U2CONNECT

Initiative to integrate EUDAT services with universities' data infrastructures

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Ton Smeele
ITS Data management
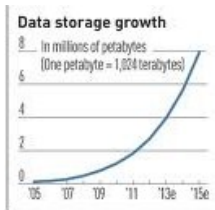Utrecht University

U2CONNECT participants

- Utrecht University
- University of Amsterdam
- VU University Amsterdam
- Delft University of Technology
- Tilburg University
- University of Twente
- Leiden University
- Radboud University Nijmegen
- Netherlands Institute of Ecology
- SURFsara (EUDAT linking pin)

60% (10.000) of all dutch university researchers employed via above institutes

U2CONNECT

U2Connect aims to…

Use and build upon the EUDAT services
to facilitate researchers
to manage research data and
to collaborate on research data
across universities/research institutes

Challenges we need to address…
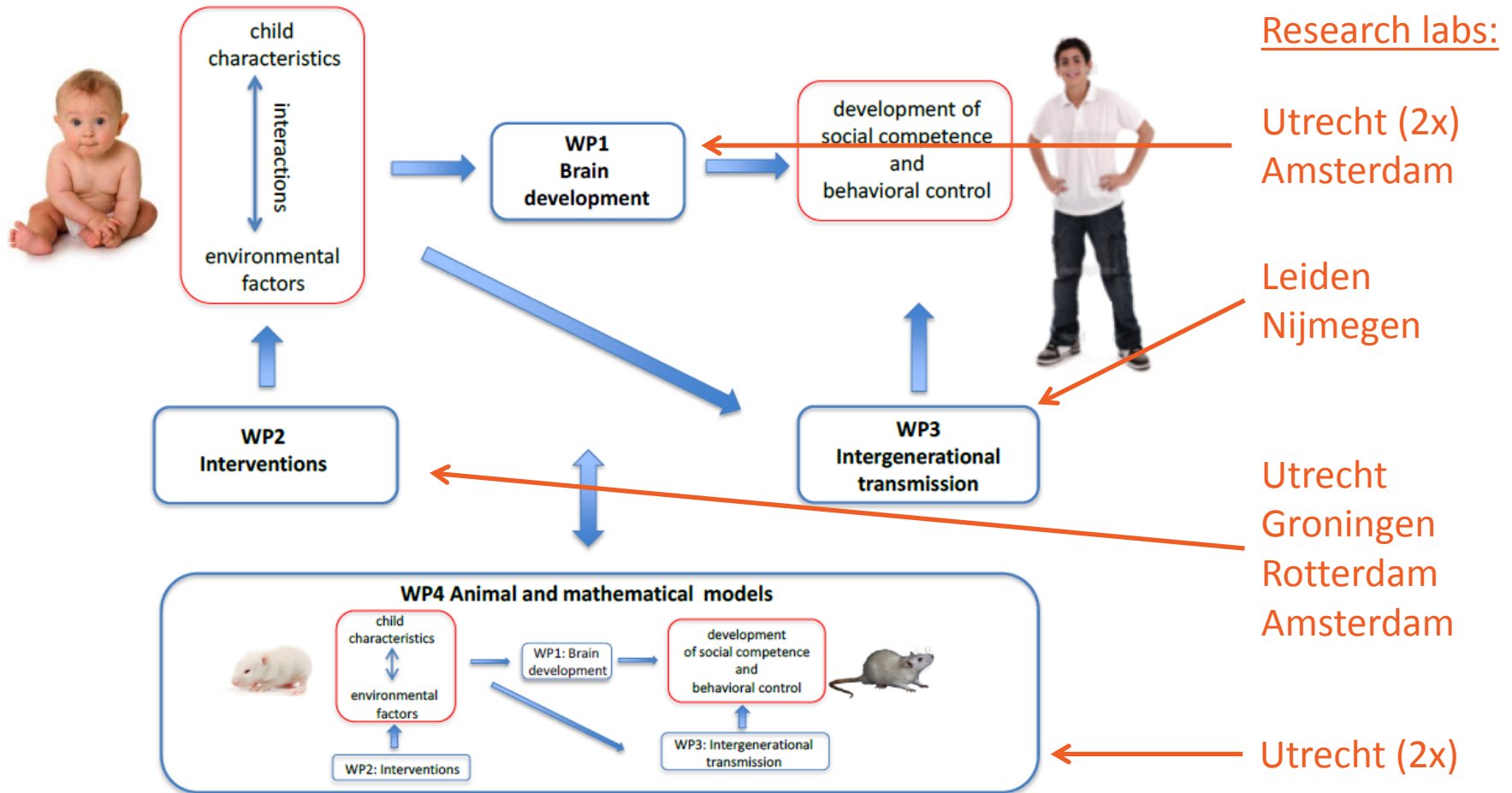
Data is exploding
must be managed and stored

Data logistics
it takes (too much) time to move terrabytes

Data integrity and reuse
now also required upon grant applications

Collaborating safely on data
Dropbox? Hmm, need a safe solution!

The kind of collaborations we need to support (across disciplines and universities)
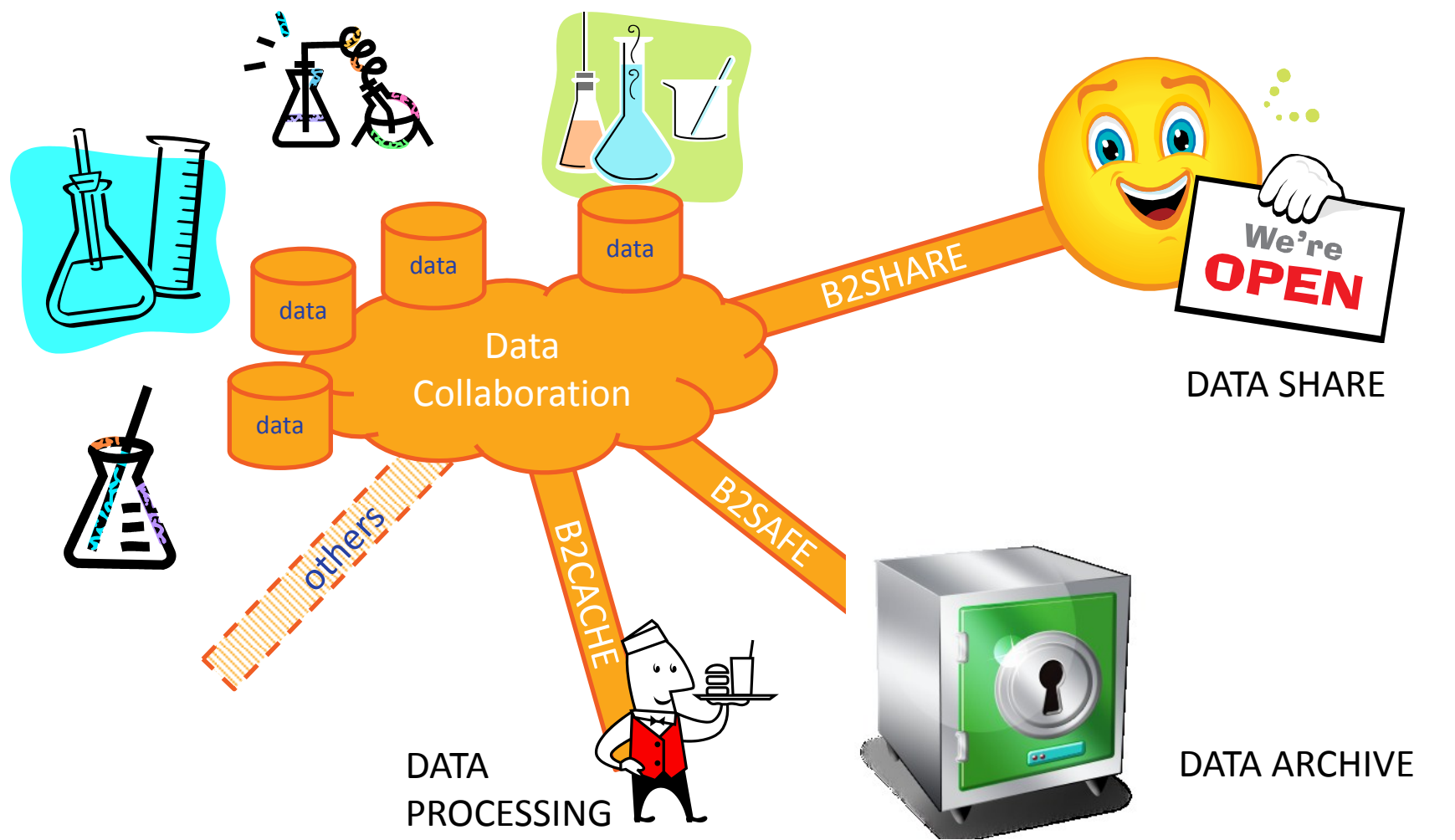

Research labs:

Utrecht (2x)
Amsterdam

Leiden
Nijmegen

Utrecht
Groningen
Rotterdam
Amsterdam

Utrecht (2x)

10 year project "Individual development, *why some children thrive, and others don't* "

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Local university research data infrastructures need to adapt

to support and complement the common data services

Building upon EUDAT services

Towards an adapted infrastructure

Collaborate on current research:
- iRODS servers or zones across institutes
- Researchers/data management use iRODS clients
  and access data transparantly regardless of location
- Metadata enriched/registered throughout workflow
- Backup locally and/or via B2SAFE to SURFsara

Archive data sets completed research:
- in certified repositories
- curated (long term storage data sets)
- e.g. B2SAFE and/or DANS and/or 3TU
- Data sets identified via PID

Share data sets (completed) research:
- Open data access licences
- Access through B2SHARE or collaboratory or
  website of archive provider
- Listed in B2FIND

Easy to use

2014 objectives

✓ Ready ourselves to benefit from EUDAT
 – Test drive and pilot the services

✓ Extend/integrate EUDAT into local data infrastructure
 – Front end services, data lifecycle support
 – Testdrive and pilot iRODS clients and servers

✓ Develop a blueprint
 – Establish interoperability to ease collaboration
 – Pave the path for others to join

In support of research

- We can collaborate on data with peers across disciplines and institutes
- Our infrastructure supports our workflow while lowering administrative burden
- Data is safeguarded against loss, during and after research
- All our research data is accounted for
- Data from our research is available for reuse by other researchers

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Thank you