

What it is and what it does

Alexander Wagner, for *JOIN²*

Universität Witten/Herdecke

Witten, 22.03.2016



Overview



- > Who is **JOIN²**
- > What is **JOIN²**
- > Going for the ²



Part I: Who is



Partner



Deutsches Elektronensynchrotron

≈ 2000 + 3000



Deutsches Krebsforschungszentrum

≈ 3000



Deutsches Zentrum für Neurodegenerative Erkrankungen



Forschungszentrum Jülich

≈ 5000 + 1000



GSI Helmholtzzentrum für Schwerionenforschung

≈ 1050



JOIN²: Open for new partners!

000



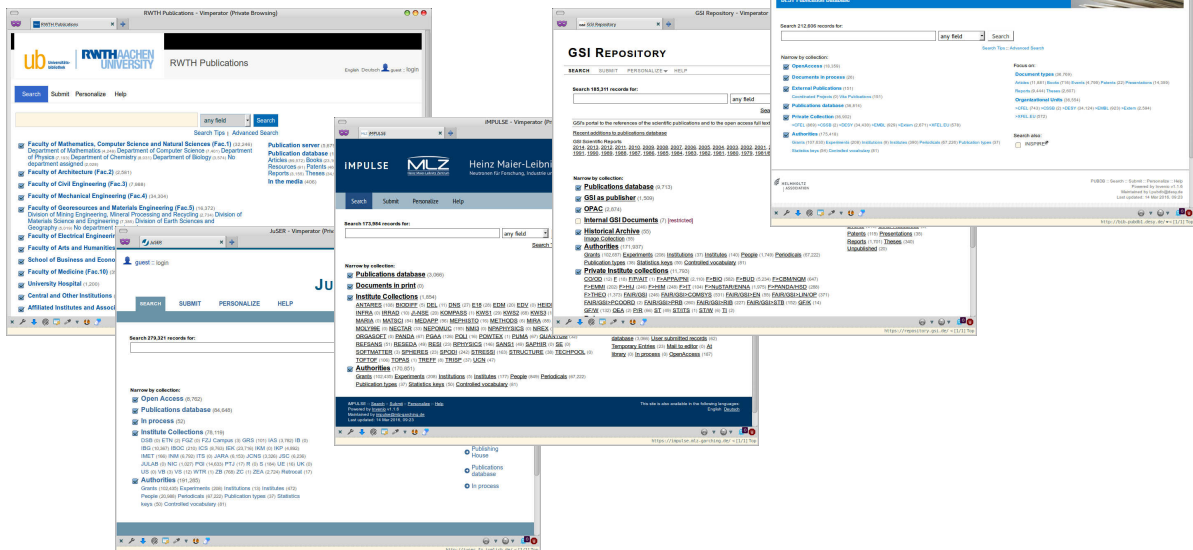
Online for ≈ **20.000** staff members

+ ≈ 5000 visiting scientists

(≈ 326.000 records, ≈ 34.300 OpenAccess, ≈ 175.000 shared authorities)



Installations



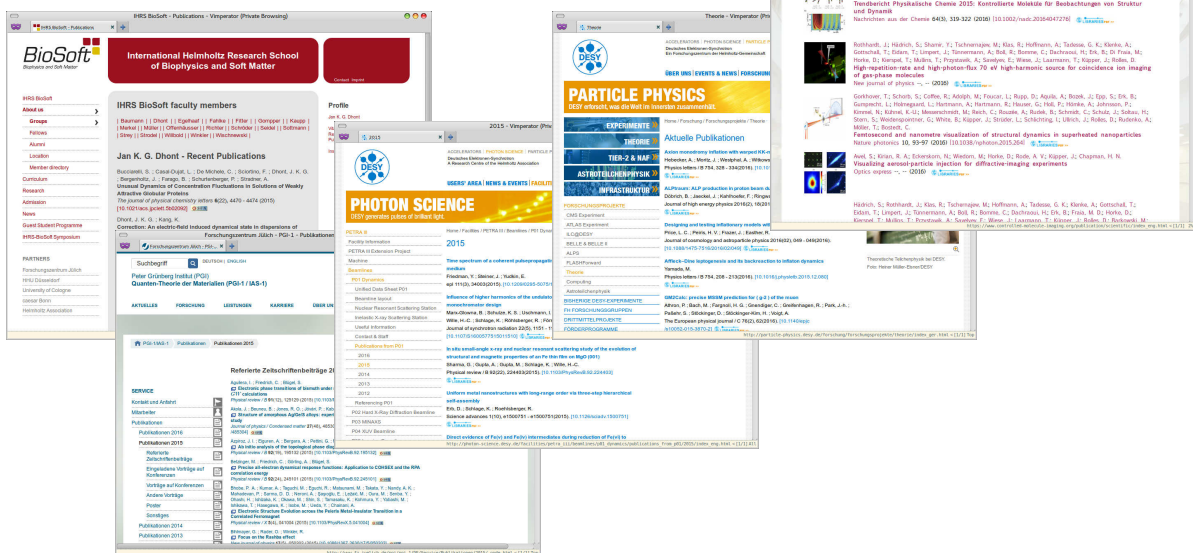
Individual instances, powered by the partners and their IT



Alexander Wagner, for JOIN² | Universität Witten/Herdecke | Witten, 22.03.2016 | Page 5



Weboutput – CMS



Publication lists need data as detailed as for evaluations...

(aid, cid, fai pof, pub, sid, typ ...)



Alexander Wagner, for JOIN² | Universität Witten/Herdecke | Witten, 22.03.2016 | Page 6



Structural and functional characterisation of TesA - a novel lysophospholipase A from *Pseudomonas aeruginosa*. - JuSER - Vimperator (Private Br)

Structural and functional charact...

JUSER

JÜLICH
FORSCHUNGSZENTRUM

SEARCH SUBMIT PERSONALIZE HELP

Home > Structural and functional characterisation of TesA - a novel lysophospholipase A from *Pseudomonas aeruginosa*.

Information Discussion (0) Usage statistics Files Plots

Journal Article FZJ-2015-04395

Structural and functional characterisation of TesA - a novel lysophospholipase A from *Pseudomonas aeruginosa*.

Kovačić, F.*; Granzin, J.*; Wilhelm, S.; Kojić-Prodić, B.; Batra-Safferling, R.*; Jaeger, K.-E. (Corresponding Author)*

2013
PLoS Lawrence, Kan.

PLoS one 8(7), e69125 - (2013) [10.1371/journal.pone.0069125] 

This record in other databases:  PubMed.gov, Article in Web of Science, Citing articles in WoS, Related articles in WoS

Please use a persistent id in citations: <http://hdl.handle.net/2128/8934>, doi:10.1371/journal.pone.0069125

Report No.: FZJ-2015-04395

Abstract: TesA from *Pseudomonas aeruginosa* belongs to the GDSL hydrolase family of serine esterases and lipases that possess a broad

Keyword(s): Oligonucleotides; Lysophospholipase

Contributing Institute(s):

1. Strukturbiochemie (ICS-6)
2. Institut für Molekulare Enzymtechnologie (HHUD) (IMET)

Research Program(s):

1. 452 - Structural Biology (POF2-452) (POF2-452)

OpenAccess:
 PDF  PDF (PDF/A)
External links:
 Fulltext by Pubmed Central
 Fulltext by OpenAccess repository

JOIN².

Part II: What is



The flexibility and performance of **INVENIO** make it a comprehensive solution for [...] document repositories [...] to **large sizes** (several millions of records).

- > Based on **Marc Bibliographic** (international standard)
- > **JOIN²**: Workflow (privilege escalation)
- > **JOIN²**: Marc-**Authority** to normalize data
 - bibliographic entries (e. g. Journals)
 - institutes (Predecessors, successors, tops, virtuals...)
 - authors (also for ATLAS...)
 - grants (HGF aka POF, EU, DFG, BMBF...)
 - statistic keys (e. g. for evaluation)
 - vocabulary (e. g. licences, keywords)



What are Authority records?

Reasons for a publication database:

- 1 Visibility (includes search engines, OpenAIRE, BASE...)
- 2 Publication lists (Web, reports, PR)
- 3 Document collections (incl. private areas)
- 4 Search & Browse (via database homepage)
- 5 Reporting (HGF, EU, Funders...)

Authorities:

- > unify and normalize spelling (still, names are but sound and smoke...)
- > allow for “exact matches” (based on unique IDs)



Collections

- > Publicationsdatabase
- > Documents in Print:
 - approved by institutes editor
 - not yet checked by the library
 - e. g. papers “just available Online” (missing bibliographic data e. g. pages, volume)
 - already visible on institutes web pages
- > OpenAccess repository (OpenAIRE )
- > External publications (vita, coordinated projects...)
- > Institute Collections:
 - Institutes private workspace
 - e. g. drafts, collected literature, journal clubs ...
 - Access for members of the institute only
- > Authorities



JOIN²– Main features

- > Import interfaces (ease up input, improve data quality)
- > Exports to BibTeX/EndNote/RIS (Integrate with citations management)
- > Institute collections (collect and share documents)
- > Add full texts (also OpenAccess, OpenAIRE )
- > Normalize as much as possible (Key: Authorities)
 - Authors (tell apart Meier and Meier)
 - Institutes
 - Journals
 - Projects (POF, EU, ...)
 - ...

...Users don't need to care about technical details ...



Institute Collections

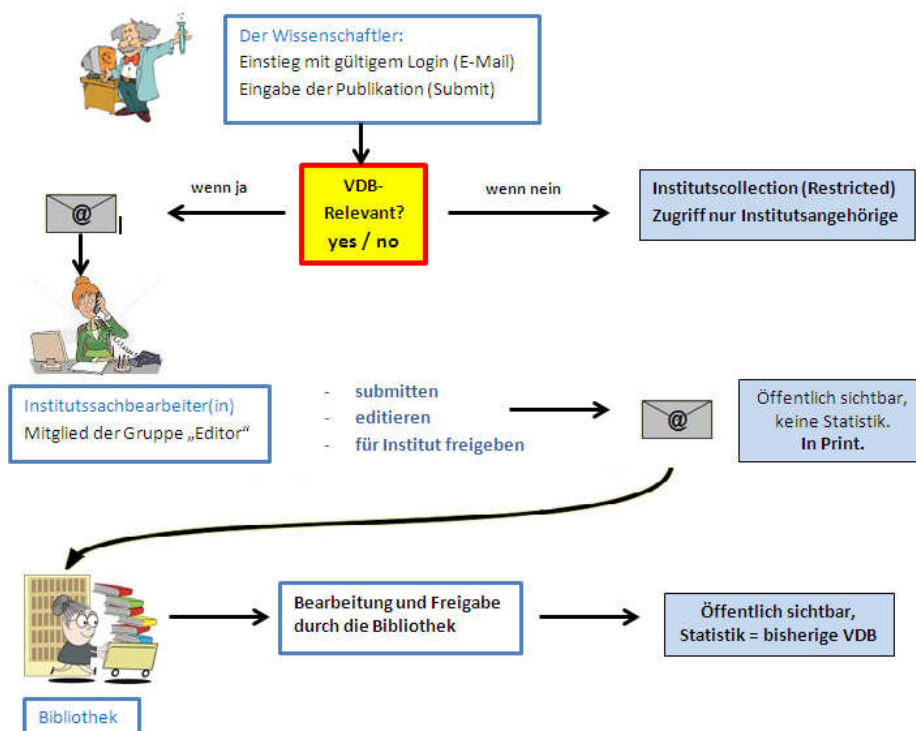
JOIN² can hold documents **beyond own publications**

- > **webbased** literature management
- > document **exchange** at the institutes
- > **centralized collection** of papers
- > **easy export** to formatting tools (BibTeX, EndNote, RIS)
- > commenting (individual and in group)
- > support **CV pages** (needs author identification)

- > Institute collections require proper login
- > Non-VDB relevant items do **not** show up on the webpage
- > it is **private** to the institute/group



Three step Workflow



Thanks to H. Lexis



Submit New Record - PUBDB - Vimperator (Private Browsing)

Submit New Record - PUBDB

Import data ⓘ e.g. DOI, arXiv, PUBMED... **Relevant for Reporting *** ⓘ ☒ yes ☐ no

Group(s) directly involved * ⓘ

L: Bibliothek und Dokumentation x

Select or type in name, shortcut (e.g. ATLAS, FS-PE, MK)

POF III: Topic/Research Theme/Facility * ⓘ

899 - ohne Topic (POF III: 2014 - 2019) x

Select from list or type ID, Name of POF-Topic...

Beamline/Experiment/Facility * ⓘ

No specific instrument (NOSPEC) x

e.g. REGAE

Grant name / Proposal No. ⓘ

899 - ohne Topic (POF III: 2014 - 2019) x

JOIN² - Just anOther INvenio INstance (2010-01-01 -) x

e.g. EU project, FS proposal number (e.g. I-20120768)

Author(s) / Contributor(s) * ⓘ

Wagner, alexander -> Wagner, Alexander (DESY / L|L) Author x

Start typing lastname and select...

Title * ⓘ

JOIN² -- What it is and what it does:

$$\ell^+ \ell^- \rightarrow \tau_L^+ \tau_R^-$$

Title preview:
 JOIN² -- What it is and what it does: $\ell^+ \ell^- \rightarrow \tau_L^+ \tau_R^-$

Institution * ⓘ Privatuniversität Witten/Herdecke

Type of Talk ⓘ

Invited

Publication Year * ⓘ 2016 **Date** ⓘ 2016-03-22 **Language** ⓘ English

Event name ⓘ e.g. Seminar

INSERT https://bib-pubdb1.desy.de/submit?startPg=1&sub=58Italk&ln=en&doctype=talk...b-pubdb1.desy.de/submit?ln=en&access=1457948883_52826act=58I&indir=running < [1/1] 25%

Import

- > DOI: insert doi or dx.doi.org-url (e. g. 10.1016/j.physletb.2006.11.038)
- > pubmed : copy as displayed (e. g. PMID: 20923669)

Journal Article

Import data ⓘ **VDB Relevant** →

Institute(s) ⓘ

Grant Name ⓘ

this import

Import data:

Ultra-precision engineering: from physics to manufacturing / Jiang, X. J. ; Philosophical transactions of the Royal Society of London / A 370 3831 - 3834 ; London : Soc., 2012 ; 10.1098/rsta.2012.0178 ;

Import **Discard**

Duplicate entries

Import data:

Architecture and organizational principles of Broca's region / Amunts, Katrin ; Trends in cognitive sciences 16 418 - 426 ; Amsterdam [u.a.] : Elsevier Science, 2012 ; 10.1016/j.tics.2012.06.005 ;

Potential duplicate record(s):

- [130491](#)

[Import](#) [Discard](#)

At [import via doi, pmid, arXiv...](#)

- > identify potential duplicates
- > refuse import
- > show links to the potential dupes



E. g. DOI Import

Submit New Record - PUBDB - Vimperator (Private Browsing)

Group(s) directly involved *

Select or type in name, shortcut (e.g. ATLAS, FS-PE, MK)

POF III: Topic/Research Theme/Facility *

Select from list or type ID, Name of POF-Topic...

Grant name / Proposal No. *

e.g. EU project, FS proposal number (e.g. I-20120768)

Author(s) / Contributor(s) *

Chen, Yi-Jen -> Chen, Yi-Jen (DESY, CFEL / FS-CFEL-3) Author
Pabst, Stefan -> Pabst, Stefan (>Extern / HASYLAB|HAS-User) Author
Karamatskou, Antonia -> Karamatskou, Antonia (DESY, CFEL / FS-CFEL-3) Author
Santra, Robin -> Santra, Robin (DESY, CFEL / FS-CFEL-3) Author

Beamline/Experiment/Facility *

Any Light Particle Search (ALPS I/II)
CNGS: OPERA (OPERA)
Cherenkov Telescope Array (CTA)
DESY NanoLab: Microscopy (NanoLab-04)
DESY NanoLab: Sample Preparation (NanoLab-01)
DESY NanoLab: Surface Spectroscopy (NanoLab-02)
DESY NanoLab: X-Ray Diffraction (NanoLab-03)

Title *

Theoretical characterization of the xenon giant dipole resonance

Title preview:

Theoretical characterization of the collective resonance states underlying the xenon giant dipole resonance

Journal * Journal of physics / Conference Series

DOI 10.1088/1742-6596/635/9/092046

Volume * 635 **Issue** 9 **Pages *** 092046 -

Title of Special Issue **ISBN of Special Issue**

Publication Year * 2015 **Language** Click to select...

Most red fields are filled in already!

INSERT https://bib-pubdb1.desy.de/submit?startPg=1&sub=SBI&journal=de&doctype=j--pubdb1.desy.de/submit?ln=en&access=1457949483_52826act=SBI&indir=running < [1/1] 28%



Part III: Going for the ²



Requirements for Partners

JOIN² is a GNU based **community** project

1 Institutional:

- wish, to join and be a **partner**
- will, to contribute and adopt (*we will find something suitable...*)
- based upon GNU public licence v2 or later

2 Technical:

- run own server (*Linux, FreeBSD*)
- install locally
- migrate old system (*if necessary*)
- git:  **GitHub**, issue tracking
- python
- CSS (*or a webdesigner at hand*)
- JavaScript, HTML, XML (*helpful*)



Challenge

same code, consistent on different instances

- > git: `invenio` ()
 - base system
- > git: `join2` ( , currently private)
 - our additions and patches
 - setup routines for roll-out (e. g. collections, rolles, doctypes...)
- > git: `join2-privat` (centrally kept at DESY)
 - instances configs
 - non-publicly shareable code



InstallInvenio

InstallInvenio

sets up the whole instance at each partner in the proper layout including all global (JOIN²) and local configs

- > assumes an **INVENIO**-ready server (dependencies, database exists)
- > sets up from scratch or to a given point
- > compiles and installs **INVENIO**-src
- > applies JOIN²-patches and configs
- > applies global and local customizations
- > procedures based upon GUI functionality
- > no need to mouse click in the GUI
- > enables disaster recovery
- > allows setup of an identical test environment



Local Adoptions

JOIN² will offer help to do it

- > Hook up with local login system
- > Generate local authority records (people, grants, institutes)
- > Adopt CSS to reflect local requirements



People behind JOIN²

- | | | |
|-----------------------------------|-------------------------------------|----------------------------------|
| > Dagmar Sitek ^a | > Bernhard Mittermaier ^g | > Ulrike Eich ⁱ |
| > Gudrun Friedburg ^a | > Torsten Bronger ^g | > Louai Barake ⁱ |
| > Martin Köhler ^b | > Claudia Frick ^g | > Corinna Brückener ⁱ |
| > Zaven Akopov ^{b,j,1} | > Anna Fründ ^g | > Abdoulaye Diallo ⁱ |
| > Tomasz Pazera ^{b,1} | > Christoph Holzke ^g | > Roland Rappmann ⁱ |
| > Robert Thiele ^b | > Heike Lexis ^g | > Dominik Schmitz ⁱ |
| > Alexander Wagner ^{g,b} | > Cornelia Plott ^g | > Edmund Wollgarten ⁱ |
| > Katrin Große ^d | > Jürgen Neuhaus ^h | |
| > Stefan Hesselbach ^e | > Connie Hesse ^h | |
| > Andrea Ciocchetti ^f | > Björn Pedersen ^h | |
| | > Jörg Pulz ^h | |

^a DKFZ Central Library, ^b DESY Central Library, ^c Project Inspire, ^d GSI Library, ^e GSI Core IT, ^f DZNE Library, ^g Forschungszentrum Jülich, Central Library, ^h MLZ Garching, ⁱ RWTH Aachen, University Library, ^j European XFEL, ¹ (retired)

plus a little help from our friends

CERN Library, CERN IT, iNSPIRE



Thank you!



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