

**4th Annual Brain Metastases Research
and
Emerging Therapy Conference**
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Session Biobanking and Biomarkers screening

Biobank network organisation
Best practices, benefits and pitfalls

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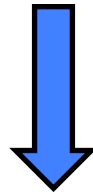
●●● The research needs are important

Access to biological resources

Proof of quality and security

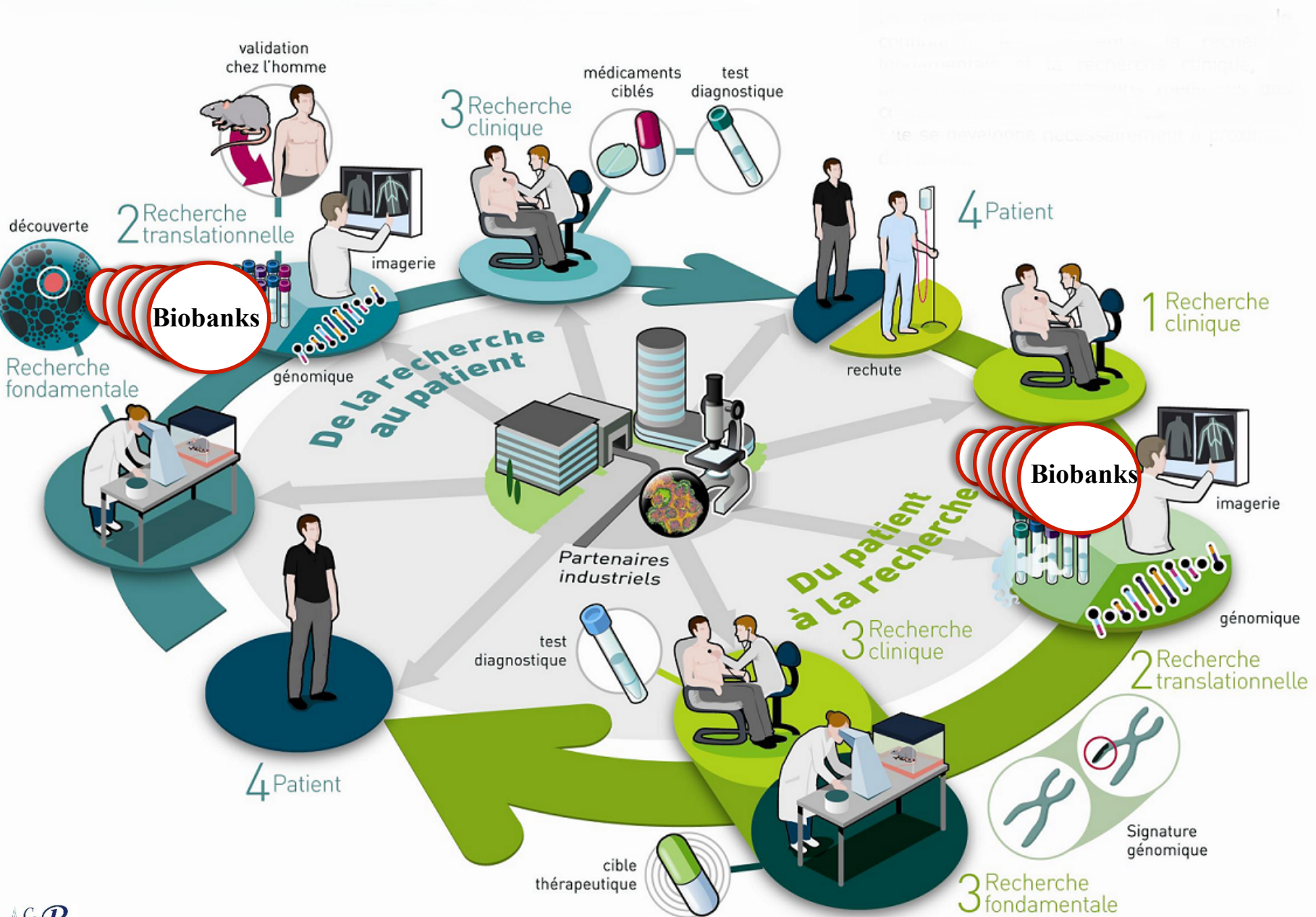
Take into account ethical questions

‘Professionalization’ of collections’ management



BIOBANKS

●●● The biobanks become a real research partner



Biological material

**Added value
for the data**

Quality controls

Quantity controls

**Added value
for the samples**

Sample

Results

Utilization

Supply

Sample

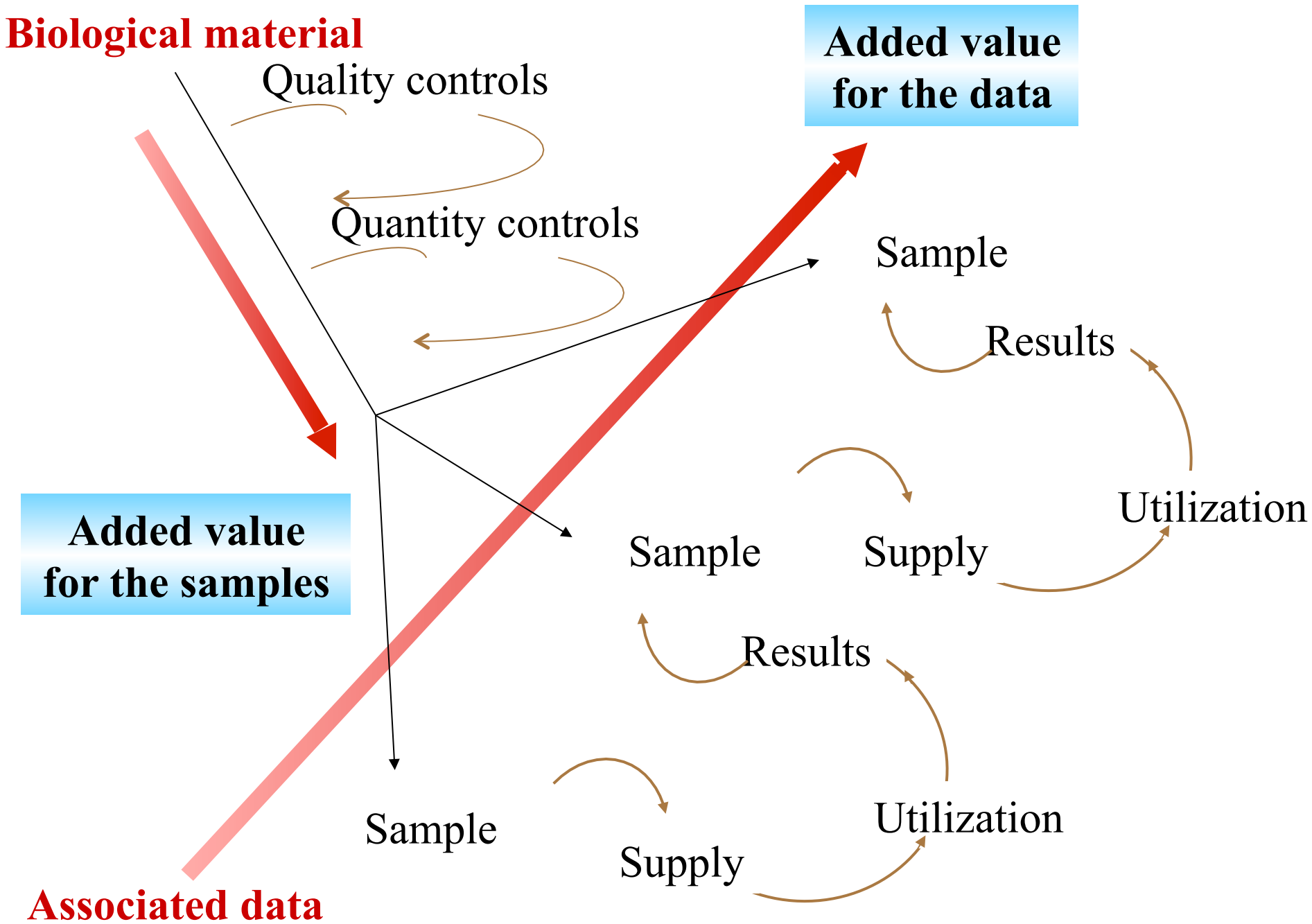
Results

Utilization

Supply

Sample

Associated data



●●●● **Biobanks responsibilities**

Management responsibilities

- Application of legislation, regulation and ethical principles
- Guaranty of the rights of stakeholders
- Application of the decisions (review board, researchers)
- Promotion of samples and data sharing
- Development of the secondary use of samples

Scientific responsibilities

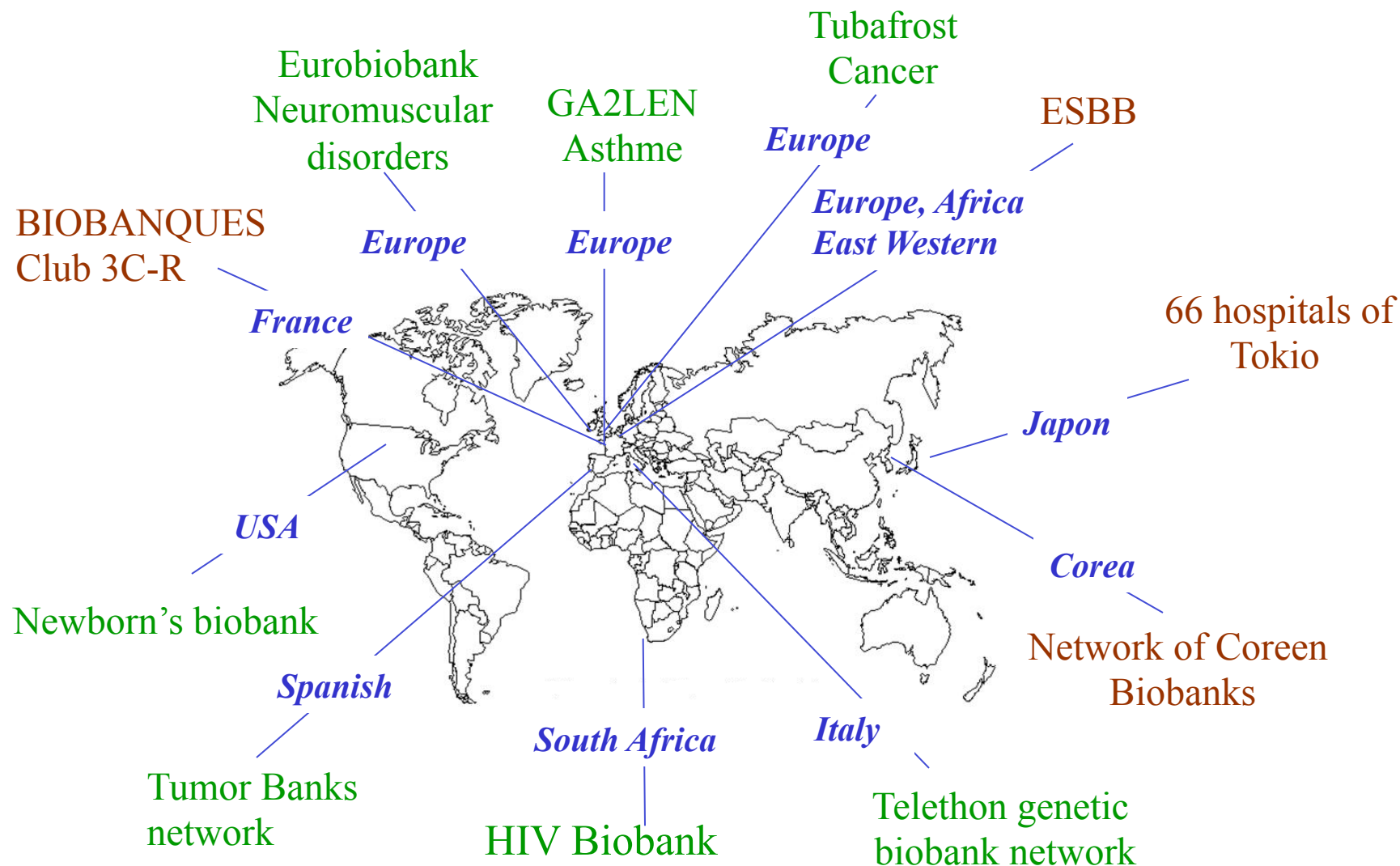
- Creation and development of collections
- Implementation of best practices, new SOPs or directives
- Supervision of quality control
- Harmonization
- Traceability

Logistic responsibilities

- High quality of premises and equipment,
- qualified staff
- Confidentiality
- Long term sustainability



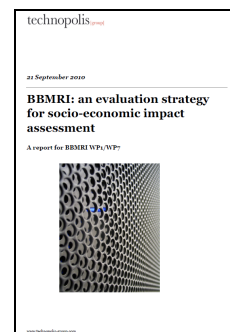
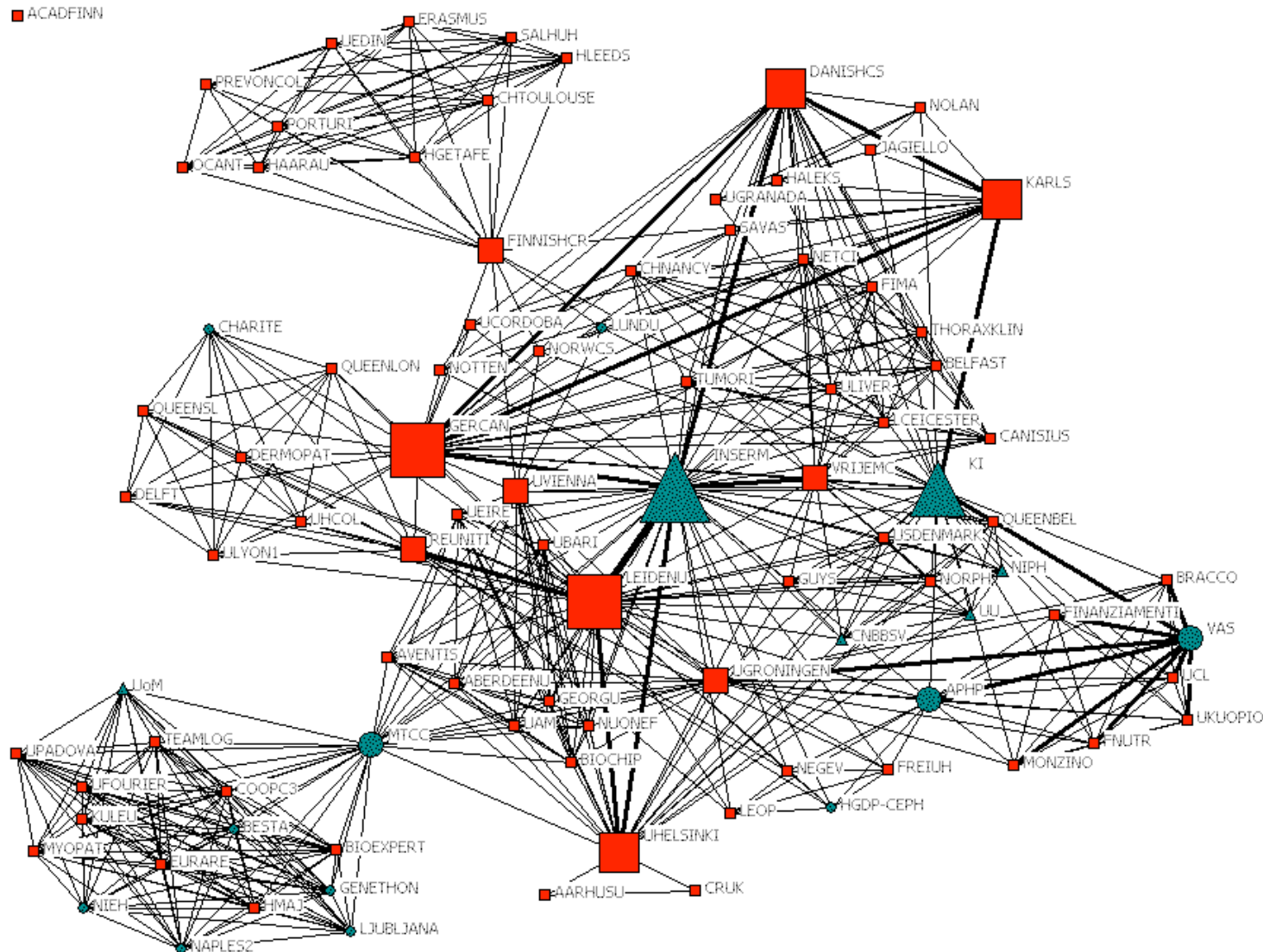
Examples of Biobank networks



Thematic network

Geographic network

Network analyse by BBMRI



BBMRI Report 2010, Septembre 21
(Socio economical impact of BRC)

●●● Birth of the concept

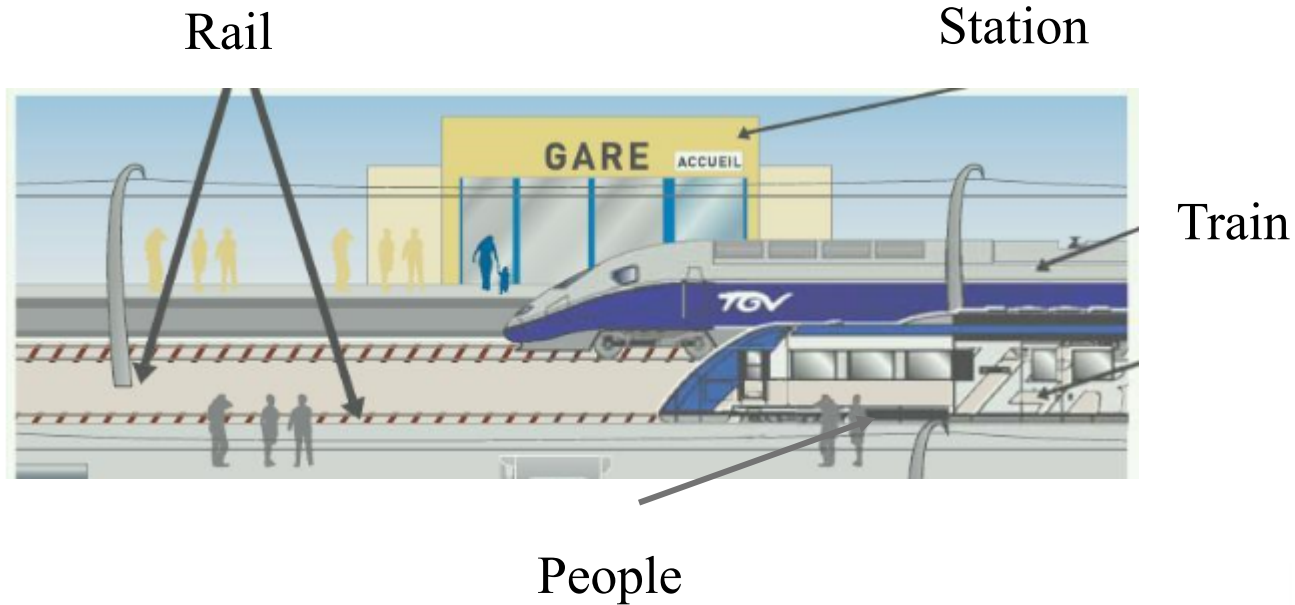


*Claude Henri de Rouvroy
Comte de Saint Simon
(1760-1825)*

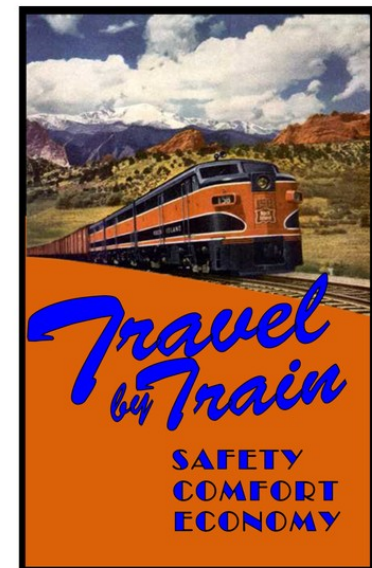
Set up an ideology for the organisation
based on **link** between technical **entities**
which create a **new technical object**

Network philosophy,
based on the metaphore of human science
(blood system, nervous system)

●●● The first technology application



Organisation of the French railway system



●●●● The concept of biobank network



to join biobanks
that are closely connected
to work together to reach a
common objective



Many members or entities
Specific organisation



Specific network
management



New tools

●●● The necessary questions



- Scope and the precise objectives ?
- Partners and their own responsibilities ?
- Rules ?
- Rights and duties ?

answers

- Governance
- Different categories of members
- Tools

●●●● Network governance

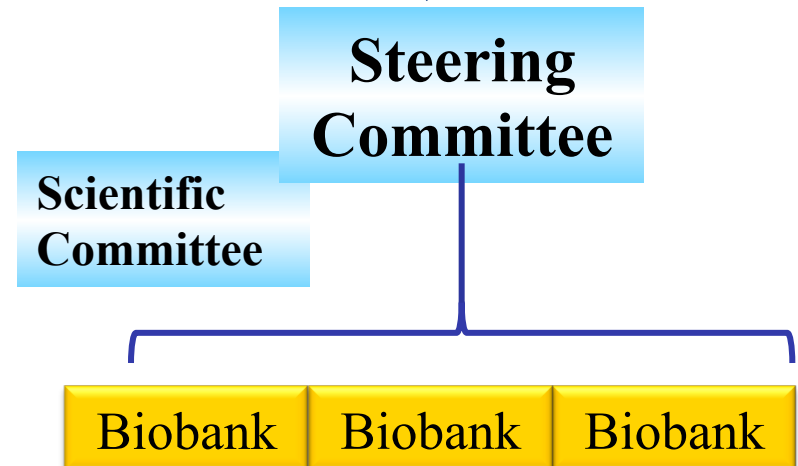
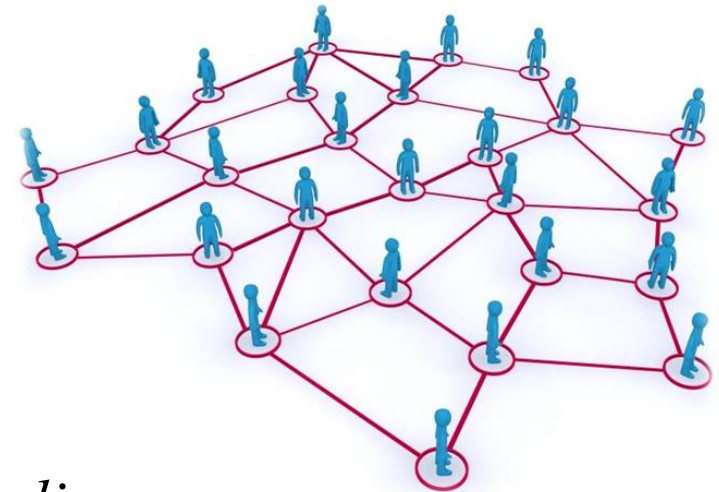
Matricial organisation



Leadership → *Strategic policy*



- 1- Without hierarchical relationship
- 2- Autoregulation process
- 3- Open and dynamic structure



...● Definition of the strategy

Before

- To define your specific objectives
- To set up a very useful organization
- To anticipate the possible problems

During

- Communicate for the best information
- Survey the results
- Correct the strategy if necessary

Not too little

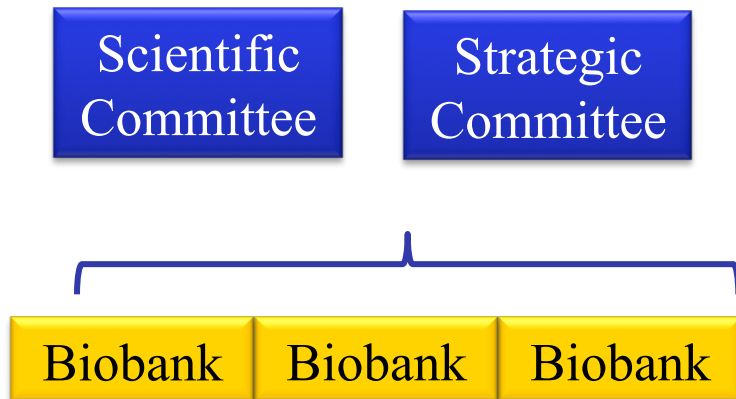


Not too much

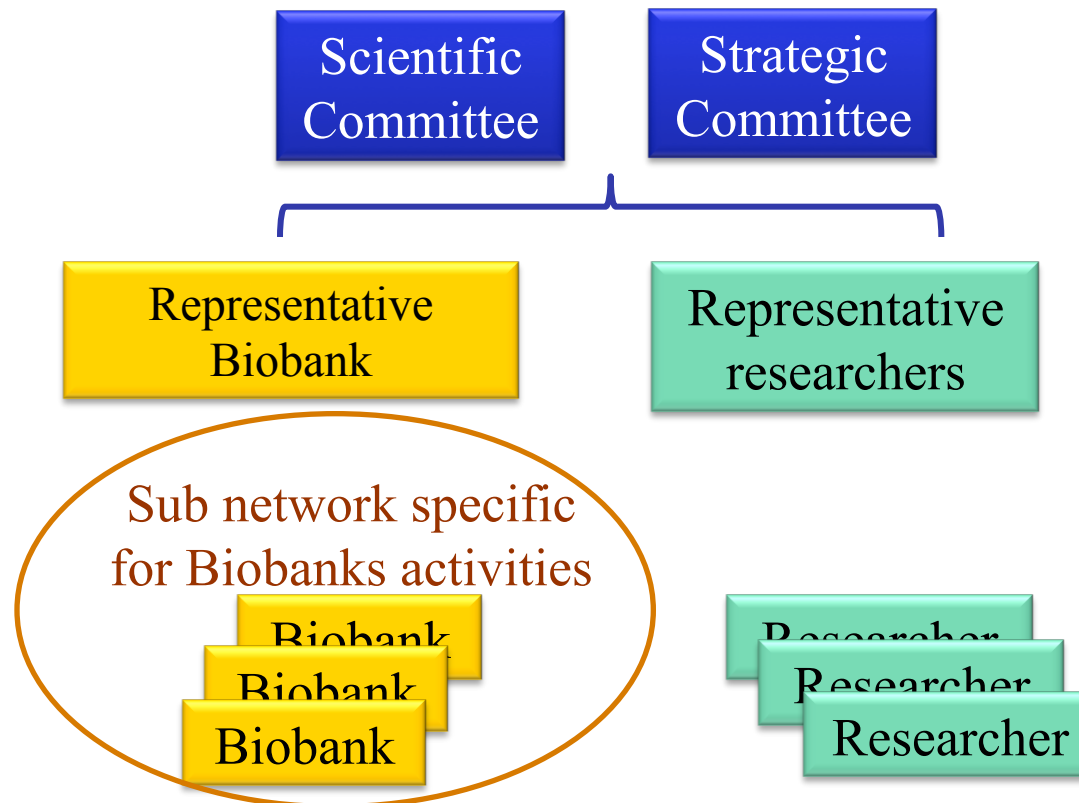


●●●● Biobank Network organisation

Biobank network



Research network with
biobanks as partners



●●●● Involvement of partner...not so easy

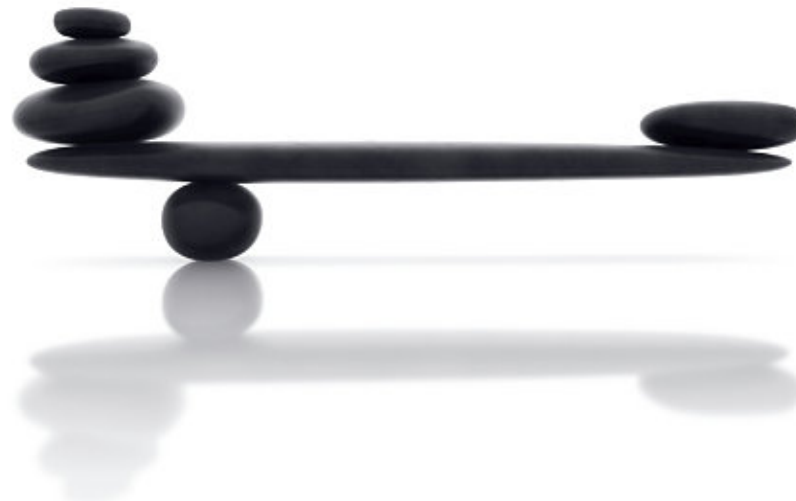
Different partners

Work together in the same objective

Individual
requirements

Happy medium

Network
requirements



●●● Member engagement



To know his role in the network

To know his well defined responsibilities

Rights

- To obtain information
- To be involved in governance
- To be mentioned in publication
- To obtain financial help

Duties

- To participate to the network activities
- To answer to the requests
- To control its actions
- To respect the laws of his country

●●● Agreement as a proof of liabilities

To write down what you decided

- To push you to really specify your needs and objectives
- To be sure that everybody agree



To obtain an official and reference document

- General rules for the collaboration
- To engage partners
- To engage responsible legal entity

Common tools to enhance the network

Communication

- Meeting
- Web site
- Newsletters
- Catalogue

Biological resources

- Collections
- Database

Survey of quality

- Harmonisation of procedures
- Survey of quality samples
- Definition of minimum data set
- Scientific Committee

Financial support

Agreement consortium

●●● Added value of biobank network

Bring Assets

- To obtain a huge reactivity
- To resolve the bottle-neck
- To obtain critical mass of patients
- To standardise minimum data
- To avoid samples heterogeneity
- To link different expertises
- To reduce the time necessary to obtain results

... The concept of network



The network induces
the disappearance of units
in favour of a new entity
which create, with specific tools,
a new object



...Thank you for your attention