

u:cris PURE @ University of Vienna

From data collection to FAIR use in CRIS. The case of University of Vienna

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University of Vienna: Data

- Founded in 1365
 - Covers all disciplines excl. Human Medicine
 - Internal organization: 15 faculties, 4 centers, 17 research platforms
 - 65 addresses all over Vienna
 - 174 degree programmes
 - 94.000 students / 13.800 new students per year (2016)
 - from 2007: 41 ERC Grants (2017: 1 Advanced Grant, 3 Starting Grants)
 - Funds granted through research projects: ca. 80 Mio. Euro (2016)
 - Publication Output: 7.721 (2016)
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University of Vienna: Data at a glance

Graduates
in the academic year
2015/16



Researchers
some on a part-time basis,
as of 31. Dec. 2016



Degree programmes
winter semester 2016/17



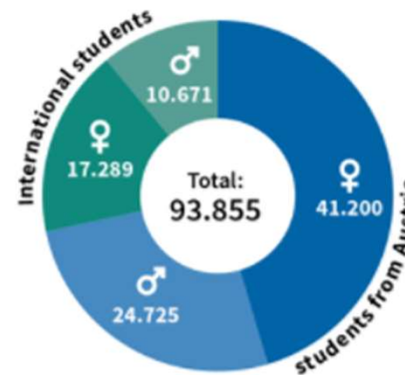
**University-wide agreements
with other Universities**
as of 31. Dec. 2016



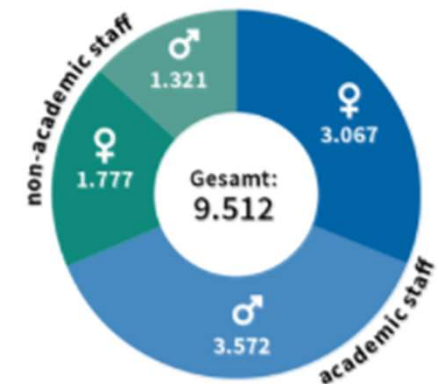
University revenues
as of 31. Dec. 2016

Global budget	€ 443 Mio.
Tuition fees	€ 13 Mio.
Other revenues	€ 101 Mio.
Total	€ 557 Mio.

Students
winter semester 2016/17



Employees
as of 31. Dec. 2016



Adjusted headcount; without
persons on leave; persons with
more than one employment
counted once.

Why a commercial CRIS?

- Former system deployed as module in Campus management system i3v (since 2006)
 - Critique former system
 - User Interface not up-to date; no possibilities of presenting or re-using data
 - Intransparency: black boxed system?
 - Development could not be guaranteed by internal development team (scarce resources)
 - Next Generation CRIS available on market
 - Implementation
 - Phase 1: Core Modules (Publications und Activities): October 2012 until November 2013
 - Phase 2: Award Management Modul Implementation 2015 - 2016
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Challenges

- Scale and Complexity of Institution
- Unpopularity former system
- High expectations
- Large amount of legacy data
- Different institutional cultures (University vs Developer)
- Rigid processes

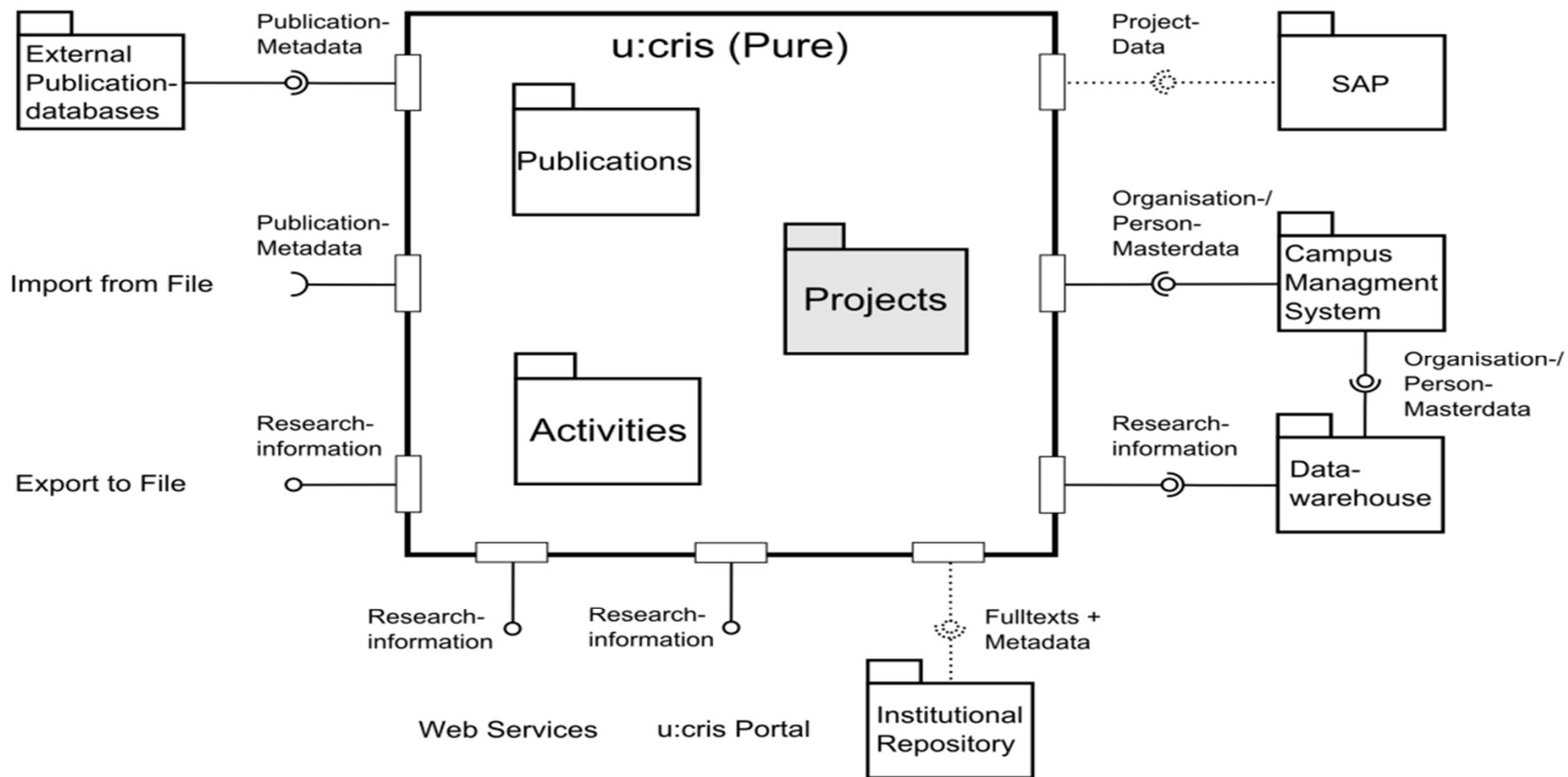
Solutions

- Early involvement of stake holders and individual researchers
 - Transparency regarding process of implementation and milestones
 - Implementation step-by-step (Award Management)
 - Heterogenous teams in implementation and management
 - Analyze processes and workflows and maybe re-adapt
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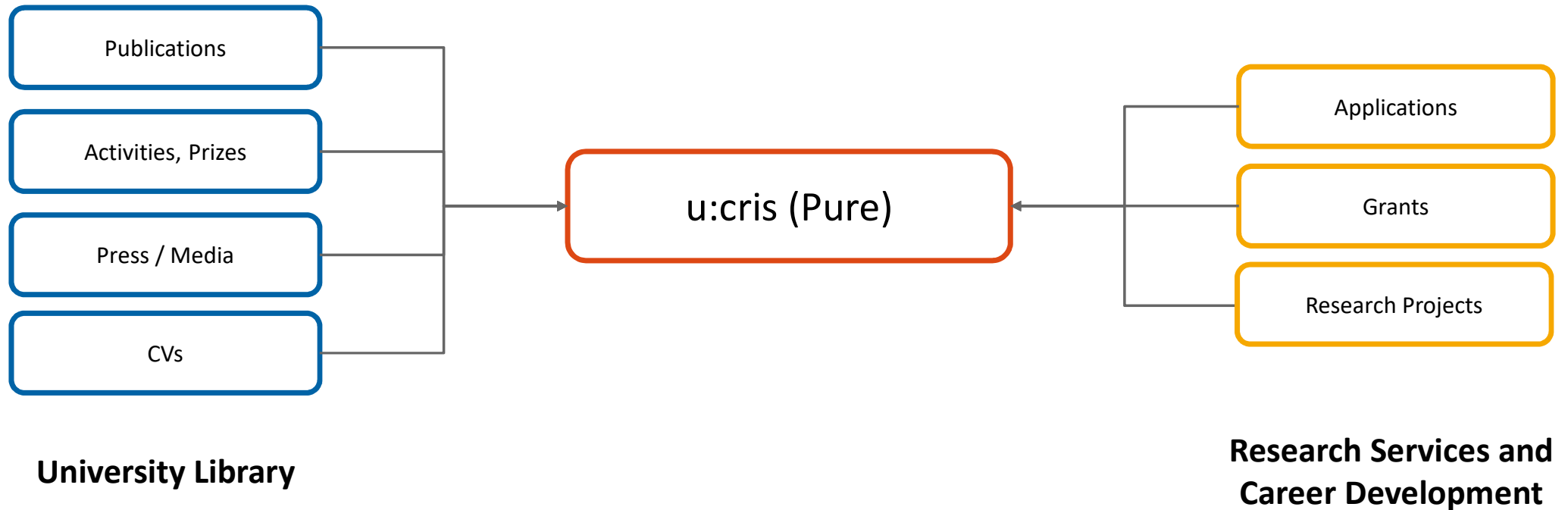
PURE @ University of Vienna: Licensed Modules

- Administration Module
 - CV Module
 - Import Module
 - Reporting Module
 - Custom Portal (formerly Advanced Portal)
 - Award Management Module (still in phase of implementation)
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System context



Pure @ University of Vienna: Responsibilities



Decentral u:cris staff @ University of Vienna

- Validation of publications: ca. 250 persons
 - Contact points for initial data entry (publications): ca. 150 persons
 - Contact points for initial data entry (research projects): ca. 70 persons
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Primary Usage(-s) of CRIS Data @ University of Vienna

Reporting

- University of Vienna runs a central Datawarehouse incl. Reporting system (IBM Cognos)
- Official Reporting is done via IBM Cognos (Guarantees for Reliability and Reproducibility of Reports)
- Pure Reporting is used for everything else

Public Presentation and Visibility

- [PURE Portal](#)
 - Typo3 Plugin-s
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Third Party funding and research projects: Entry and usage of data along the lifecycle of research projects

Pure Award Management Modul

Situation before Award Management Module

- No information available on Applications
 - Research Projects > 100.000 Euro centrally authorized by Rectorate
 - Research Projects < 100.000 Euro are approved by Dean's offices
 - only after grant: Information available at Finance Controlling
 - No answers to questions like:
 - How many applications for external funding at University?
 - Degree of Acceptance
 - Which are the most prominent sources of third party funding?
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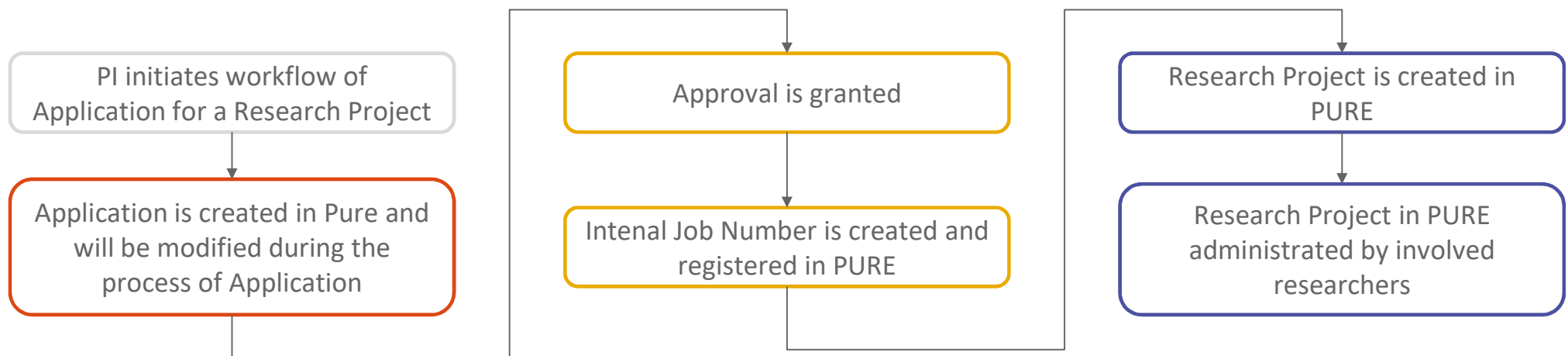
After implementation of Award Management Module

- Applications administrated and stored in Pure
 - Information regarding ALL applications for funding centrally available at University of Vienna
 - All levels of Management (Deans, Rectorate) have relevant and sensible data available on the fly
 - Paper based administration workflows are more and more replaced
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Award Management @ University of Vienna

- Applications and grants are NOT administrated by individual researchers
 - Administration Teams at deans offices (Applications to a max of 100.000 Euro) or at research services (Applications above 100.000 Euro)
 - No administration or manipulation rights granted to individual researchers for Applications and Grants (only for research projects)
 - Research project data are generated centrally, but can be manipulated by researchers involved in research projects
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Workflow: Application – Grant – Research Project



CRIS Data publically available and different research cultures

Increased Visibility in the SSH

- Study available at Zenodo „Increased Visibility in the Social Sciences and the Humanities (SSH). Results of a survey at the University of Vienna. Executive Summary 2017 EN”
<https://doi.org/10.5281/zenodo.401039>
 - SSH in non-english speaking countries less represented in international bibliometric resources (e.g. Web of Science, PubMed, Scopus)
 - Local CRIS has been identified as central tool for increasing the visibility of research in the SSH
 - Pure Custom Portal
 - Institutional and individual Webpages (via support of Content Management Systems)
 - Potential further enhancement: full support of repository integration in the CRIS environment
→ no support of Fedora based repositories by PURE (e.g. [Phaidra](#))
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FIS/CRIS Austria

- Network of CRIS-Managers from all Austrian universities (founded 2016)
 - Meetings twice a year
 - Aims:
 - Developing of standards
 - Developing of strategies concerning Annual Intellectual Capital Report, reporting, communication with researchers, data quality
 - Exchange of experience
 - Different responsibilities for CRIS (library, finance and controlling, rectorate, research services) but similar problems
 - Commercial products vs. in-house development vs. open source
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AT2OA Open Access Monitoring

- Project [Austrian Transition to Open Access](#) (AT2OA) funded by Federal Ministry of Science, Research and Economy (bmwfw) 2017-2020
 - 4 main pillars (Analysis; Financing; institutionalizing of publication funds; funding of OA publications)
 - 21 Austrian universities participating
 - Goal is reaching the full transition from Closed Access to Open Access of Austrian publically funded research
 - Sub-Project Open Access Monitoring: developing a recommendation for a tool able at monitoring the transition to Open Access in Austria building up on data stored in local CRIS
 - CERIF as a framework enabling data exchange in between of stakeholders?
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Next endeavors

- Relaunch of all publically available platforms
 - updated Corporate Identity University of Vienna
 - Custom Portal no longer supported by Elsevier
 - Custom Portal no longer supported (2018) (Pure Standard Portal? VIVO? Webservices?)
 - Further Enhancement of Support for Content Management Systems (Typo3)
 - Professionalization of Pure Reporting: Award Management; Management Information System (MIS); Pure Reports
 - Automated SAP interface (unidirectional Push from PURE to SAP)
 - Equipment Module: Infrastructure and large research facilities
 - Finalization of implementation Award Management Module
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Contact

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