



Showcasing collaborations using Vivo

Re-using and combining Pure data

Nick Veenstra, research information specialist, chairman Dutch Pure Usergroup

The TU/e campus covers an area of 75 hectares



3 Strategic areas

2 Health

3 Smart Mobility



Ecosystem and characteristics



Ultra-modern cleanroom



Living labs



11 Knowledge institutes



5 New start-ups and spin-offs



91 Patents



14 Large research labs



3,379 Scientific publications



50 Smaller research facilities



Rankings:



CWTS Leiden Ranking 2018:
TU/e no. 1 in industry cooperation



International working environment

3,221 Total staff (fte)

1,854 Research staff (fte)



66% Dutch

142 Full professors



34% International

130 Part time professors



63% Male

135 Associate professors



37% Female

293 Assistant professors

1,534 PhD fellows

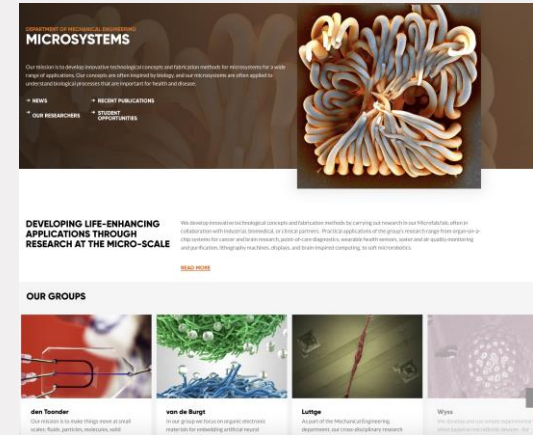
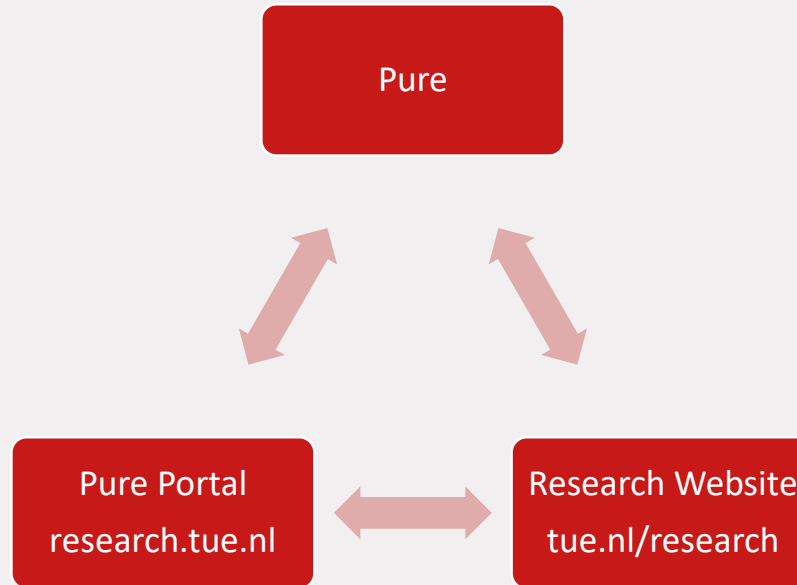
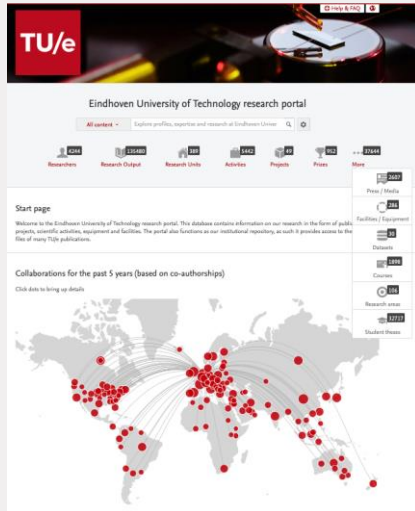


Times Higher Education (THE)
World University Ranking 2018:
TU/e no. 167 out of >1000

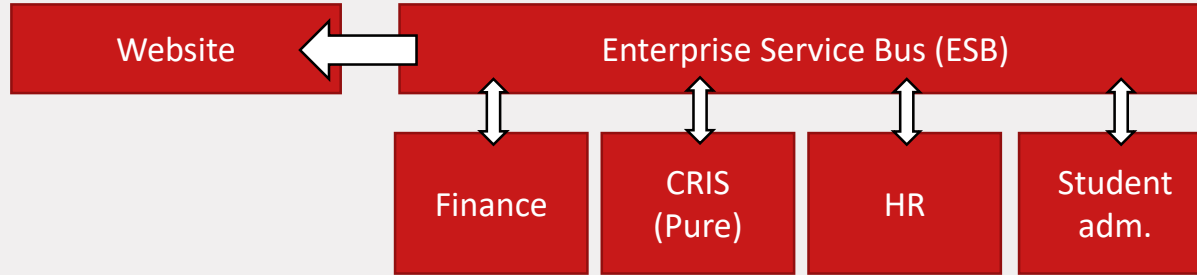


QS-Ranking 2018:
TU/e no. 99
out of 900

Web 2.0 project (2017-) : Pure, Portal and data driven research website aimed at peers



CRIS (Pure) as corporate system



- ESB integration
- Key data integration component in research information chain (from project to showcasing result): linking project, result (publication), prizes, press mentions etc.

Challenge : showcasing partners and joint ventures

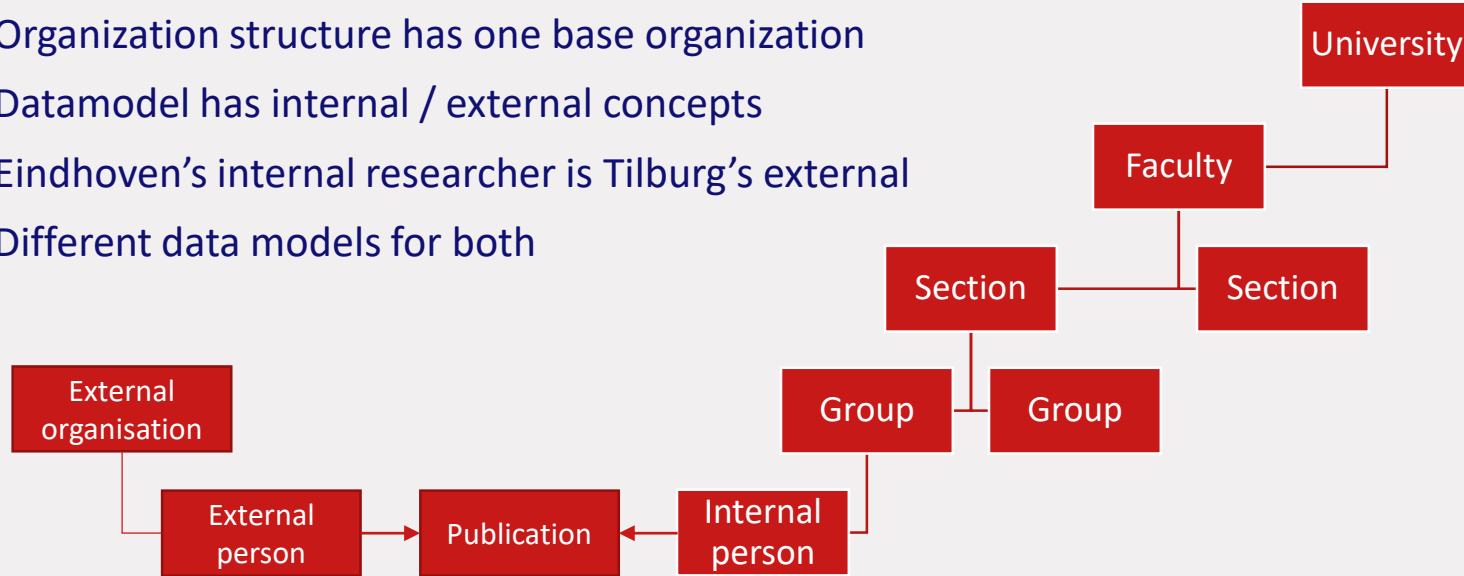
- JADS Data Science Center (Tilburg and Eindhoven university joint venture)
- Eindhoven MedTech Innovation Center (e/MTIC) : researchers in 3 hospitals

Challenges (JADS):

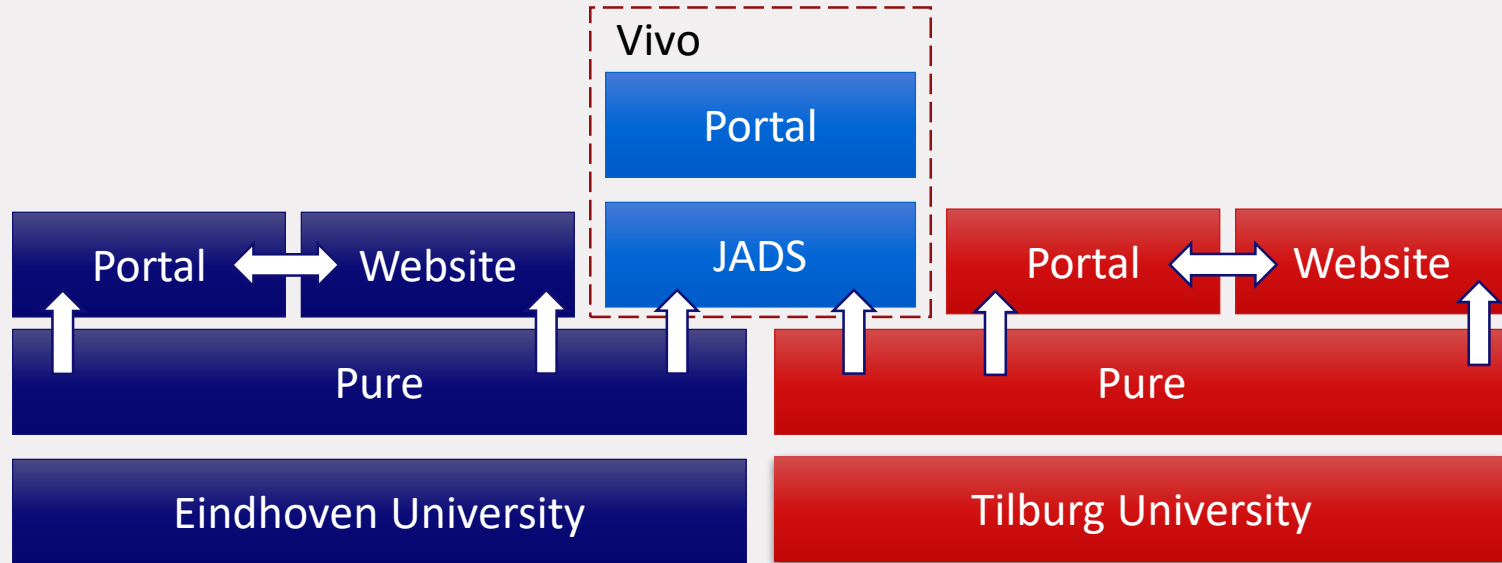
- Combine data from two (Pure) universities
- Staff and organizations sourced from HR systems
 - Not equipped to store external partners, or at cost (not on payroll)
- Pure system designed to handle one institution

Pure: (single) organization centered

- Organization structure has one base organization
- Datamodel has internal / external concepts
- Eindhoven's internal researcher is Tilburg's external
- Different data models for both



Integrating metadata using Vivo



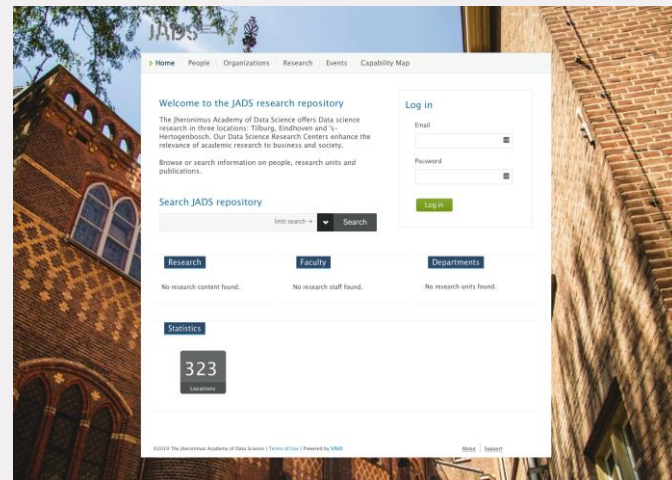
Vivo vs CRIS portal use cases

CRIS Portal (Pure)	Vivo
Corporate system, elaborate deployment	Fast deployment (multiple if needed)
Curating and showcasing research information for a single institution	Showcasing subsets of (multiple) institution research information
Cloud portal with standard options and layout for better manageability by vendor. Very little configuration possible	Highly customizable layout, hosted anywhere
Industry standard connectors as datasource (ESB) for other systems such as CMS, PhD tracking	Semantic endpoint often not supported by larger IT departments
Fixed datamodel with fixed ingest options (no CRUD API yet)	Flexible datamodel with ample ingest options
Deduplication and curating = manual labor	Semantic technology (reasoning) can help with combining data from multiple institutions in one system

Steps

- Install a Vivo system with JADS styling (done)
- Determine JADS researcher subset from both universities (done)
- Combine Pure data & load into Vivo (in progress)
- Merge / combine subset data using inference (tbd)
 - Inference rule on pids (ORCID)?
 - TU/e employee sameAs TiU employee id?

Result: proof of concept



Thank You

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