

ESF - Biobanks - 2008

Turning hospitals into biobanks

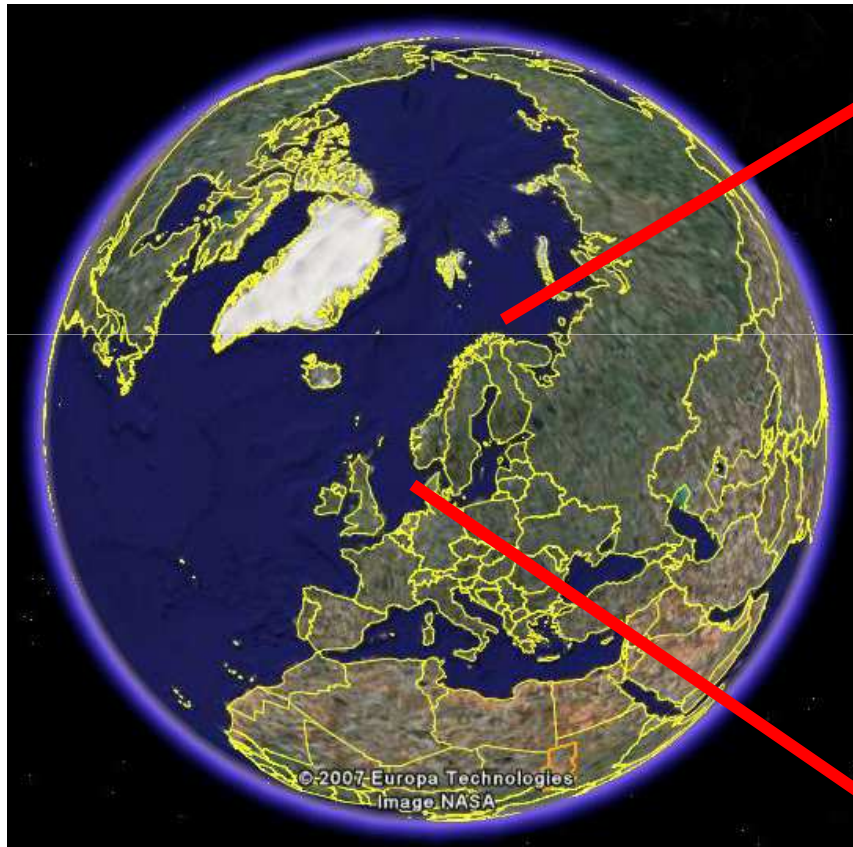
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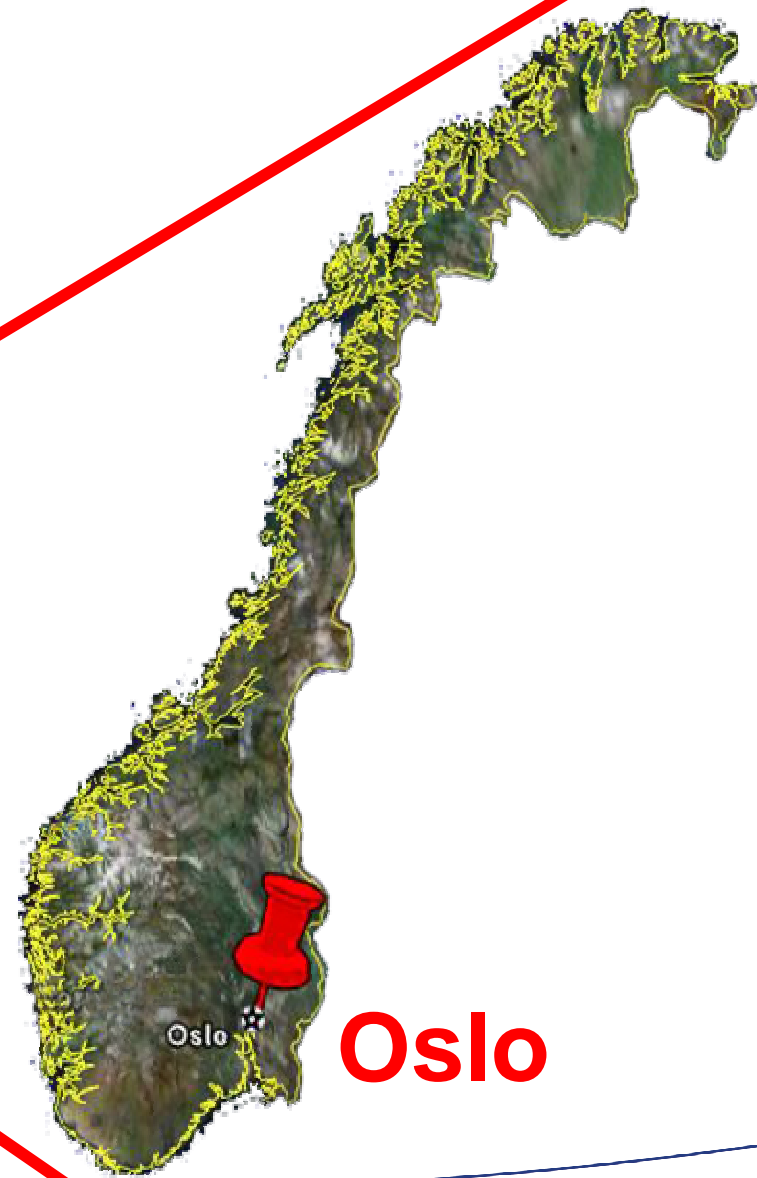
Sant Feliu de Guixos, Spain – November 2008



Norway



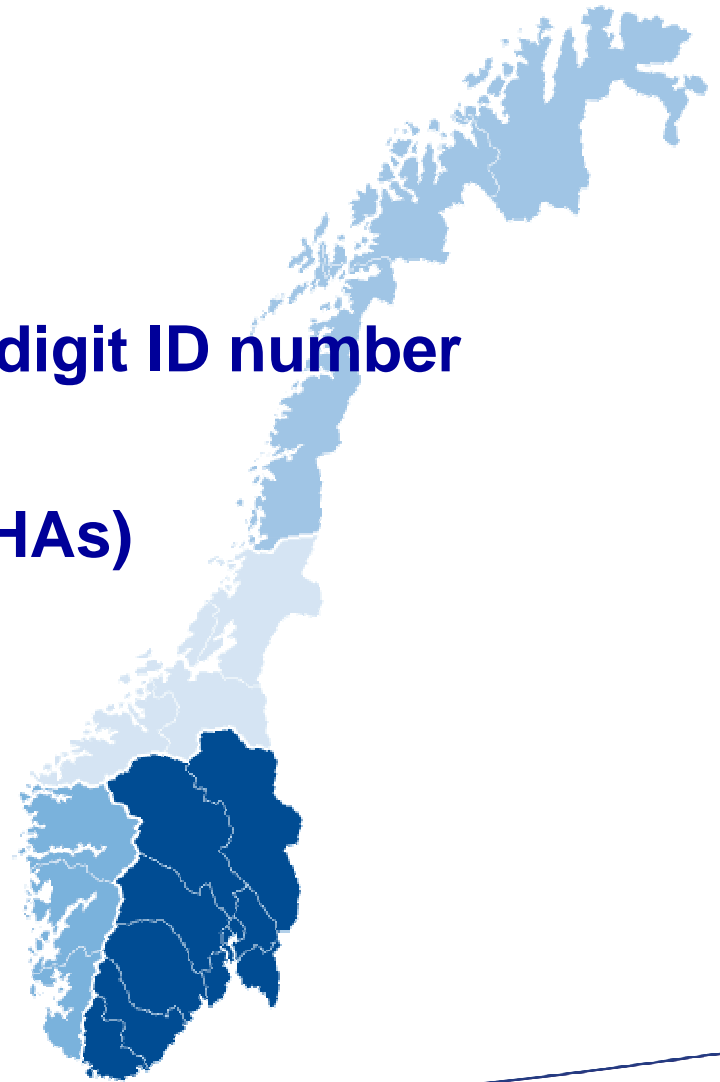
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Oslo

Norway - Basic Facts

- 4.7 million inhabitants
- All individuals have a unique 11-digit ID number
- Public health care system
- 4 Regional Health Authorities (RHAs) which owns the hospitals
- 8 university hospitals
- 4 schools of medicine



Biobanks in Norway

- **2003: Act relating to biobanks**
- **Three types of biobanks:**
 - *diagnostic (material)*
 - *treatment (material)*
 - *research (material or information derived from material)*
- **National Biobank Registry:**
 - *172 diagnostic and treatment biobanks (april 2008)*
 - *1498 research biobanks (april 2008)*

National Report on Biobanks

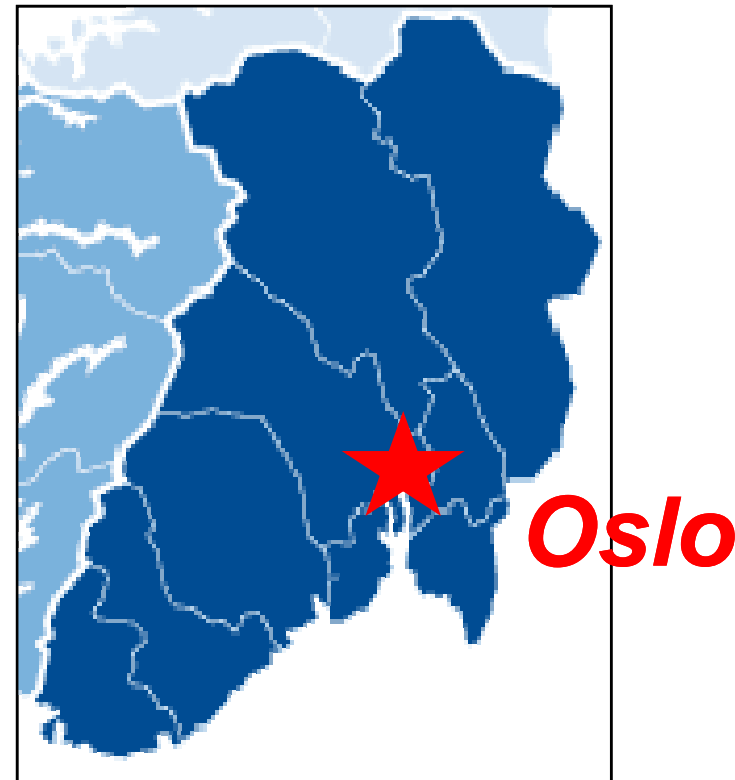


Recommendations (July 2008):

- **National Biobank Council**
- **Biobank infrastructure (ICT)**
 - *13 organizations*
 - *NOK 360 M over 4 years*
- **Regional Biobank Centres**
- **Research program to exploit the proposed infrastructure**

Biobanks at University Hospitals - 1

- **The South-Eastern Norway RHA has 2.6 million inhabitants and 20 hospitals**
- **Four University Hospitals:**
 - 22 000 man-years
 - 3 200 beds
 - annual budget of NOK 17 billion (USD 2,6 billion)
 - 88% of scientific output in the region (hospitals)



Biobanks at University Hospitals - 2

Early 2008:

The four university hospitals decided to set down a working group in order to;

... establish an overall strategy for biobank related activities at the four hospitals...

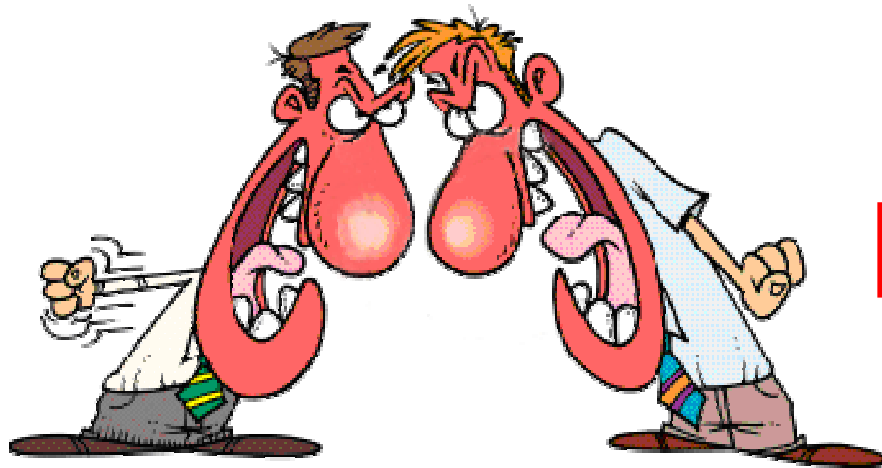
Biobanks at University Hospitals - 3

Weak history of cooperation, so...



Biobanks at University Hospitals - 4

However...



*...after a constructive dialogue
in an open atmosphere...*



Recommendations:

- **Tracking system for biological material**
- **Clinical data warehouse**
- **Honest broker-mechanism within every organization**
- **Electronic communication between organizations**

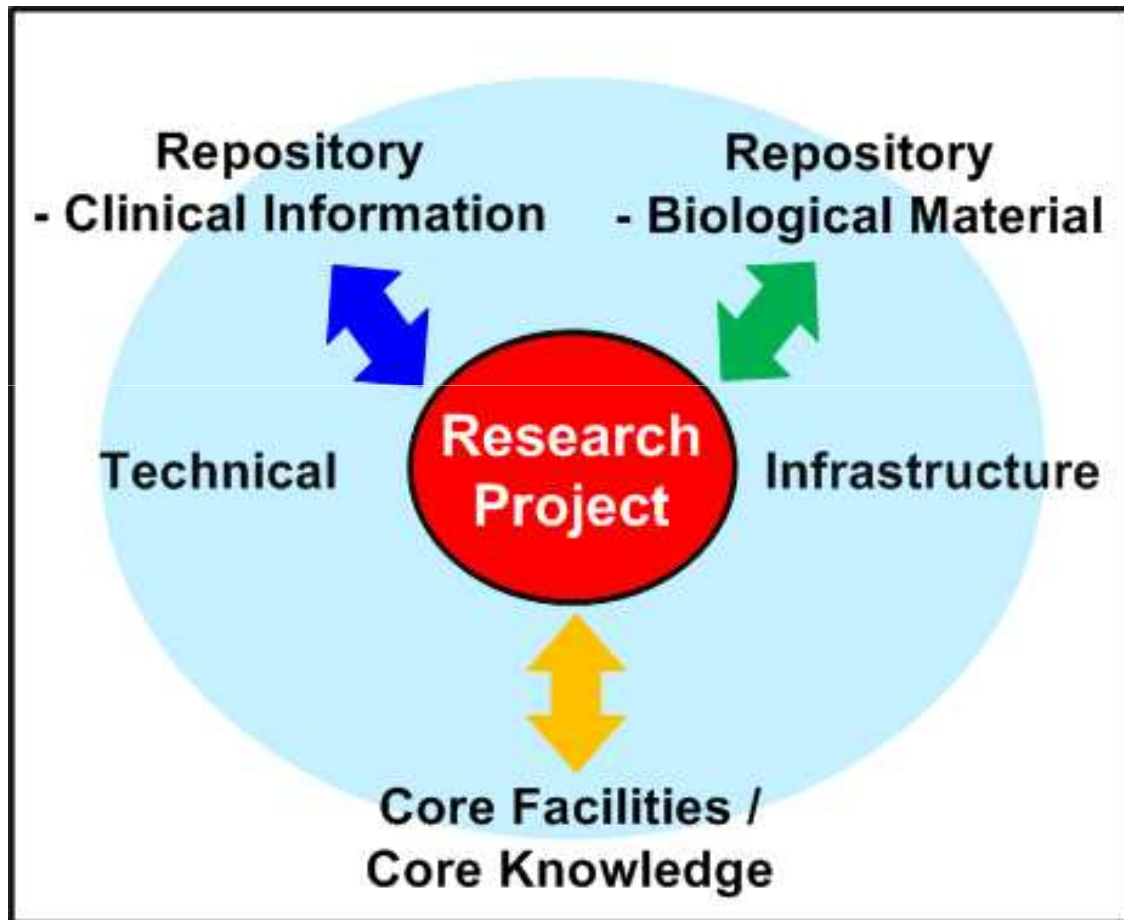
The Biobanker's Guide to the Galaxy...



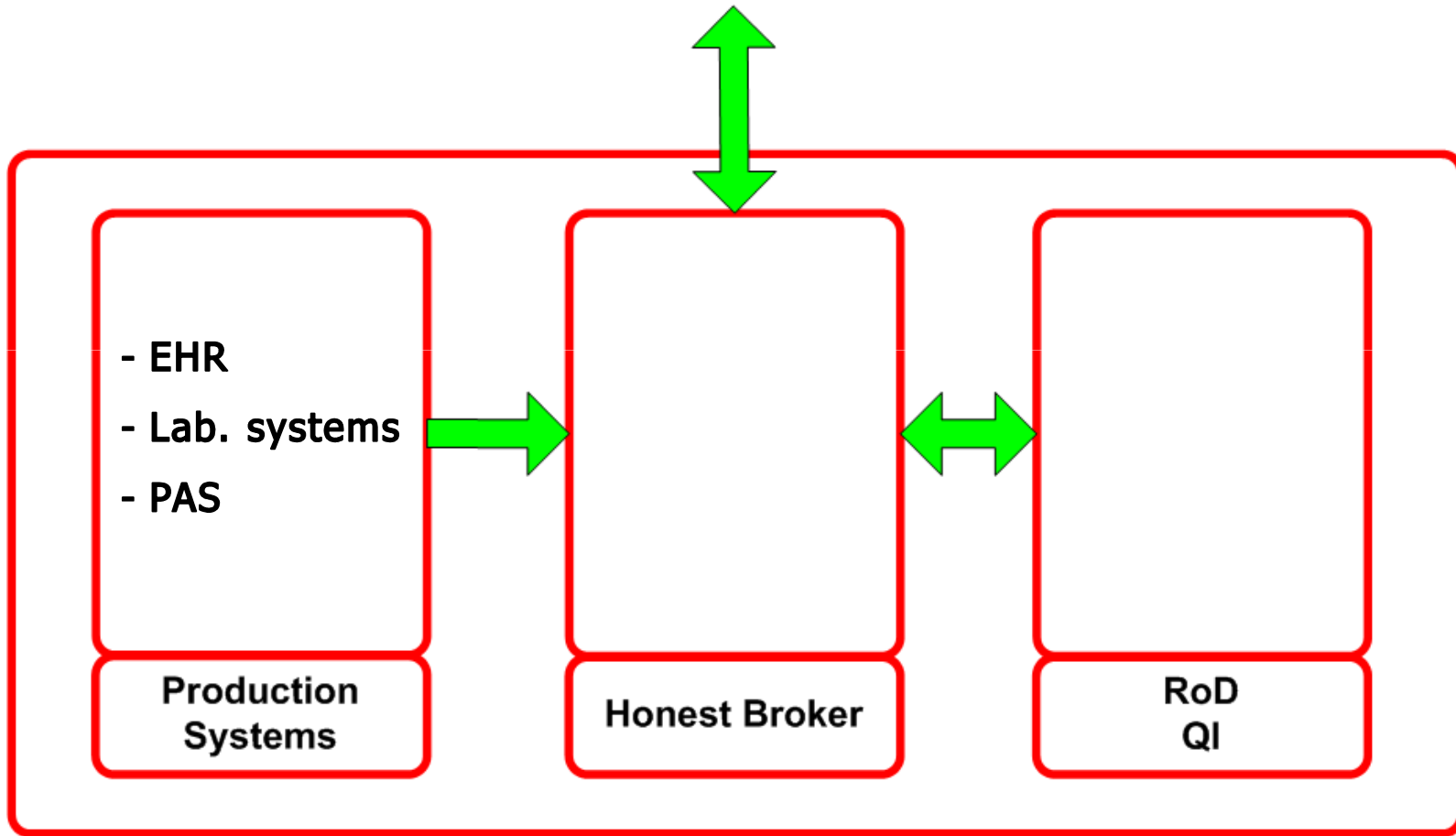
Statement

Infrastructure for clinical research and translational research at a hospital is (almost) identical to what is needed for ongoing patient treatment

Conceptual Model

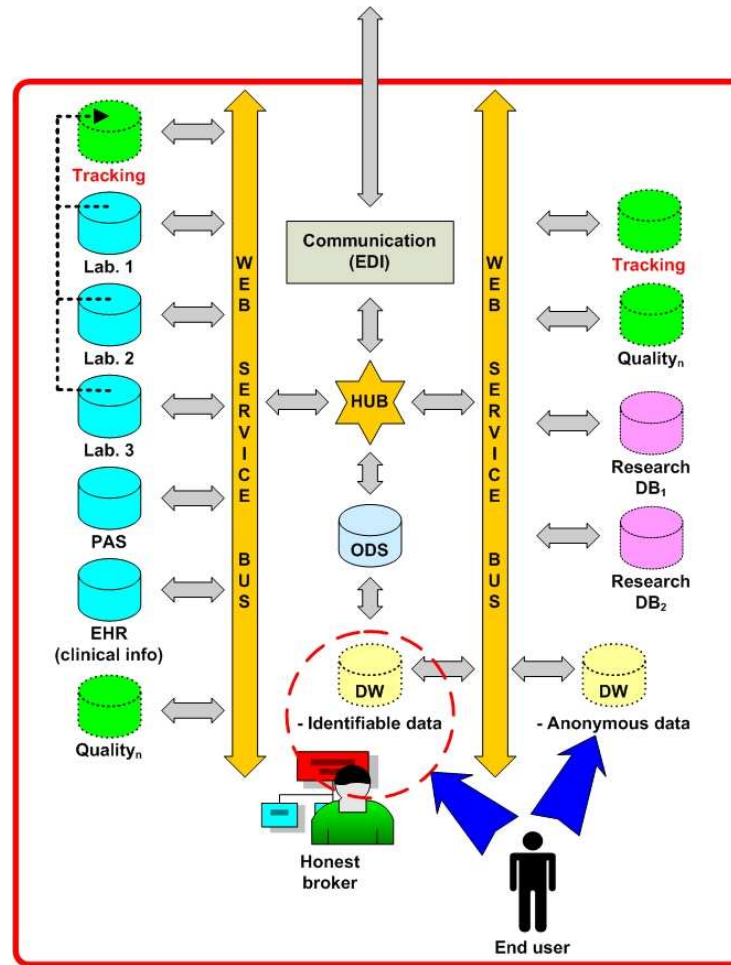


The Simple View...



The Complex View...

*mostly for
IT-architects...*



The Bright New Future

