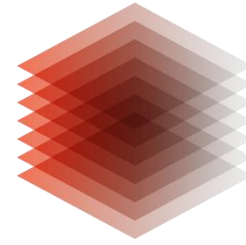

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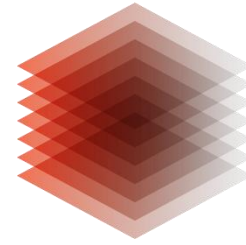
VIVO-Entwicklungen an der TIB

Qazi Asim Ijaz Ahmad, Graham Triggs, Tatiana Walther
Hannover, 18. September 2018
3. VIVO Workshop 2018

Agenda

- 1. Internationalisierung**
- 2. VIVO 2018 Reporting**
- 3. Advanced Role Management**
- 4. User Action Tracking**

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Internationalisierung

Tatiana Walther

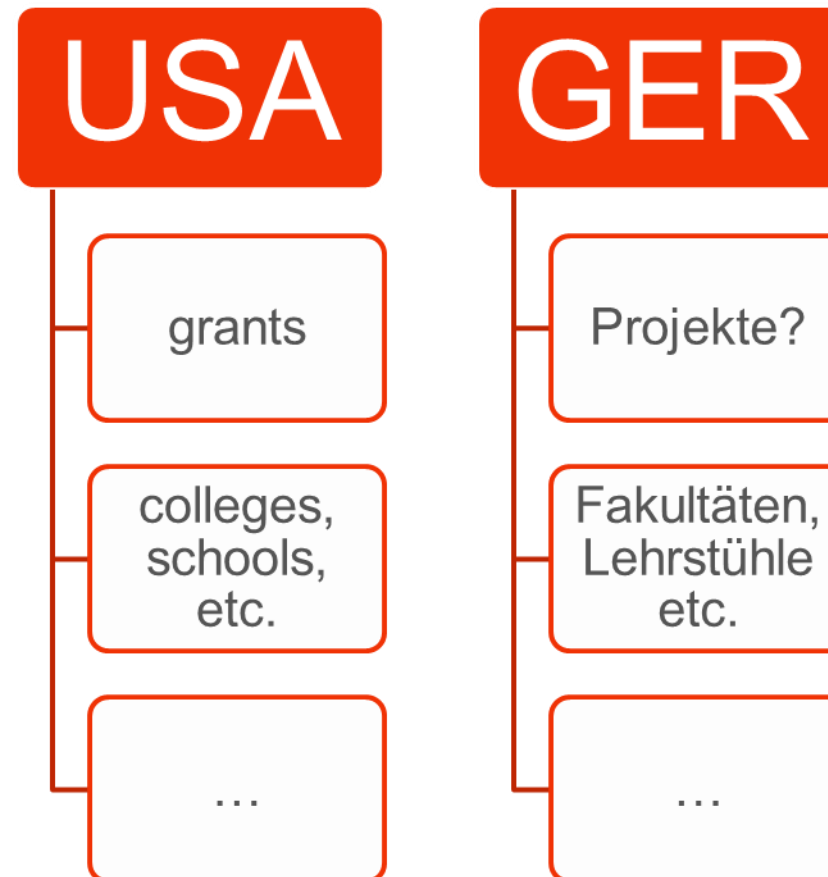
Internationalisierung

- Deutsche VIVO-Übersetzung – seit ca. 2014 und bis heute
- Beteiligte Einrichtungen: OSL/TIB; Hochschule Hannover (HSH); Europa-Universität Viadrina, Frankfurt (Oder); Technische Universität Dresden (TU Dresden)
- VIVO German Language Project - <https://github.com/VIVO-DE/VIVO-languages>

Internationalisierung - VIVO auf deutsch – nicht so einfach!

- Herausforderungen:

Nicht alle deutsche Begriffe haben ein eindeutiges Äquivalent in der englischen Sprache und / oder in dem US-Amerikanischen Wissenschaftskontext!



Internationalisierung - VIVO auf deutsch – nicht so einfach!

- Weitere Herausforderungen:
 - Technische Architektur von VIVO / Vitro
 - Pluralbildung von Nomen und ggf. Adjektiven

DE	EN
-e, -el, -en, -er, -s + Ausnahmen	-s + Ausnahmen

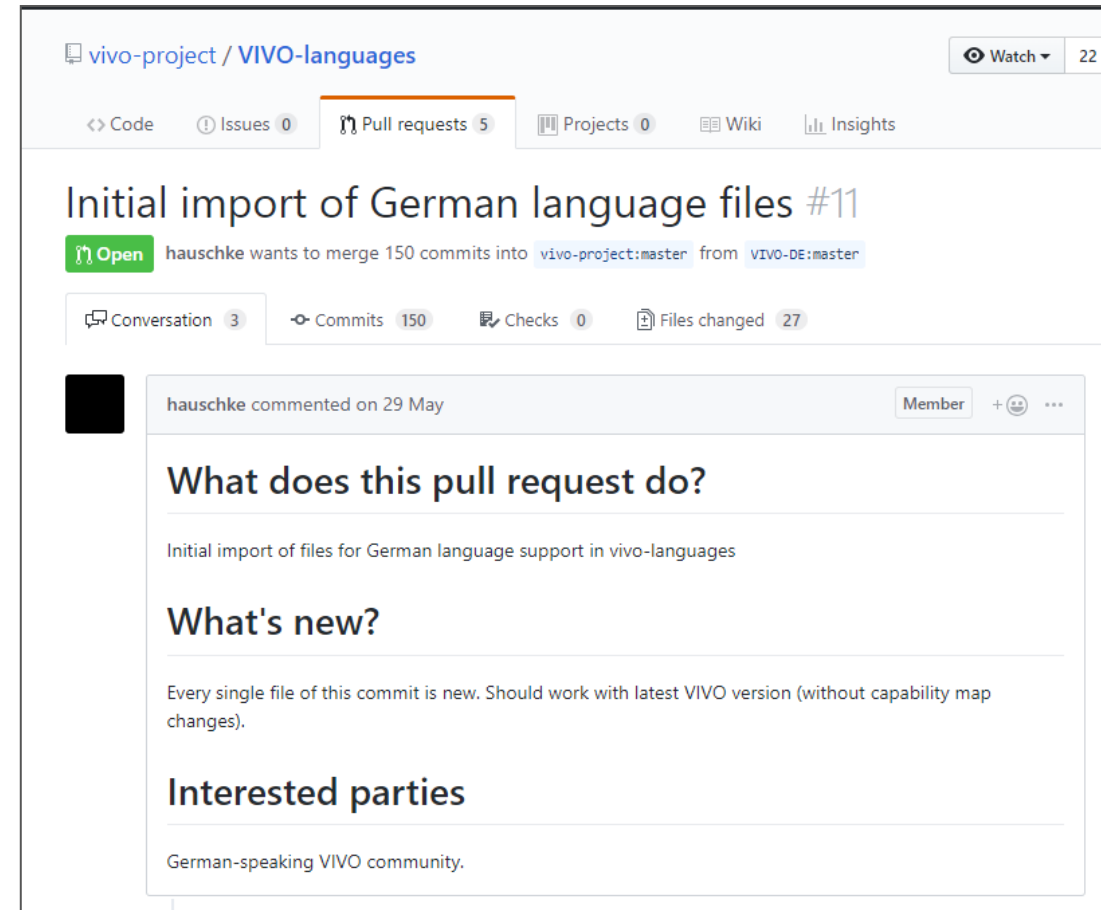


Internationalisierung – Internationale Bestrebungen

- **VIVO i18n task force**
 - Ziel: vollständig internationalisiertes VIVO für verschiedene Sprachversionen
 - Aufgaben (Jira-Tickets unter <https://jira.duraspace.org/browse/VIVO-1569>)...
- **Multilanguage Support Sprint (17.09-28.09.2018)**
 - Code – Suche und Extraktion von Fragmenten ohne Übersetzung
 - Übersetzung in DE / FR / ...
 - Verbesserung der Dokumentation
 - Verbesserung der Usability

Internationalisierung – Ergebnisse und Weiterentwicklung

- Neue Deutsche Sprach-Dateien für die neue VIVO-Version (1.10) – Pull Request an das VIVO-Projekt (<https://github.com/vivo-project/VIVO-languages/pull/11>) - zurzeit im Review
- Neustrukturierung der Language-Verzeichnisse auf GitHub
 - Jedes Top-Level-Verzeichnis – eine Version von VIVO
 - Zweite Ebene - Dateien für eine bestimmte Sprache für diese Version

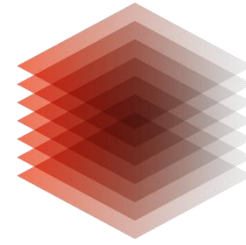


The screenshot shows a GitHub pull request page for the repository 'vivo-project / VIVO-languages'. The pull request is titled 'Initial import of German language files #11' and is authored by 'hauschke'. It shows 150 commits and 27 files changed. The pull request is currently in a 'Review' state. The main content of the pull request is a comment from 'hauschke' dated 29 May, which asks 'What does this pull request do?' and 'What's new?'. The comment provides details about the initial import of files for German language support and mentions that every file in the commit is new and should work with the latest VIVO version. It also lists 'Interested parties' as the 'German-speaking VIVO community'.

Internationalisierung – Ergebnisse und Weiterentwicklung

- VIVO Demo (<https://vivo.tib.eu/demo/>) – die aktuelle Sprachversion
- Vieles ist deutlich besser, aber **noch nicht** perfekt!
- Deshalb -> Sammlung der Auffälligkeiten in der Übersetzung unter <https://docs.google.com/document/d/1IFoe1z5PUMYLmRrWRPxB5ivDkTI97KomEGvTc-5b8VY/edit>
- Ihre Beteiligung ist willkommen!

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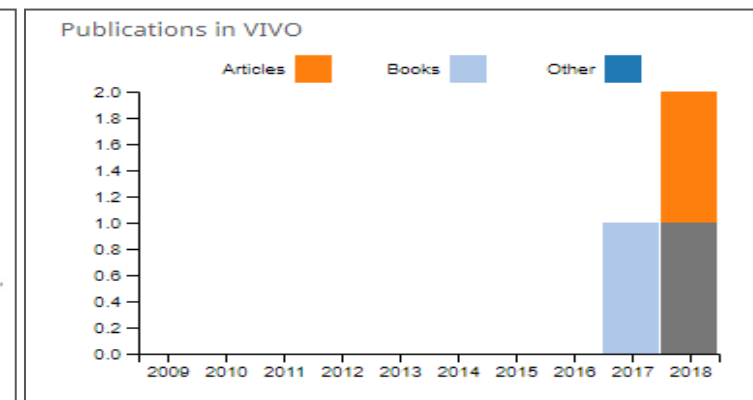
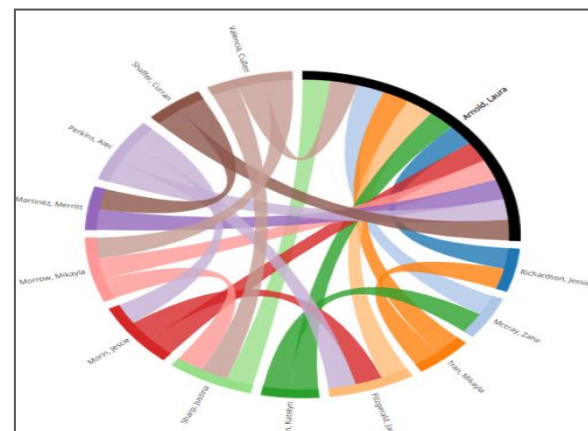
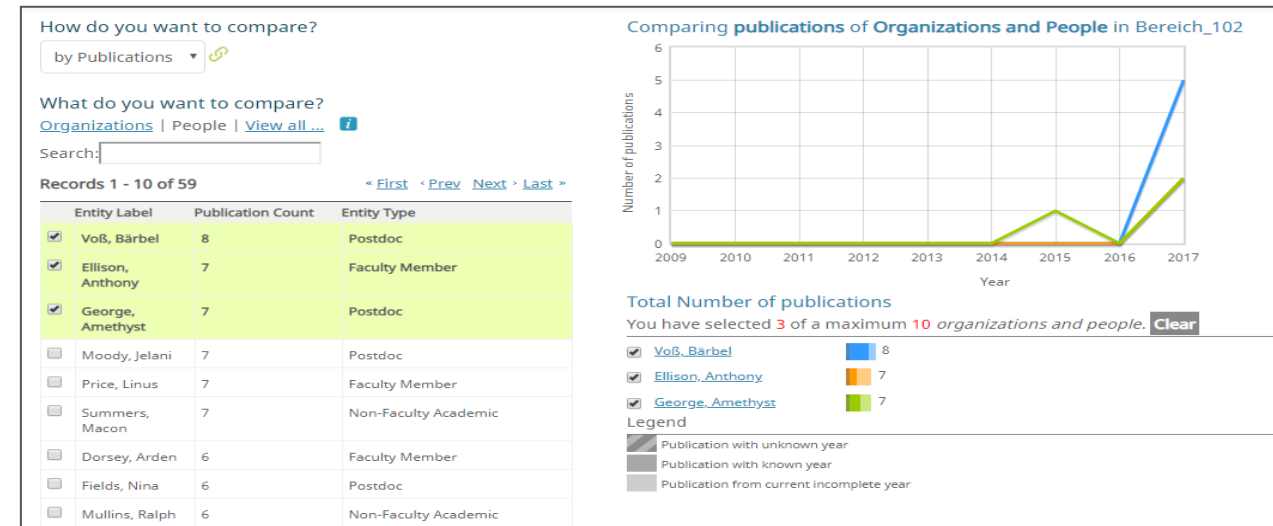
VIVO 2018

Reporting

Qazi Asim Ijaz Ahmad

Reporting in VIVO

- Temporal Graph
- Publications in VIVO
- Co-Author Network
- Co-Investigator Network
- Capability Map
- SPARQL Query (Advanced Data Management Tools)
- Basic reporting via SPARQL queries

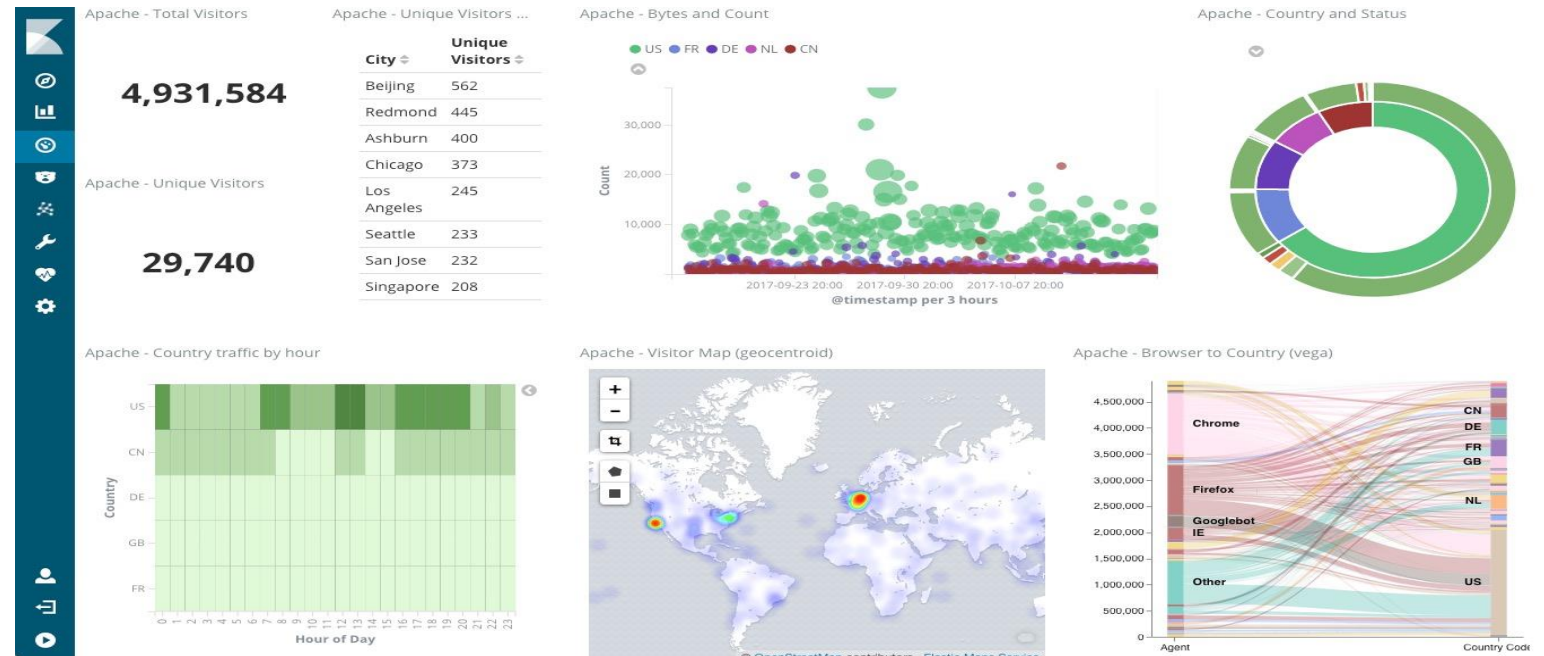


Kibana

- Open source data analytics and search dashboard for Elasticsearch

- Capabilities:

- Searching
- Analytics
- Visualization
- Monitoring
- Alerts

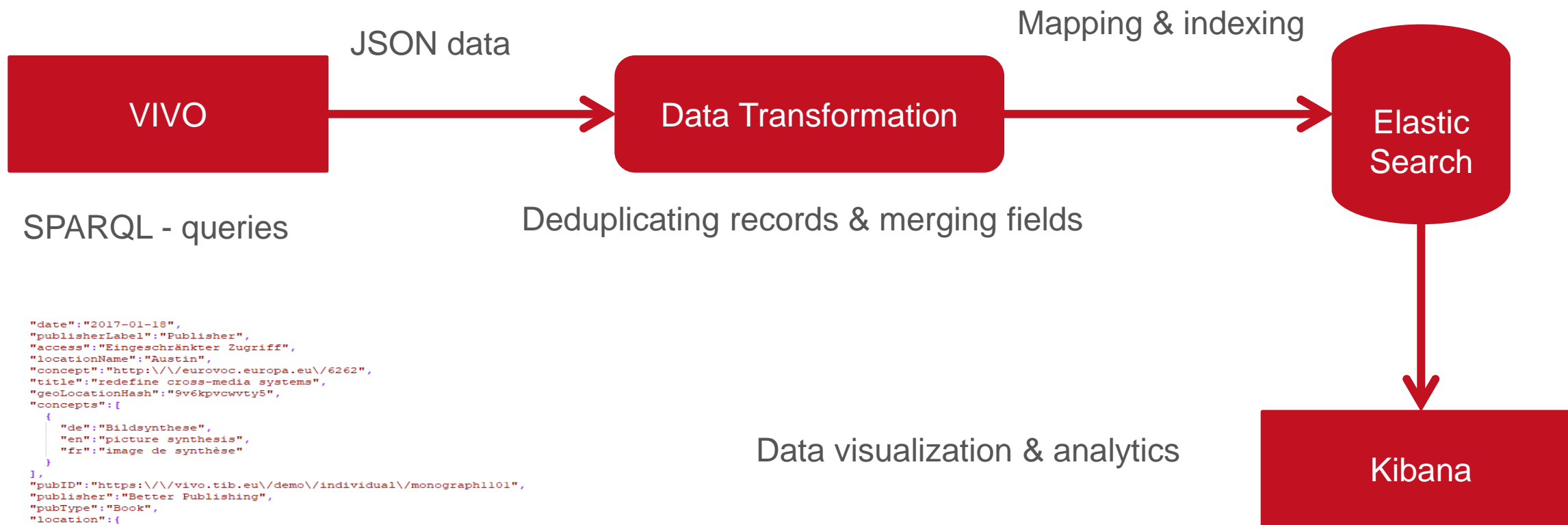


Why Kibana?

Out-of-the-box data analytics and visualization features
 Setup different dashboards within seconds



VIVO to Kibana



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    "en": "picture synthesis",
    "fr": "image de synthèse"
  }
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"pubType": "Book",
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  "lat": 30.26715
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  },
  {
    "author": "Harris, William"
  },
  {
    "author": "Meyer, Wang"
  }
]
  
```

Prototype Dashboard



Date/Time Control



Dashboard / VIVO workshop

Full screen Share Clone Edit Reporting Auto-refresh January 1st 2014, 00:00:00.000 to January 1st 2019, 00:00:00.000

Search... (e.g. status:200 AND extension:PHP) Options

Add a filter +

Vivoworkshop Controls

Publication Type
Select...

Access Type
Select...

Clear form Cancel changes Apply changes

Number of Publications -VivoWorkshop

331
Publications

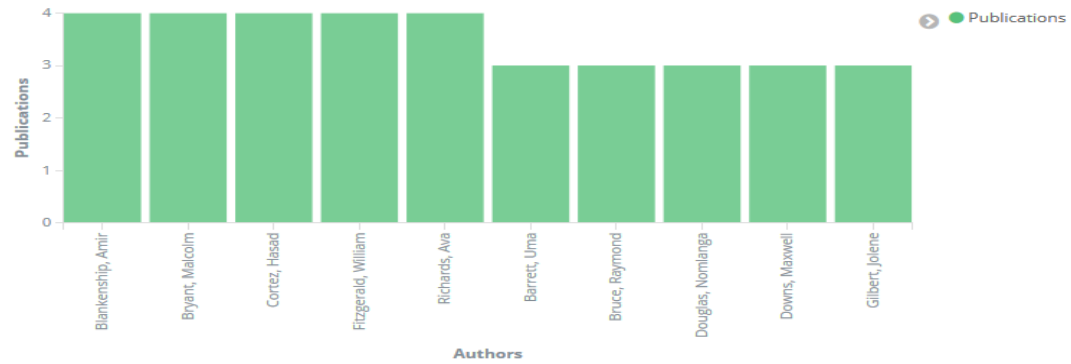
English concepts - vivoworkshop

general mechanical engineering
textile machine gerontology
national economy surgery wood industry
impact of information technology
adult education industrial chemistry marriage rate
toxicology research policy arable land
telematics plant propagation picture synthesis mining industry
computer systems epidemiology
cycle and motorcycle industry

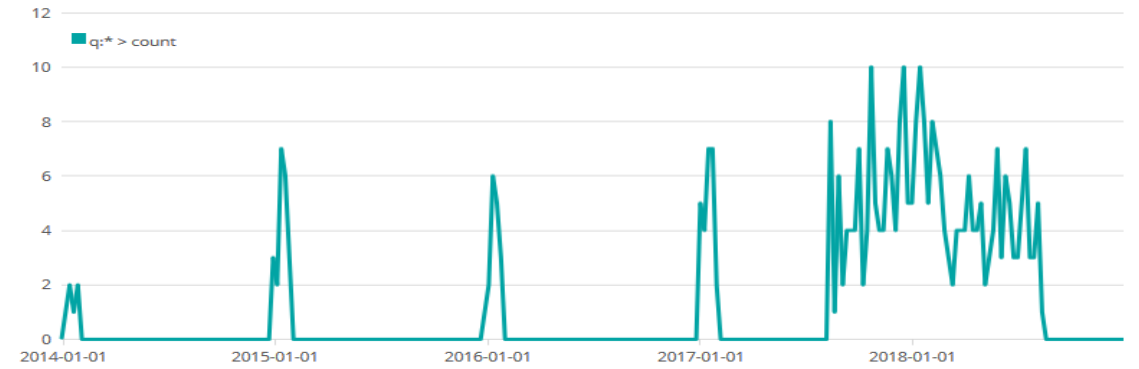
Concepts - English

Prototype Dashboard

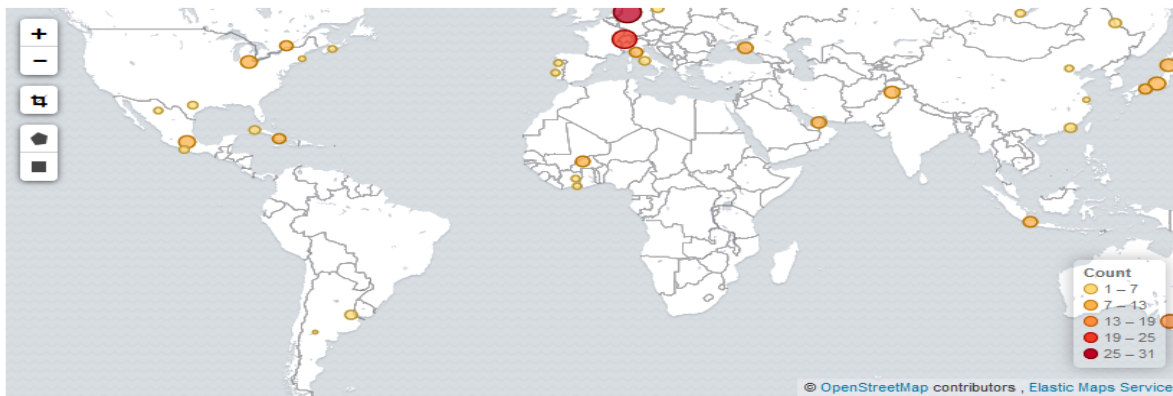
Top Authors - Vivo Workshop



Time of Publications - Vivo Workshop



Publications Location - Vivo Workshop



Type of Publishers - VivoWorkshop

Publishers	Publications
Scholarly Something	22
Publication Press	16
Better Publishing	12
Literally Anything Press	10
Éditeur de Science	9

Prototype Dashboard



Dashboard / VIVO workshop

Full screen Share Clone Edit Reporting Auto-refresh January 1st 2014, 00:00:00.000 to January 1st 2019, 00:00:00.000

Search... (e.g. status:200 AND extension:PHP) Options

Add a filter +

Vivoworkshop Controls

Publication Type

Select...

Academic Article

Book

Edited Book

Clear form Cancel changes Apply changes

English concepts - vivoworkshop

general mechanical engineering

textile machine gerontology

national economy surgery wood industry

impact of information technology

adult education industrial chemistry marriage rate

toxicology research policy arable land

telematics plant propagation picture synthesis mining industry

computer systems epidemiology

cycle and motorcycle industry

331 Publications

Number of Publications -VivoWorkshop

Concepts - English

Prototype Dashboard

Dashboard / VIVO workshop Full screen Share Clone Edit Reporting Auto-refresh January 1st 2014, 00:00:00.000 to January 1st 2019, 00:00:00.000

Search... (e.g. status:200 AND extension:PHP) Options

pubType.keyword: "Academic Article" Actions

Vivoworkshop Controls

Publication Type

Academic Article

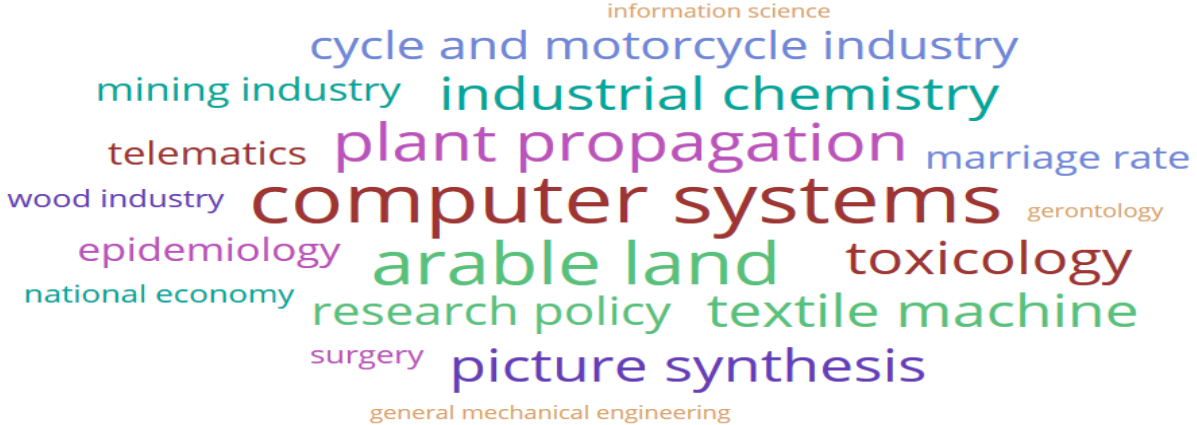
Access Type

Select...

Clear form Cancel changes Apply changes

English concepts - vivoworkshop

The container is too small to display the entire cloud. Tags might be cropped or omitted.



information science
 cycle and motorcycle industry
 mining industry industrial chemistry
 telematics plant propagation marriage rate
 wood industry computer systems gerontology
 epidemiology arable land toxicology
 national economy research policy textile machine
 surgery picture synthesis
 general mechanical engineering

Concepts - English


Number of Publications -VivoWorkshop

252

Publications

Prototype Dashboard

Dashboard / VIVO workshop Full screen Share Clone Edit Reporting Auto-refresh < January 1st 2014, 00:00:00.000 to January 1st 2019, 00:00:00.000 >

Search... (e.g. status:200 AND extension:PHP) Options 

concepts.en.keyword: "computer systems" Add a filter + Actions >

Vivoworkshop Controls

Publication Type
Select...

Access Type
Select...

Number of Publications -VivoWorkshop

16

Publications

English concepts - vivoworkshop

computer systems

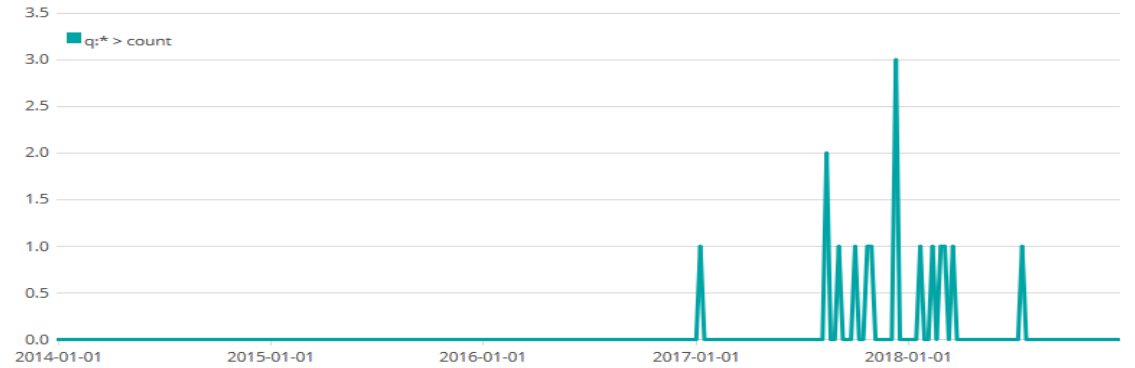
Concepts - English

Prototype Dashboard

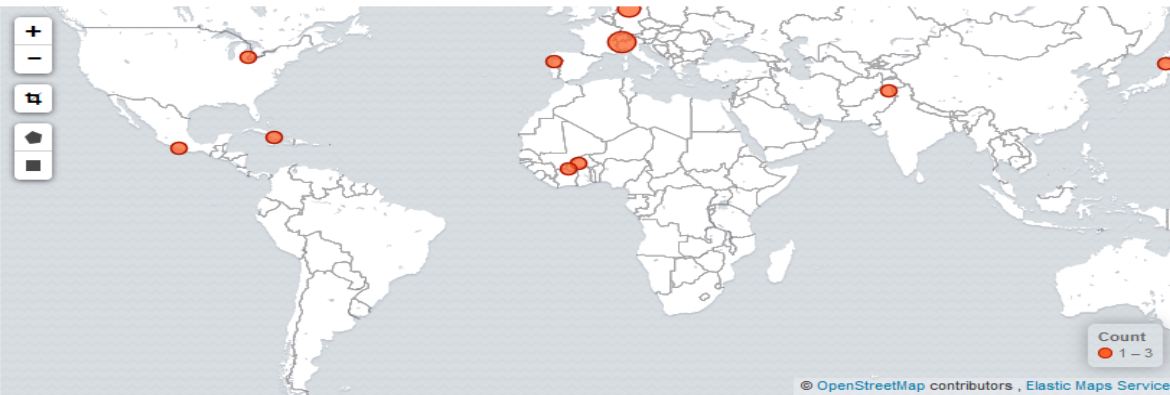
Top Authors - Vivo Workshop



Time of Publications - Vivo Workshop



Publications Location - Vivo Workshop



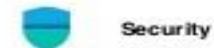
Type of Publishers - VivoWorkshop

Publishers	Publications
Éditeur de Science	1

Kibana In Production

Kibana is open source **but...**

Features like **role management, alerts and notifications** are not free.



Security



Alerting



Monitoring



Reporting

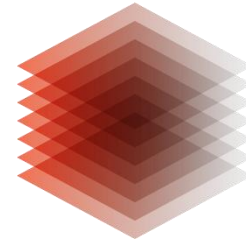


Graph

Alternative:

Embed Kibana dashboards in VIVO and use VIVO's **Advanced Role Management/Permissions** to set access to different dashboards.

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Advanced Role Management

Graham Triggs

Current Authorisation

— Externaly authenticated only

Roles *

Site Admin

Curator

Editor

Self Editor

Reset password

Note: Instructions for resetting the password will be emailed to th

Display level

all users, including public ▼

all users, including public

self-editor and above

editor and above

curator and above

site admin and root user

root user

Vitro/VIVO has a limited set of roles

- Inherited rights (root > admin > editor > public)
- Difficult to add roles
 - E.g. Can't have editors for different types of content
- Highlighted as important at workshop last year

Roles vs Permissions

— External Authentication only

Roles *

- Site Admin
- Curator
- Editor
- Self Editor

Reset password

Note: Instructions for resetting the password will be emailed to tlf

```
auth:EDITOR
  a auth:PermissionSet ;
  rdfs:label "Editor" ;

# role-based permissions for EDITOR
auth:hasPermission displayByRole:Editor ;
auth:hasPermission editByRole:Editor ;
auth:hasPermission publishByRole:Editor ;

# permissions for EDITOR and above.
auth:hasPermission simplePermission:DoBackEndl
```

Roles in “User Accounts” come from Permission Sets

Able to create new PermissionSets

Most SimplePermission can be configured

- e.g. EditOwnAccount, SeeSiteAdminPage

Display/Edit/Publish have “role” permissions

- Hardcoded in application

Classes/Properties are “open” by default

- Restrictions are added
- Uses the hardcoded roles

Advanced Role Management

- Site Admin
- Curator
- Editor
- Publication Editor
- Self Editor

- Reset password

Display permissions for this property

- Site Admin Curator Editor Self Editor Public

Update permissions for this property

- Site Admin Curator Editor Self Editor Public

Publish permissions for this property

- Site Admin Curator Editor Self Editor Public

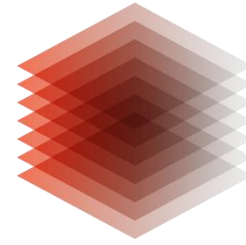
Remove hardcoded roles

Display/Edit/Update to be configurable per PermissionSet

Permissions are granted, not revoked

All configuration now in accounts graph
(was split between display and accounts)

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User Action Tracking

Graham Triggs

Edits Lose Information

Currently, changes are made directly to the content store

Do not know

- Who made changes
- What they changed
- When they changed it

User Tracking / Audit Module

Configurable in applicationSetup.n3

Adds Listener to Content Store

- Notified of any changes made via the UI

Configurable storage

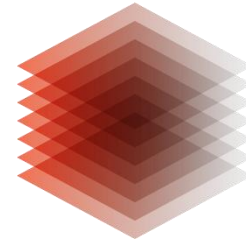
- Plain File System
 - Write only, human readable
- Triple Store
 - Can be queried, displayed in UI

Tracked Actions UI

Changes made by Graham Triggs

Pos	Date	Changes
1	8/22/2018 11:15 am	<p>Graph: http://vitro.mannlib.cornell.edu/default/vitro-kb-2</p> <p>Added:</p> <pre><http://vivo.mydomain.edu/individual/n624> <http://purl.obolibrary.org/obo/ARG_2000028> <http://vivo.mydomain.edu/individual/n1305> . <http://vivo.mydomain.edu/individual/n1305> <http://www.w3.org/2006/vcard/ns#hasTelephone> <http://vivo.mydomain.edu/individual/n1472> . <http://vivo.mydomain.edu/individual/n1305> <http://purl.obolibrary.org/obo/ARG_2000029> <http://vivo.mydomain.edu/individual/n624> . <http://vivo.mydomain.edu/individual/n1305> <http://www.w3.org/1999/02/22-rdf-syntax-ns#type> <http://www.w3.org/2006/vcard/ns#Individual> . <http://vivo.mydomain.edu/individual/n1472> <http://www.w3.org/2006/vcard/ns#telephone> "00000" . <http://vivo.mydomain.edu/individual/n1472> <http://www.w3.org/1999/02/22-rdf-syntax-ns#type> <http://www.w3.org/2006/vcard/ns#Telephone> .</pre> <p>Removed:</p>
2	8/22/2018 11:14 am	<p>Graph: http://vitro.mannlib.cornell.edu/default/vitro-kb-2</p> <p>Added:</p> <pre><http://vivo.mydomain.edu/individual/n624> <http://vivoweb.org/ontology/core#eRACommonsId> "ERA" .</pre> <p>Removed:</p>
3	8/22/2018 11:14 am	<p>Graph: http://vitro.mannlib.cornell.edu/default/vitro-kb-2</p> <p>Added:</p> <pre><http://vivo.mydomain.edu/individual/n624> <http://vivoweb.org/ontology/core#researcherId> "ISI ID" .</pre> <p>Removed:</p>
4	8/22/2018 11:14 am	<p>Graph: http://vitro.mannlib.cornell.edu/default/vitro-kb-2</p>

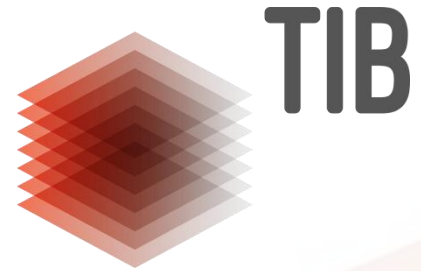
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Vielen Dank fürs Zuhören!

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www.tib.eu

Kontaktdaten

Qazi Asim Ijaz Ahmad, Graham Triggs, Tatiana Walther
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TIB, Hannover



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