



Das Deutsche Biobanken-Register - Weiterentwicklung zur Version 2.0

5. Nationales Biobanken-Symposium | Berlin | 7. - 8. Dezember 2016

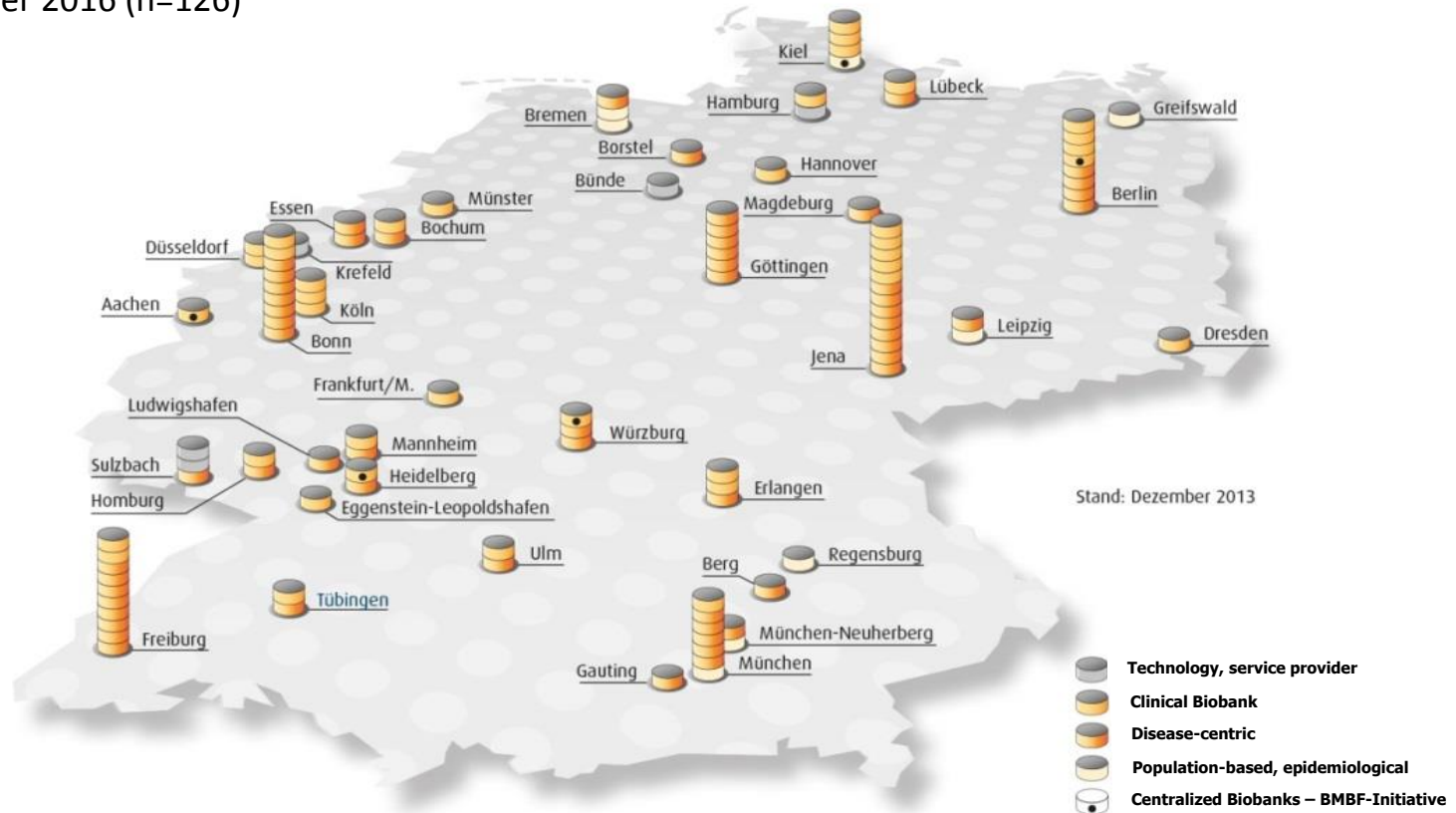
Roman Siddiqui

TMF





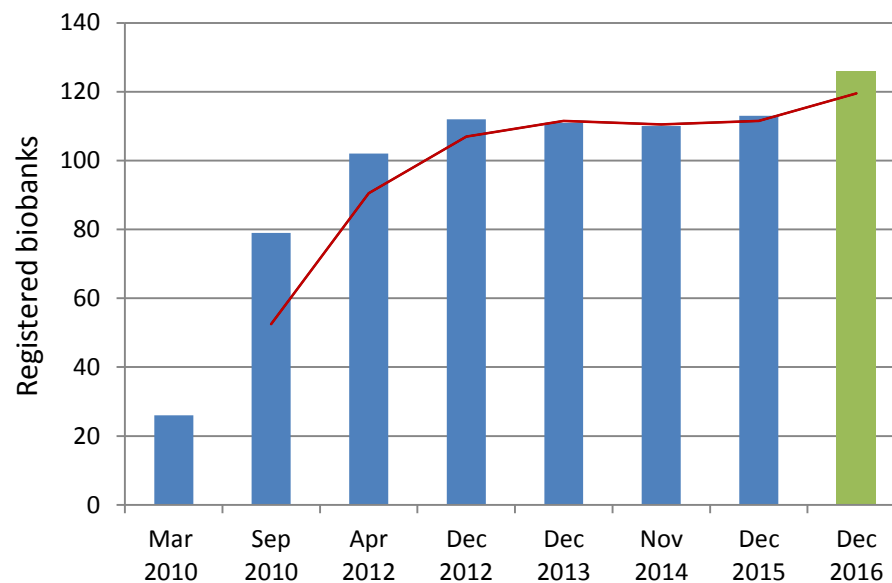
December 2016 (n=126)



www.biobanken.de



Biobanks in DBR: n = 126

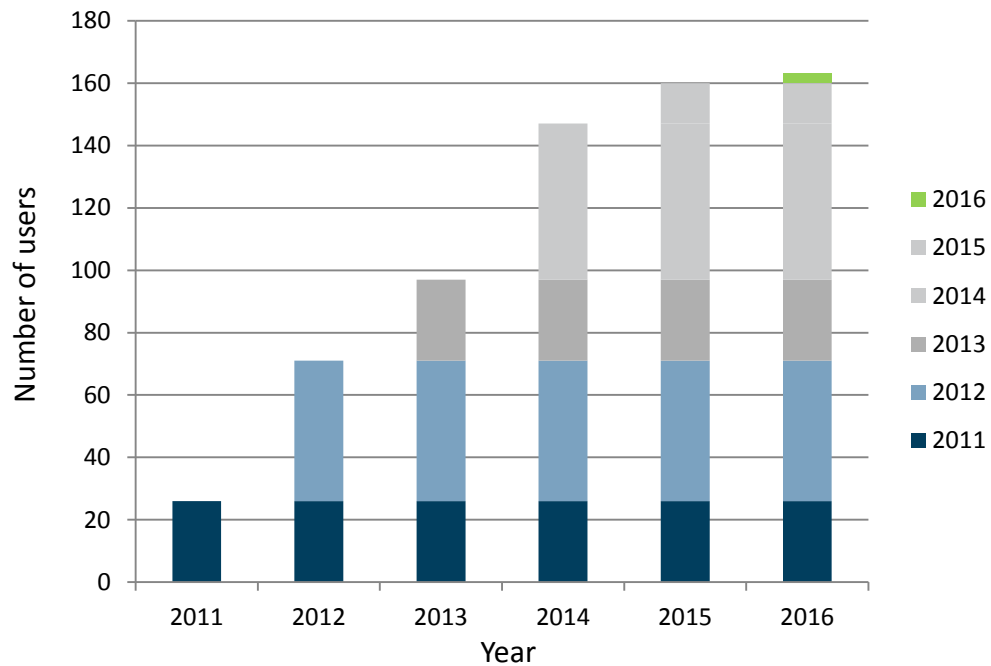


Biobank classes

- Clinical- / disease-centric ~90%
- Population-based ~8%
- Therapeutical, model orgs. ~2%

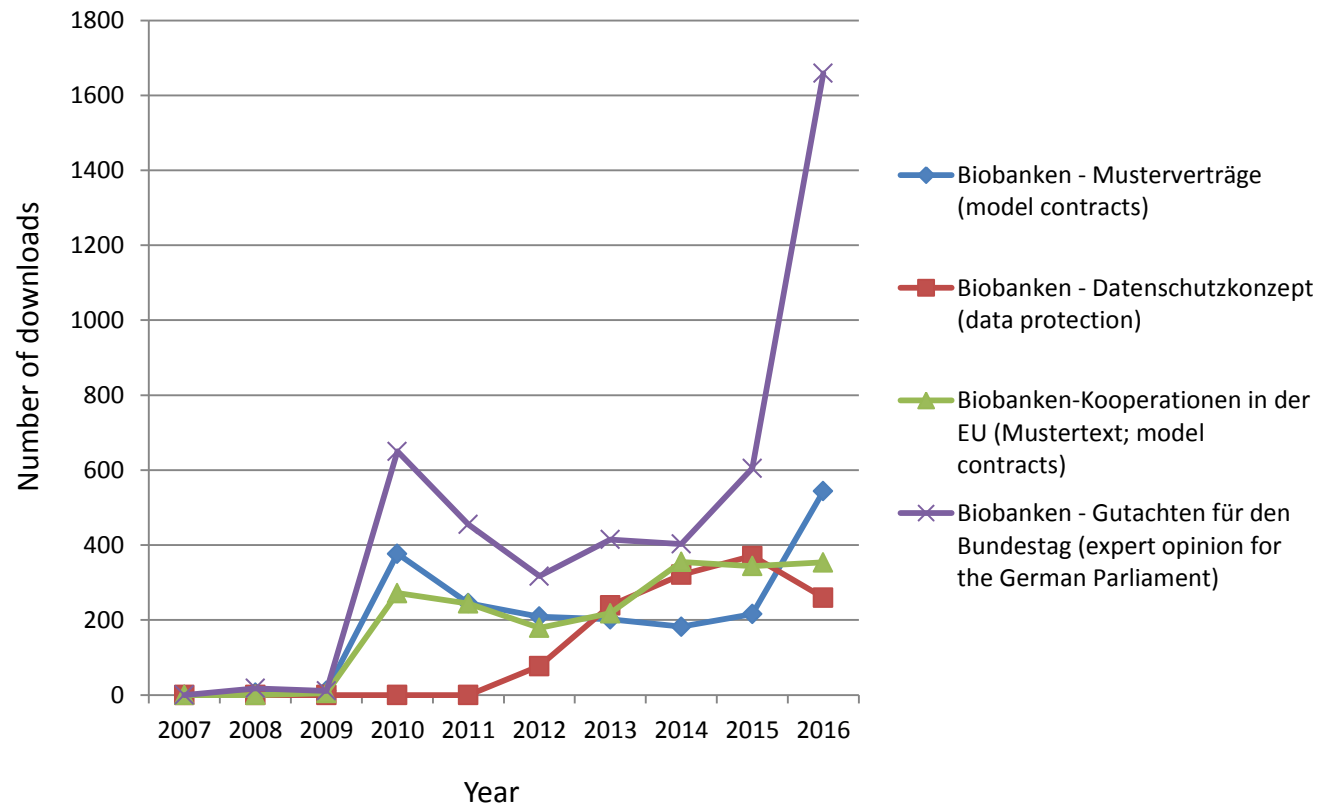


User Forum: n = 163





TMF-products for biobanking





Key benefits of a biobank registry

German Health Research Council

(December 12, 2008)

- ▶ **Visibility** national – international
 - ▶ Co-operation & collaboration, e. g. Pan-European infrastructures (BBMRI-ERIC)
 - ▶ Data & sample exchange, e. g. Global Alliance for Genomics and Health
- ▶ **Resource „human biospecimen“**
 - ▶ Avoiding redundancy
 - ▶ Preventing depletion of precious biospecimens
 - ▶ Harmonisation / standardization of quality management

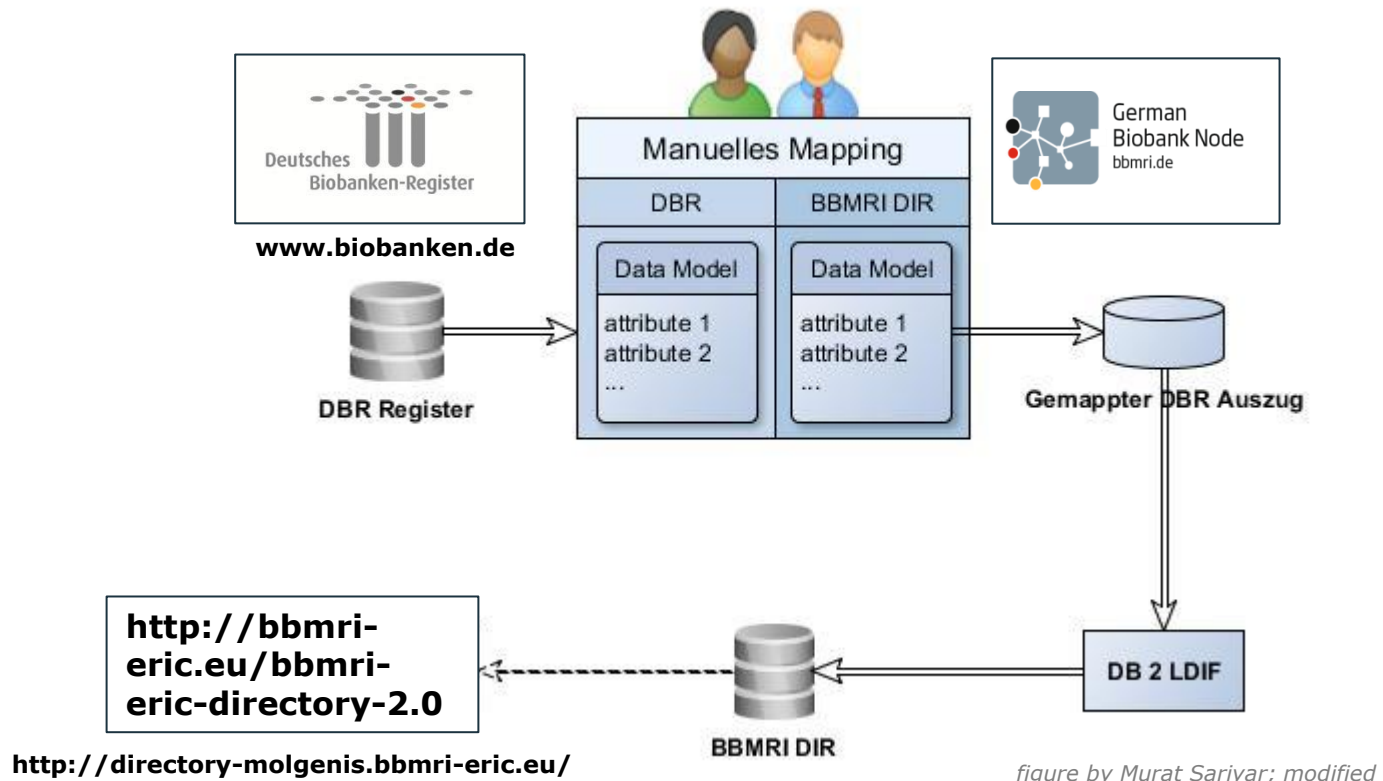
German Ethics Council

(June 15, 2010)

- ▶ **Transparency** ethics & regulations
 - ▶ Funding
 - ▶ Informed / open consent
 - ▶ Privacy / data protection
 - ▶ Public awareness (patients & donors)
 - ▶ Trust in biomedical research
- ▶ **Proof of excellence**
 - ▶ In research
 - ▶ Know how-transfer
 - ▶ Competition for funding grants



Quo vadis?





BBMRI-ERIC[®]
Biobanking and BioMolecular resources
Research Infrastructure

ABOUT NODES SERVICES PUBLICATIONS & OUTREACH CONTACT

ELSI WIKI: MIABIS 2.0 BRIF EBW CONFERENCE BBMRI-ERIC DIRECTORY QUALITY MEETINGS

Biobanks Biobank Networks

search by: Biobank Name

Material Types: Diagnosis Available: Country: Biobank Size:

Type of Biobank: Type of Collection:

Number of Biobanks: 10

Country	Name	Type	Diagnosis	Number of Collections	Size	Juristic Person
DE	GCKD-Biobank	biobank, biobankClinical	icd.N19	1	1x10 ³	4. Medizinische Klinik Erlangen-Nuernberg, Nephrologie
DE	Asklepios Biobank fuer Lungenerkrankungen	biobank, biobankClinical	icd.B44, icd.C78, icd.G85, icd.J70, icd.J84, icd.J88, icd.C37, icd.D38, icd.C45, icd.D21, icd.C34	1	1x10 ³	Asklepios Fachkliniken Muenchen-Gauting
DE	Translational Sarcoma Research Network	biobank, biobankClinical	icd.C40	1	1x10 ²	Westfaelische Wilhelms-Universitaet Muenster, Medizinische Fakultaeet, Klinik fuer Kinder- u. Jugendmedizin, Paediatrische Haematologie und Onkologie
DE	Popgen	biobank, biobankClinical, biobankPopulation	icd.G25.0, icd.I63.0 - 63.9, icd.D86, icd.G20	1	1x10 ⁵	Universitaetsklinikum Schleswig Holstein / Institut fuer Experimentelle Medizin / Sektion Epidemiologie
DE	German COPD and Systemic Consequences - Comorbidities Network	biobank, biobankClinical	icd.J44.0, icd.J44.3, icd.J44.2, icd.J44.1	1	1x10 ³	Universitaet des Saarlandes, Klinik fuer Innere Medizin V, Pneumologie
DE	Gewebebank fuer entzuendliche Erkrankungen Heidelberg	biobank, biobankClinical	icd.*	1	1x10 ³	Pathologisches Institut, Universitaetsklinikum Heidelberg
DE	paediatrische Diabetes-Biobank	biobank, biobankClinical	icd.*	1	1x10 ²	Kompetenznetz Diabetes mellitus
DE	Stiftung PATH - Patients' Tumor Bank of Hope	biobank, biobankClinical	icd.C50	1	1x10 ³	Stiftung PATH
DE	Nationales Register fuer angeborene Herzfehler	biobank, biobankClinical	icd.*	1	1x10 ³	Nationales Register fuer angeborene Herzfehler e. V.
DE	Biomaterialsammlung Forschungsschwerpunkt Onkologie	biobank, biobankClinical	icd.*	1	1x10 ³	Medizinische Fakultaeet Mannheim der Universitaet Heidelberg

<http://bbmri-eric.eu/bbmri-eric-directory-2.0>



The future of BBMRI-Directory 3.0 is **MOLGENIS & MIABIS**

Bioinformatics, 32(14), 2016, 2176–2183
doi: 10.1093/bioinformatics/btw155
Advance Access Publication Date: 21 March 2016
Original Paper

OXFORD

Databases and ontologies

MOLGENIS/connect: a system for semi-automatic integration of heterogeneous phenotype data with applications in biobanks

Chao Pang^{1,2}, David van Enckevort¹, Mark de Haan¹, Fleur Kelpin¹, Jonathan Jetten¹, Dennis Hendriksen¹, Tommy de Boer¹, Bart Charbon¹, Erwin Winder¹, K. Joeri van der Velde¹, Dany Doiron^{3,4}, Isabel Fortier^{3,4}, Hans Hillege² and Morris A. Swertz^{1,2,*}

¹Department of Genetics, University Medical Center Groningen, Genomics Coordination Center, University of Groningen, Groningen, The Netherlands, ²Department of Epidemiology, University Medical Center Groningen, University of Groningen, Groningen, The Netherlands and ³Research Institute of the McGill University Health Centre and ⁴Department of Medicine, McGill University, Montreal, Canada


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Volume 14, Number 4, 2016
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DOI: 10.1089/bio.2015.0070

Toward Global Biobank Integration by Implementation of the Minimum Information About Biobank Data Sharing (MIABIS 2.0 Core)

Roxana Merino-Martinez¹, Loreana Norlin¹, David van Enckevort², Gabriele Anton³, Simone Schuffenhauer⁴, Kaisa Silander⁵, Linda Mook², Petr Holub⁶, Raffael Bild⁷, Morris Swertz² and Jan-Eric Litton⁶

BIOINFORMATICS

Vol. 20 no. 13 2004, pages 2075–2083
doi:10.1093/bioinformatics/bth206

 **Molecular Genetics Information System (MOLGENIS): alternatives in developing local experimental genomics databases**

Morris A. Swertz^{1,*}, E. O. (Bert) de Brock^{1,2}, Sacha A. F. T. van Hijum³, Anne de Jong³, Girbe Buis³, Richard J. S. Baerends³, Jan Kok³, Oscar P. Kuipers³ and Pitsert C. Jansen¹

¹Groningen Bioinformatics Center (GBC), Faculty of Medical Sciences and Faculty of Mathematics and Natural Sciences and ²Faculty of Management and Organization, University of Groningen, P.O. Box 800, NL-9700 AV Groningen, The Netherlands and ³Molecular Genetics, Groningen Biomolecular Sciences and Biotechnology Institute, University of Groningen, P.O. Box 14, NL-9750 AA Haren, The Netherlands

BIOPRESERVATION AND BIOBANKING
Volume 10, Number 4, 2012
© Mary Ann Liebert, Inc.
DOI: 10.1089/bio.2012.0003

A Minimum Data Set for Sharing Biobank Samples, Information, and Data: MIABIS

Loreana Norlin, Martin N. Fransson, Mikael Eriksson, Roxana Merino-Martinez, Maria Anderberg, Sanela Kurtovic, and Jan-Eric Litton



biobank_collections Biobank sample collections

Germany

Data item filters

WIZARD

country	biobank	collection name	collection acronym	network
Germany	paediatrische Diabetes-Biobank	Main collection of paediatrische Diabetes-Biobank, comprising of all the samples.		
Germany	Gewebebank fuer entzuendliche Erkrankungen Heidelberg	Main collection of Gewebebank fuer entzuendliche Erkrankungen Heidelberg, comprising of all the samples.		
Germany	Nationales Register fuer angeborene Herzfehler	Main collection of Nationales Register fuer angeborene Herzfehler, comprising of all the samples.		
Germany	Translational Sarcoma Research Network	Main collection of Translational Sarcoma Research Network, comprising of all the samples.		
Germany	Biomaterialsammlung Forschungsschwerpunkt Onkologie	Main collection of Biomaterialsammlung Forschungsschwerpunkt Onkologie, comprising of all the samples.		
Germany	GCKD-Biobank	Main collection of GCKD-Biobank, comprising of all the samples.		
Germany	German COPD and Systemic Consequences - Comorbidities Network	Main collection of German COPD and Systemic Consequences - Comorbidities Network, comprising of all the s		
Germany	Stiftung PATH - Patients' Tumor Bank of Hope	Main collection of Stiftung PATH - Patients' Tumor Bank of Hope, comprising of all the samples.		
Germany	Asklepios Biobank fuer Lungenerkrankungen	Main collection of Asklepios Biobank fuer Lungenerkrankungen, comprising of all the samples.		
Germany	Popgen	Main collection of Popgen, comprising of all the samples.		

Rows per page: 20 10 items found

<https://directory.bbmri-eric.eu/>

Please cite David van Enckevort, et al "BBMRI-ERIC Directory: Metadata and Aggregate Data about Biobanks and Other Biosources" upon use.
This database was generated using the open source [MOLGENIS database generator](#) version 1.0.2-BBMRI built on 2016-09-06 11:19 UTC.



Summary

- ▶ DBR Version 2.0 integrated in
BBMRI-ERIC Directory - end
of December 2016
- ▶ MOLGENIS-based
- ▶ Visible: national &
international (Europe)
- ▶ Non-redundant automatic
data upload applicable:
 - ▶ CSV ingest
 - ▶ REST API
 - ▶ LDAP ingest



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Sebastian C. Semler (TMF)

TMF alumni:
Cathleen Seehaus
Jie Wu
Murat Sariyar

GEFÖRDERT VOM



Bundesministerium
für Bildung
und Forschung





Thank you for your attention

Further information at www.tmf-ev.de & www.biobanken.de

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