

Belgian Virtual Tumor bank Belgische Virtuele Tumorbank Tumorotheque Virtuelle Belge



Belgian Cancer Registry

History of the initiative
Historique de l'initiative
Historiek van het initiatief

www.kankerregister.org | www.registreducancer.org

Professor Vincent GREGOIRE
Chairman of the Steering Committee of
the Belgian Virtual Tumor bank

Background

- Belgian Foundation against Cancer initiative in 2007
 - 5 university hospitals
 - Steering committee with pathologists and oncologists
 - Virtual biobank and biobank network
- Fonds National Recherche Scientifique – Télévie in 2008
- Belgian Foundation against Cancer initiative in 2008
 - 8 university hospitals
- Coordination by the Belgian Cancer Register (2008)
- Belgian Cancer Plan in 2008 (action #27)
 - 11 university (or affiliated) hospitals



A Belgian network!

Partners

Cliniques universitaires Saint-Luc
UZ Gent
Hôpital Erasme
UZ Leuven
Institut Jules Bordet
UZ Antwerpen
CHU de Liège
UZ Brussel
CHU UCL Mont-Godinne
CHU Brugmann
Cliniques Saint-Pierre d'Ottignies (IPG)



Achievements

- Harmonization of the Standard Operating Procedures for sample collection and storage in each participating local biobank
- Development of the Belgian Virtual Tumourbank registration (BVT_r) procedure and catalogue (BVT_c)
- Handling of legal and ethical issues

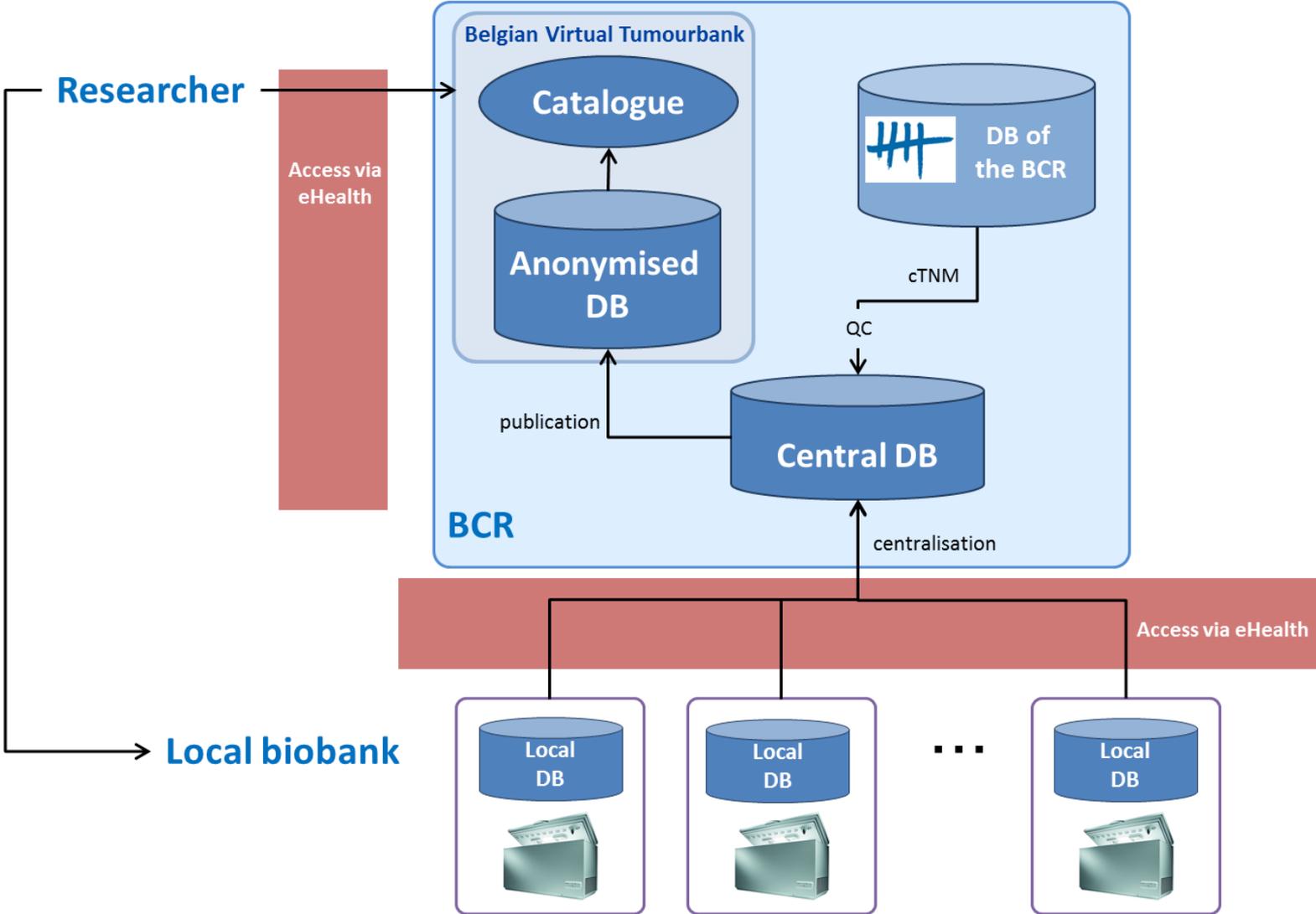


Standard Operating Procedures (SOPs)

- Collecting procedures: timing of ischemia, timing from operating theatre, ...
- Tissue evaluation and sampling: “left-over” tumour and surrounding normal tissue
- Conservation procedures: methods for frozen and paraffin embedded samples, ...
- Description of the equipments used: alarm systems on freezer, back-up freezer, ...
- Quality control procedures: how, how frequently, ...
- Local data management procedures



Belgian Virtual Tumourbank catalogue (BVT_c)



Belgian Virtual Tumourbank catalogue (BVT_c)

Stockage site
Dispatch date
ID Catalogue
Sex
Birth date
Informed consent
ID sample
N° biopsy
Sample date
Sample state
Diagnostic method
Topography
Laterality
Histological diagnosis
pTNM
Degré of differentiation
Mode of conservation
Treatment delay
ADN, ARN, protéines
Biological material
associated
Samples of the same
patient
Comments

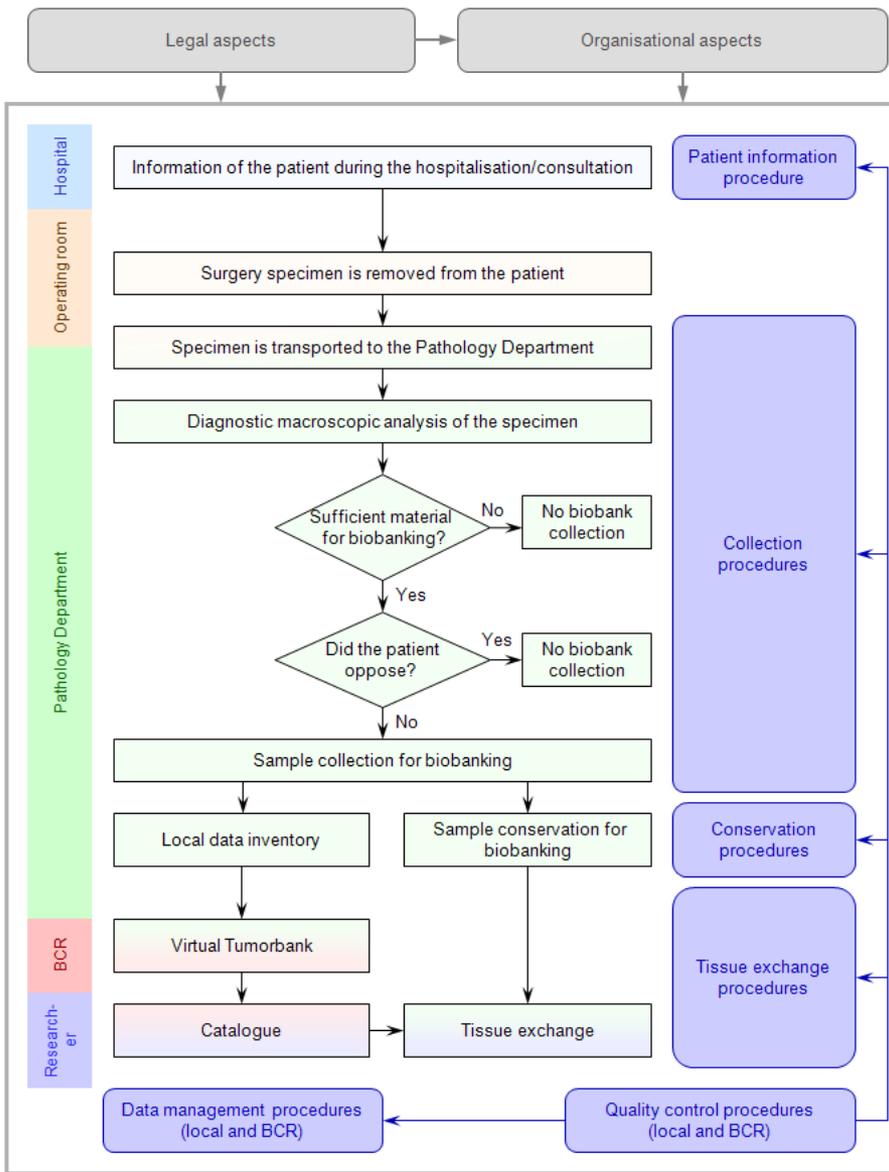
- Easy search
- Sample Exchange tool
- Automatic form to contact local data base(s)



Legal and ethical issues

- Privacy commission: procedures and use of National Registry number approved in 2011
- Common patient information procedure
- Informed consent: opting-out
- Privacy commission: procedure (via e-Health) to authorize scientists to access the biobank catalogue (e.g. background, working environment, ...) approved in 2012



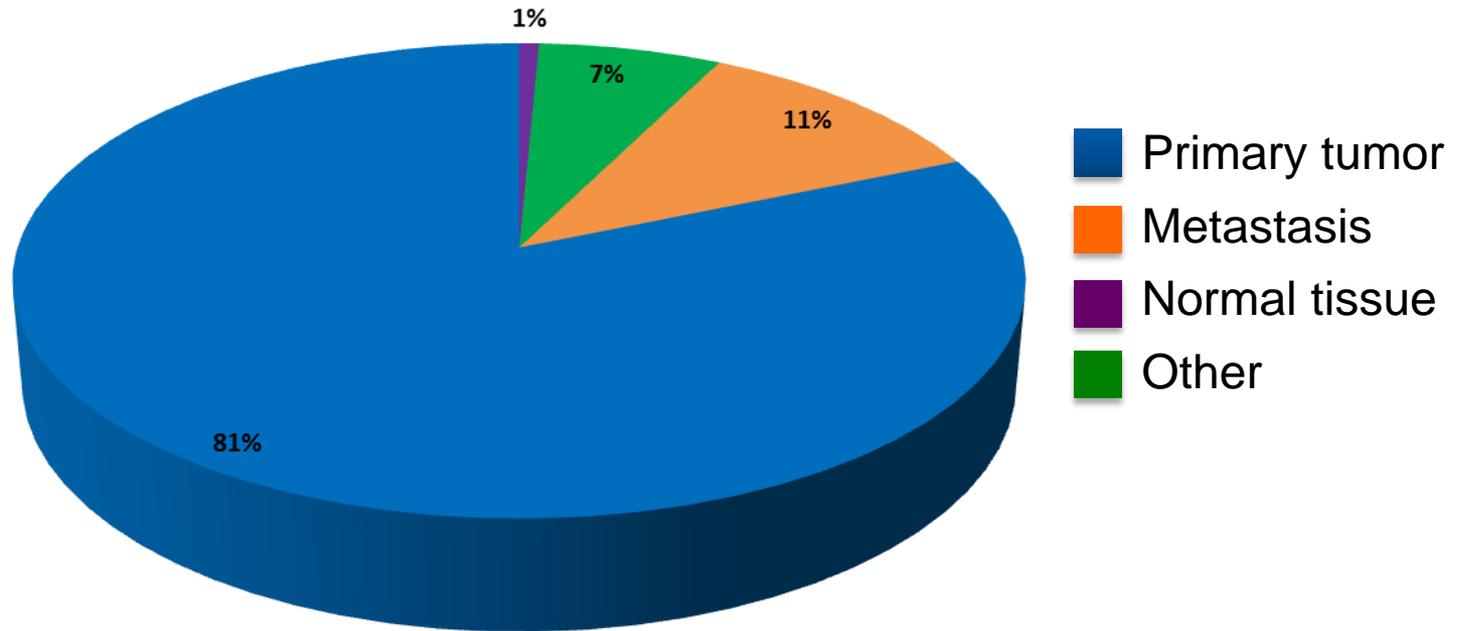


In short ...



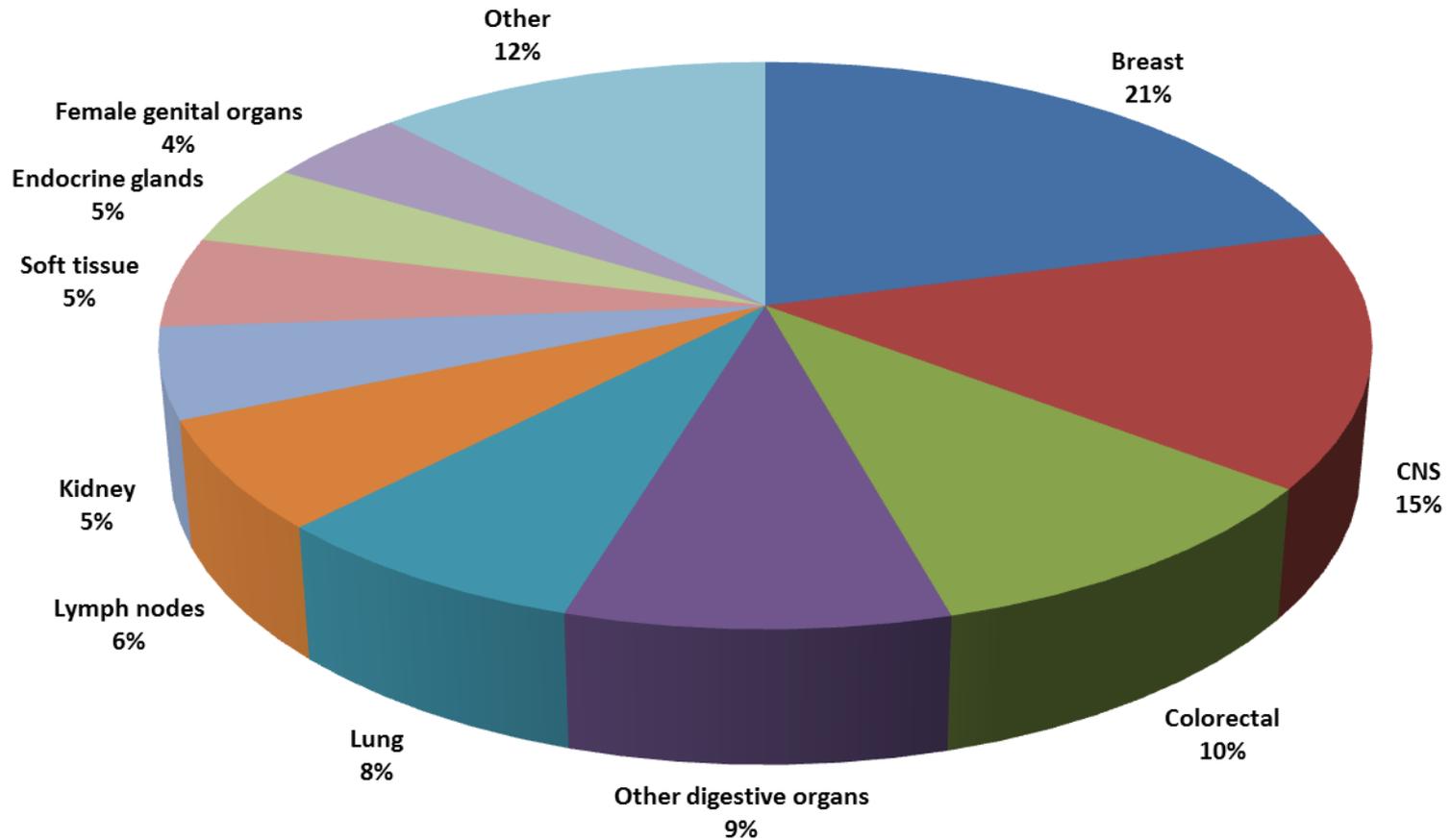
Biobank network inventory (Oct 1, 2012)

n = 12,804



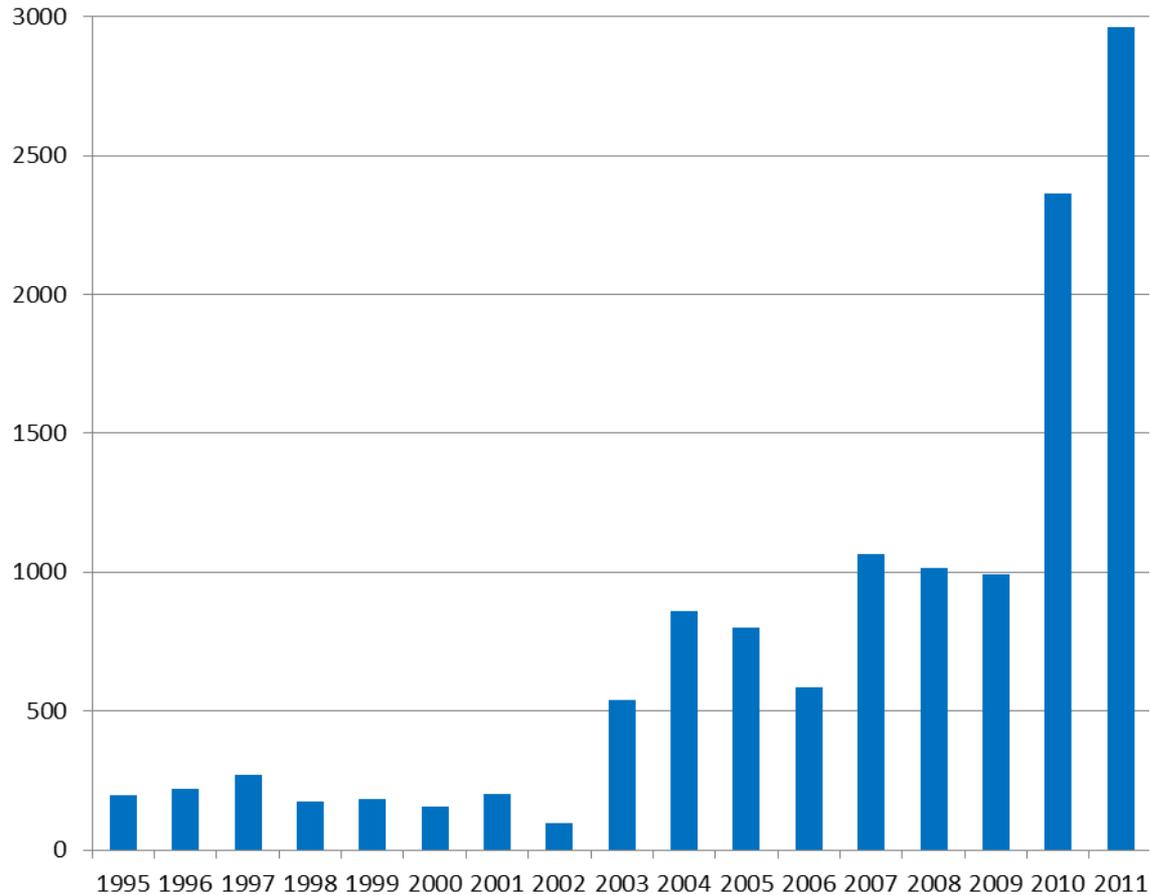
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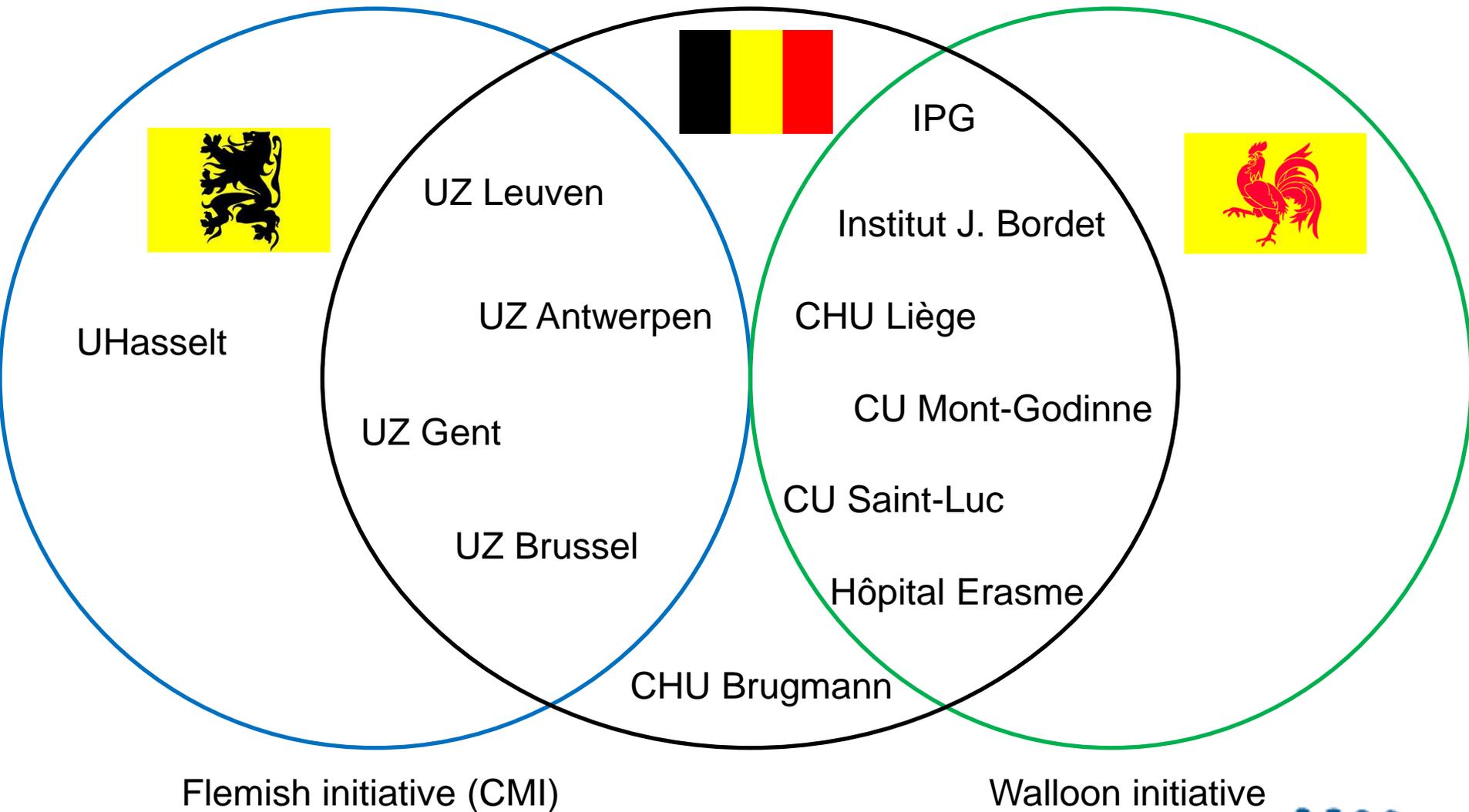


Biobank network inventory (Oct 1, 2012)

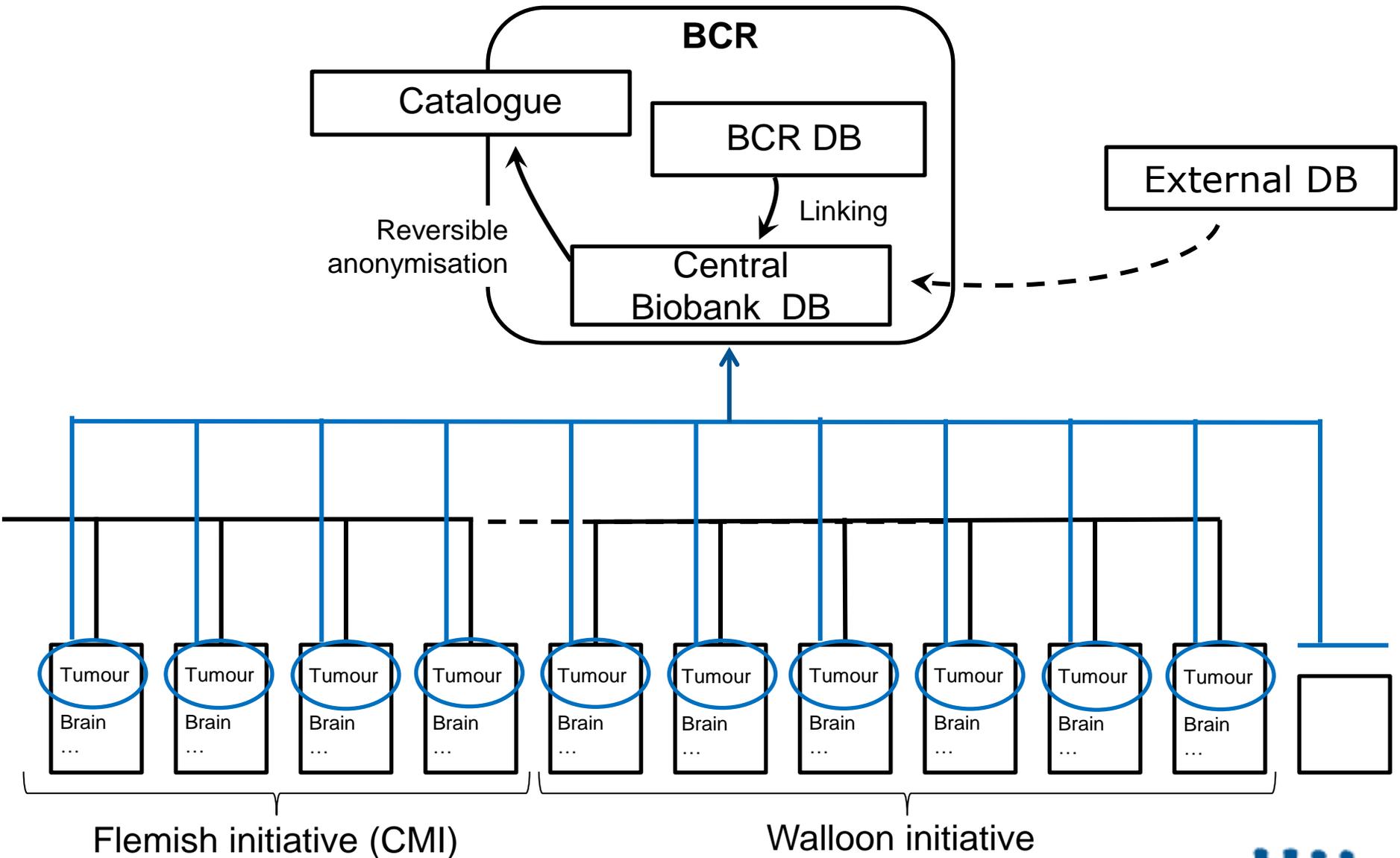
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Different biobank initiatives in Belgium



Integration with other Biobank initiatives



Challenges

- Fulfill the needs of the scientific community
- New needs, e.g. normal tissues and blood
- Complementarity with “all tissues” regional initiatives
- Relationship with industry
- Ethical issues: opting-out informed consent
- Continued funding

