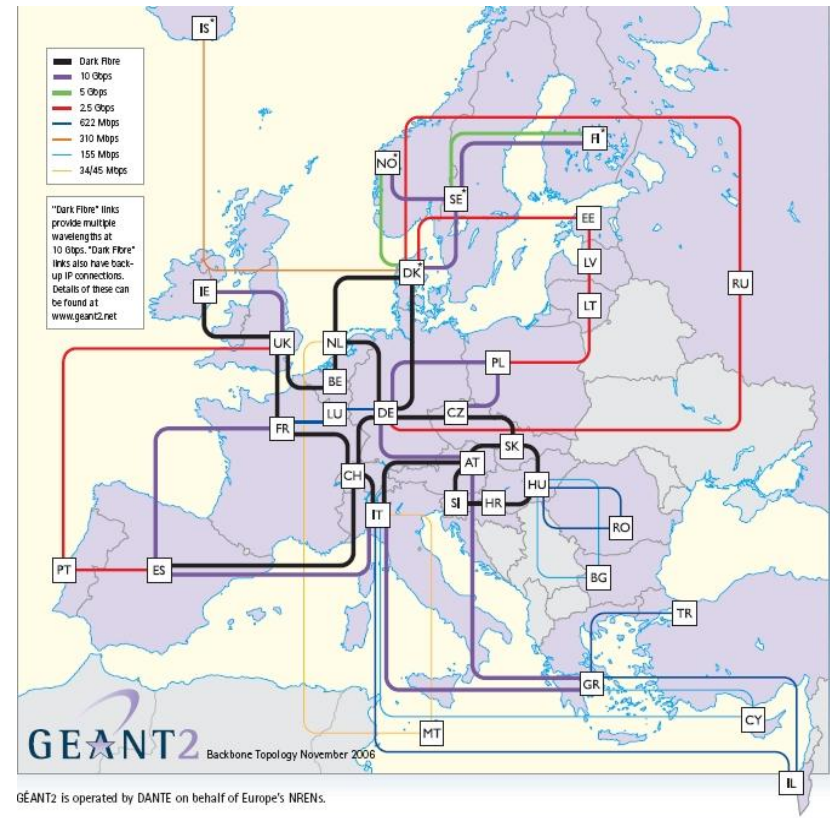
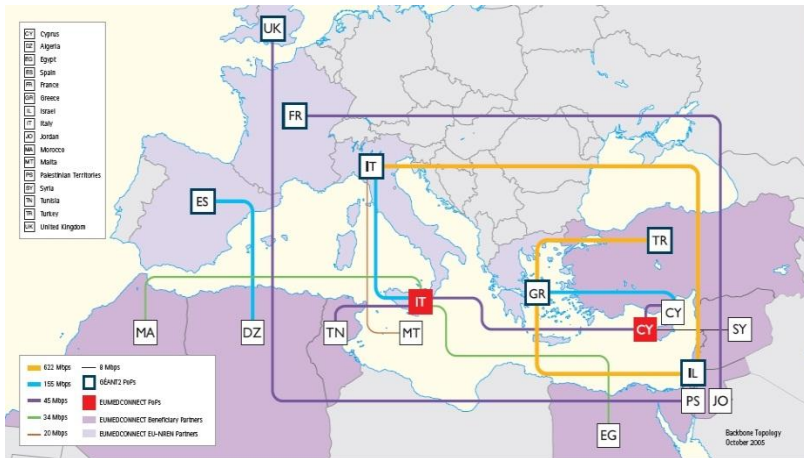
25 partners in 16 countries including CZ, coordinated from Cyprus

Collaboration between the genetic/clinical community and the community of research networks

Building on existing Research Network Infrastructures

Established a first version of the ITHANET community portal (www.ithanet.eu) as a tool for research and diagnosis in the field

Building on existing research networks: GEANT, EUMedConnect



New collaborations started within the thalassaemia community

Creation of the disease/community-specific web portal:
www.ithanet.eu, followed up to date by continuing development as a community portal and tool for research and diagnosis

Creation of a new database of thalassaemia mutations, curated and expanded to date

Facilitation of further multi-centric research in thalassaemia

Development of community-specific ICT tools for collaborative research in biomedicine

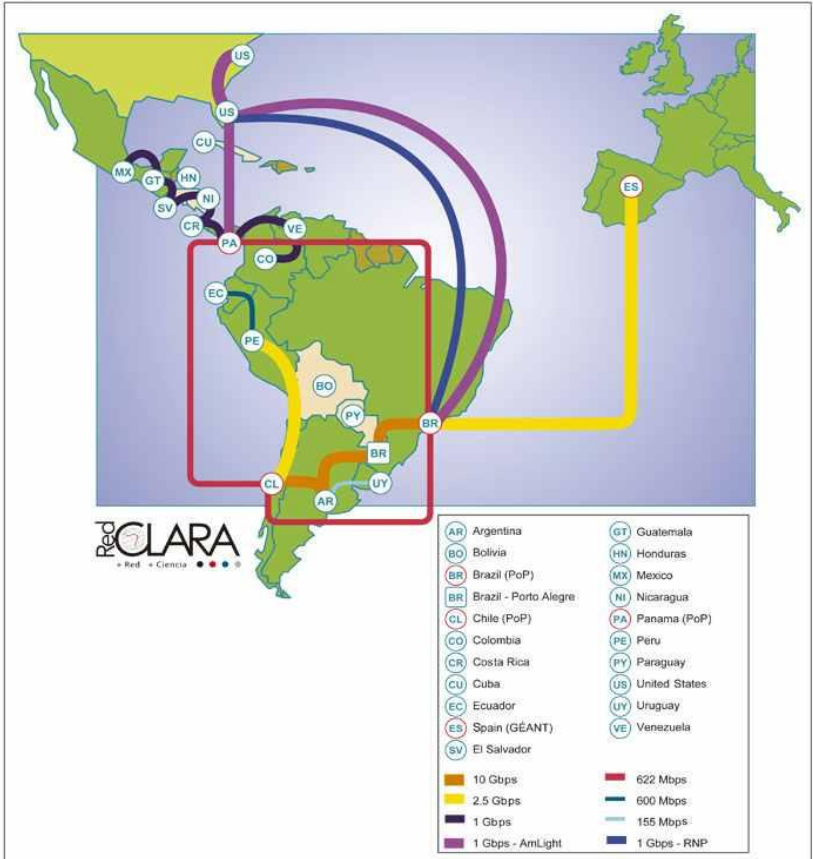
Research Network Infrastructure EU-LAC

Strong interconnection of RedCLARA to GEANT

An opportunity for ICT-enabled collaborative research (also) in biomedicine



RedCLARA Network Topology
April, 2012



This project is funded by the European Union



A project implemented by RedCLARA





FP7 Integrated Project in eHealth/mHealth, 2008-2012

Continuous monitoring of glycaemia and hypoglycaemia prediction in diabetic patients

Collaboration of 21 partners (industry, healthcare, academia) from 9 EU countries (coordinated from Madrid)

Computational model of glycaemia, food intake and physical activity implemented on a **mobile device** (smartphone)

Valuable information for both patient and doctor

Platform for continuous monitoring and patient-doctor communication (patient motivation, adherence to therapy etc.)

<http://www.metabo-eu.org/>

Take away message:



- Czech Republic as member of EU offers interesting topics for international collaboration in biomedical research
- Judita Kinkorová
- Technology Centre ASCR
- Praha
- Czech Republic
- E-mail: kinkorova@tc.cz

Partners



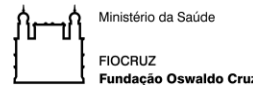
Dr. Carlos Segovia (Coordinator)
ISCIH, Instituto de Salud Carlos III, Spanish Ministry of Science and Innovation, Spain



Dr. Stephanie Splett-Rudolph
DLR, Project Management Agency of the German Federal Ministry of Education and Research, Germany



Dr. Luis Tacsan Chen
RIMAIS, Red Iberoamericana Ministerial de Aprendizaje e Investigación en Salud. Ministry of Health, Costa Rica



Dr. Paulo Buss
FIOCRUZ, Oswaldo Cruz Foundation, Brazil



Dr. Joaquin Guinea
INNOVATEC, Sociedad para el Fomento de la Innovación Tecnológica, Spain



Dr. Águeda Menvielle
MINCYT, Ministerio de Ciencia y Tecnología Argentina

The COHRED Group



Dr. Francisco Becerra
COHRED, Council on Health Research for Development, Switzerland



Dr. Diassina Di Maggio
APRE, Agenzia per la Promozione della Ricerca Italy

Supporting research and innovation systems for health, equity and development

