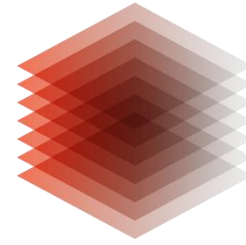


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**TIB**

## **VIVO-Entwicklungen an der TIB**

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

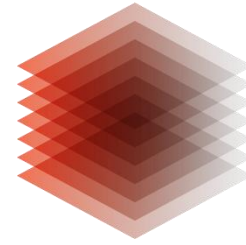
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## **Agenda**

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

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**TIB**

# 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 |

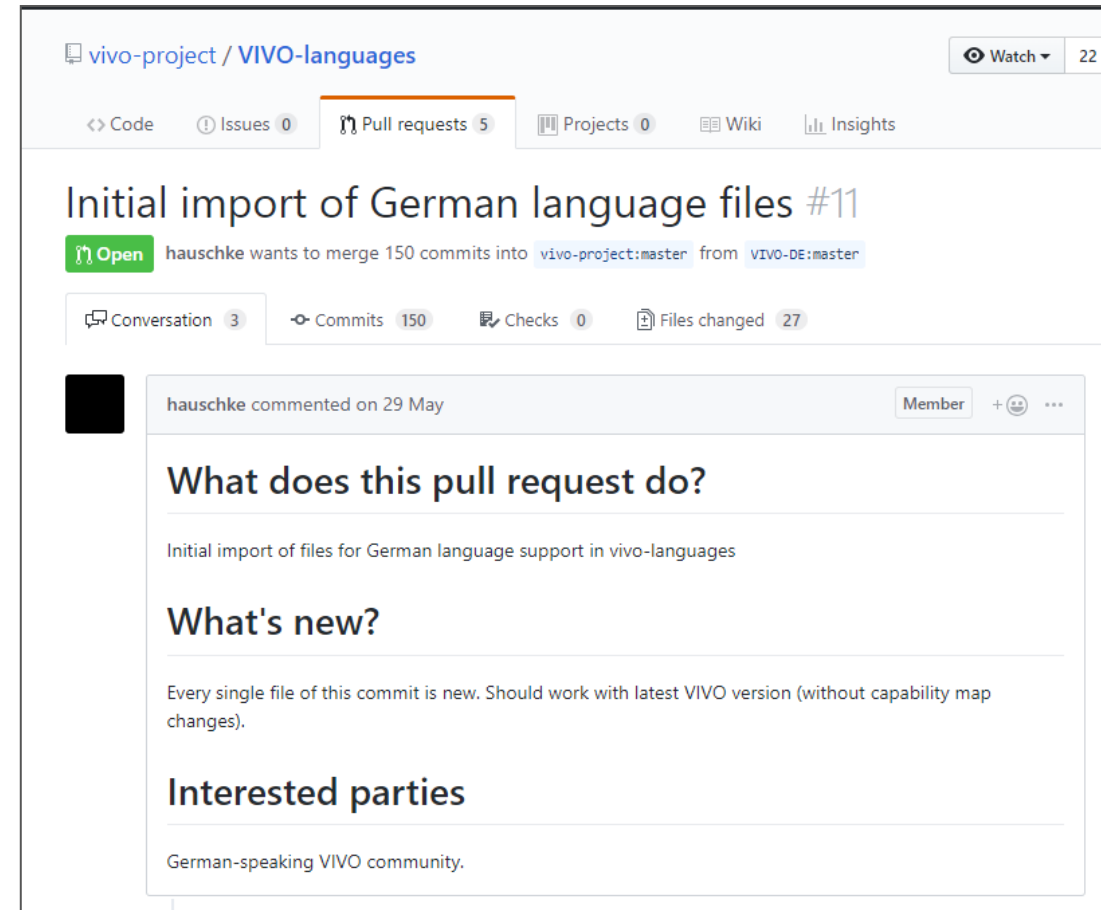


## Internationalisierung – Internationale Bestrebungen

- **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



vivo-project / VIVO-languages

Code Issues 0 Pull requests 5 Projects 0 Wiki Insights

Initial import of German language files #11

hauschke wants to merge 150 commits into vivo-project:master from VIVO-DE:master

Conversation 3 Commits 150 Checks 0 Files changed 27

hauschke commented on 29 May

**What does this pull request do?**

Initial import of files for German language support in vivo-languages

**What's new?**

Every single file of this commit is new. Should work with latest VIVO version (without capability map changes).

**Interested parties**

German-speaking VIVO community.

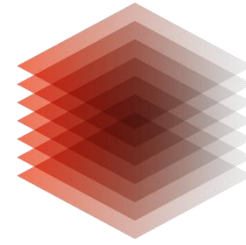


## Internationalisierung – Ergebnisse und Weiterentwicklung

- 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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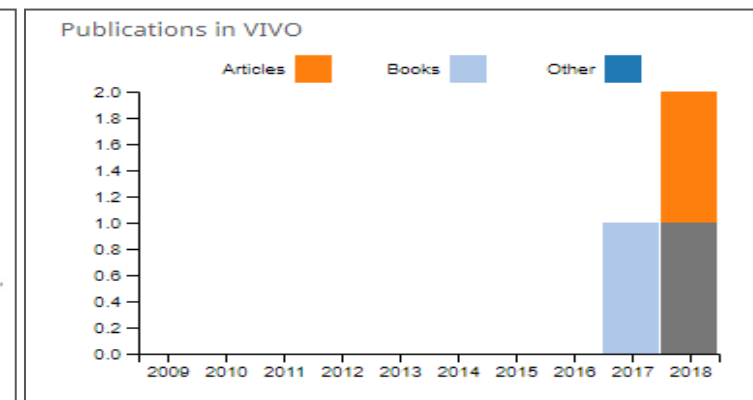
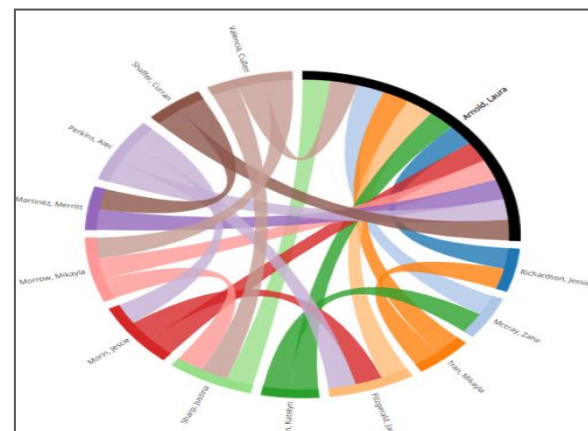
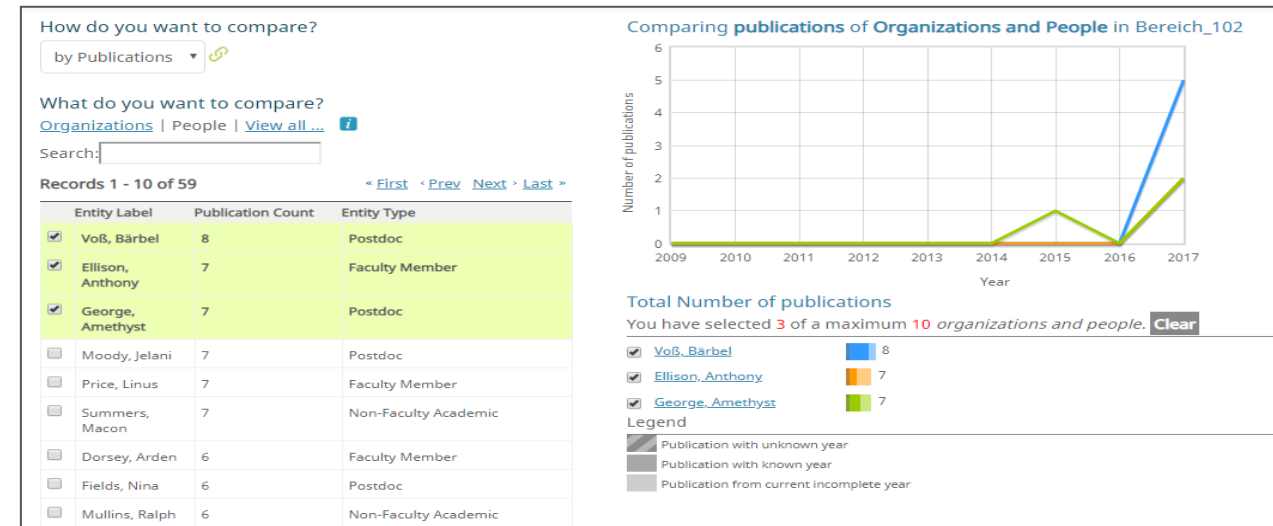
# **VIVO 2018**

## **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

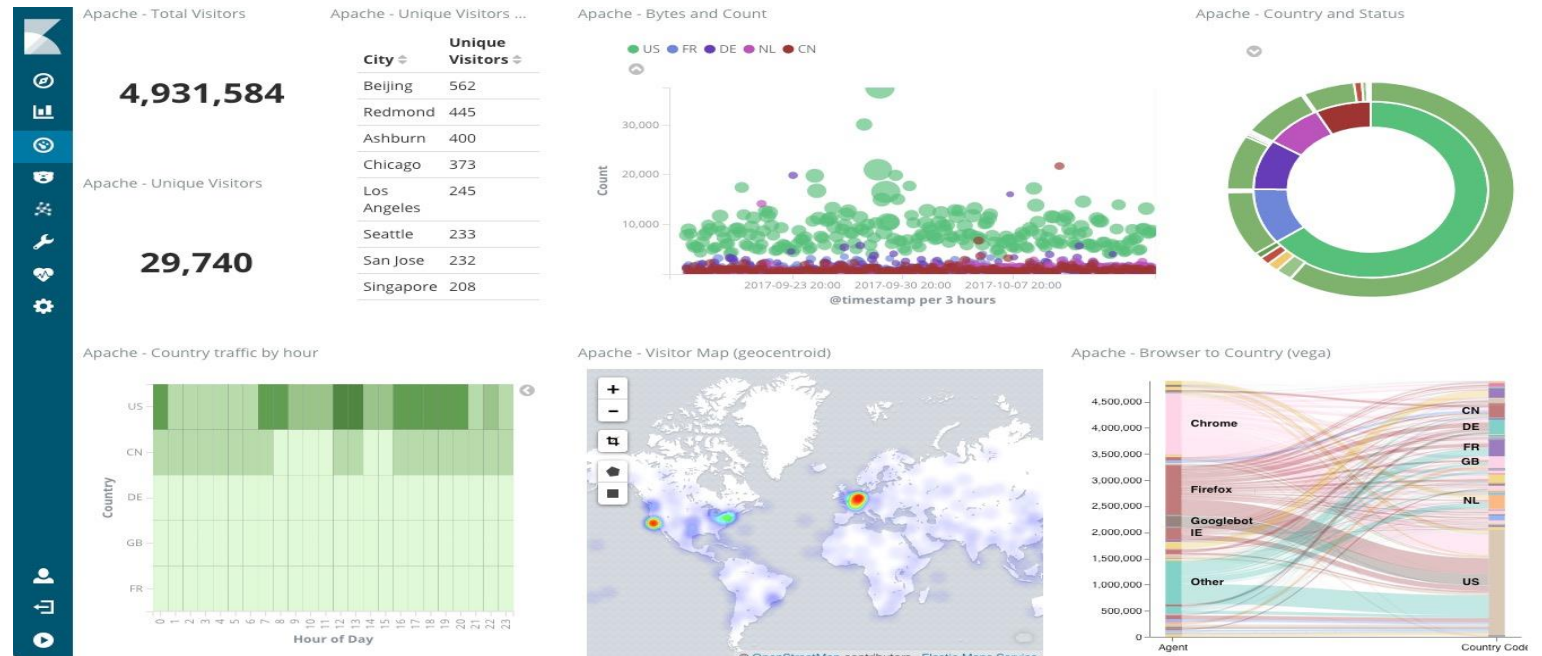


# Kibana

- Open source data analytics and search dashboard for Elasticsearch

- Capabilities:

- Searching
- Analytics
- Visualization
- Monitoring
- Alerts

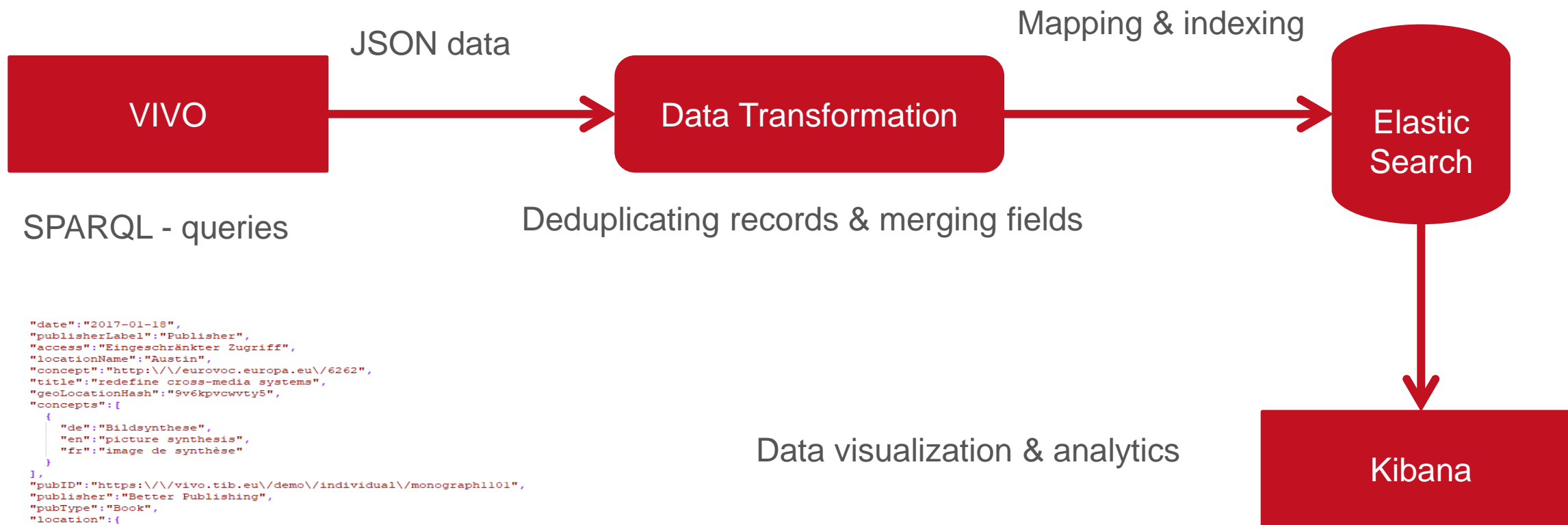


## Why Kibana?

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



# VIVO to Kibana



```

"date": "2017-01-18",
"publisherLabel": "Publisher",
"access": "Eingeschränkter Zugriff",
"locationName": "Austin",
"concept": "http://eurovoc.europa.eu/6262",
"title": "redefine cross-media systems",
"geoLocationHash": "9v6kpvwvty5",
"concepts": [
  {
    "de": "Bildsynthese",
    "en": "picture synthesis",
    "fr": "image de synthèse"
  }
],
"pubID": "https://vivo.tib.eu/demo/individual/monograph1101",
"publisher": "Better Publishing",
"pubType": "Book",
"location": {
  "lon": -97.74306,
  "lat": 30.26715
},
"status": "peer reviewed",
"authors": [
  {
    "author": "Hayden, Irene"
  },
  {
    "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

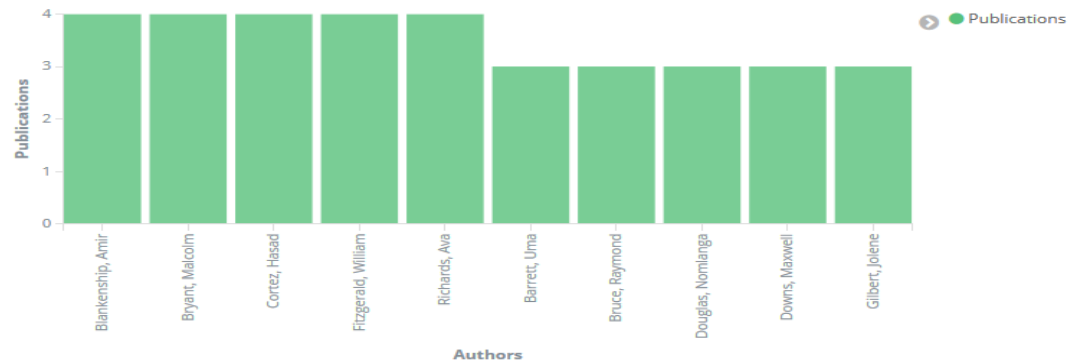
**331**  
Publications

English concepts - vivoworkshop

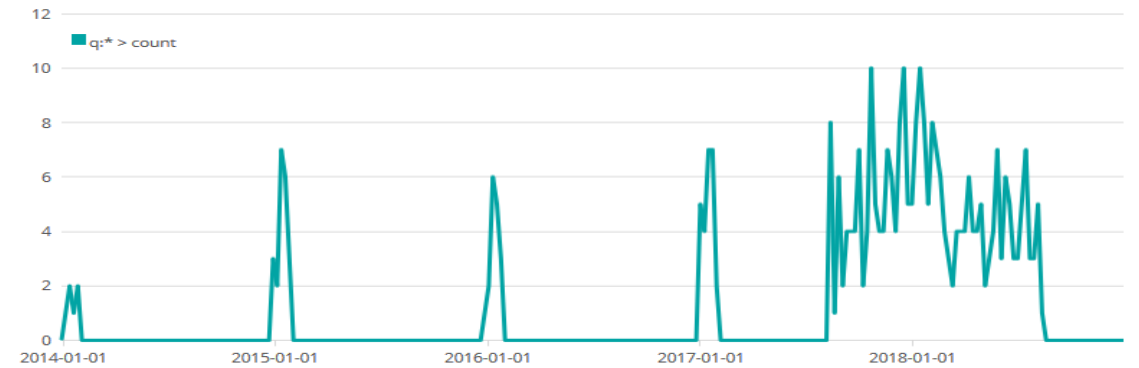
Concepts - English

# Prototype Dashboard

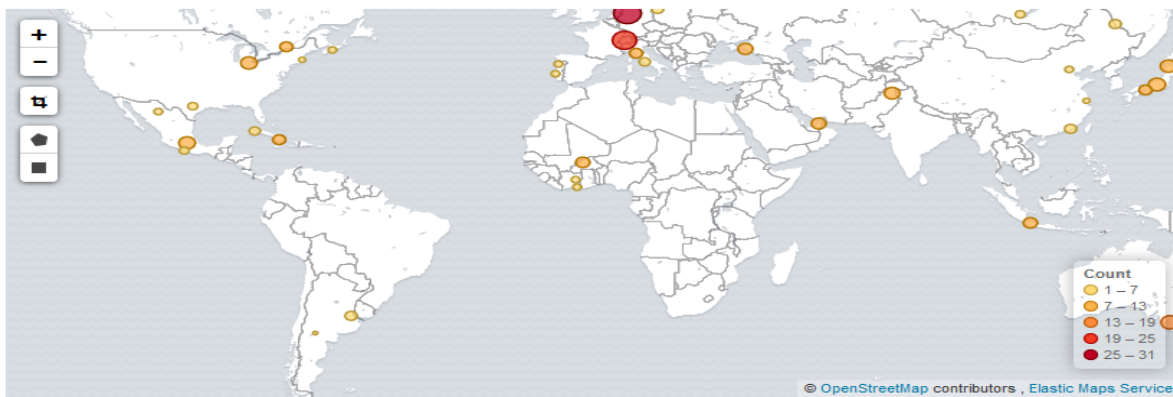
Top Authors - Vivo Workshop



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" Add a filter + Actions

Vivoworkshop Controls

**Publication Type**

Academic Article

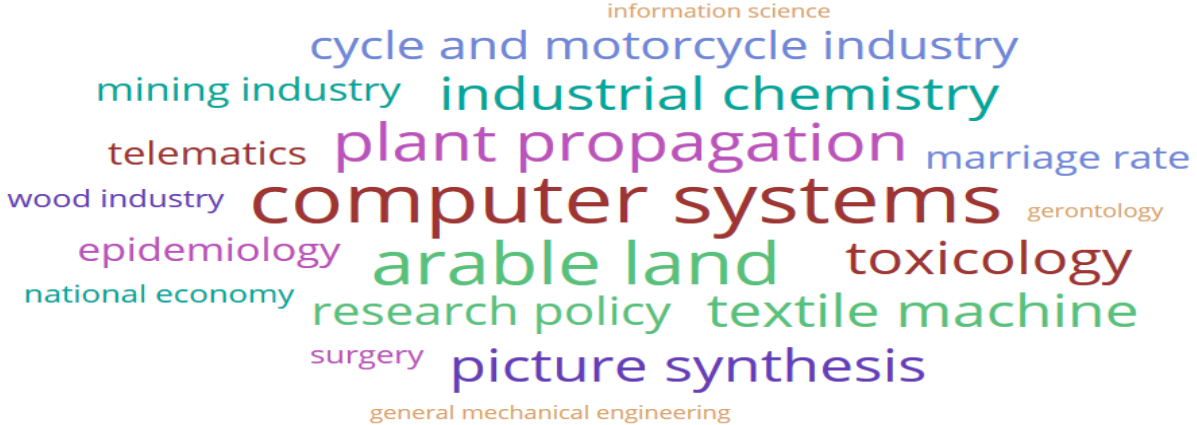
**Access Type**

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.



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...

Clear form Cancel changes Apply changes

English concepts - vivoworkshop

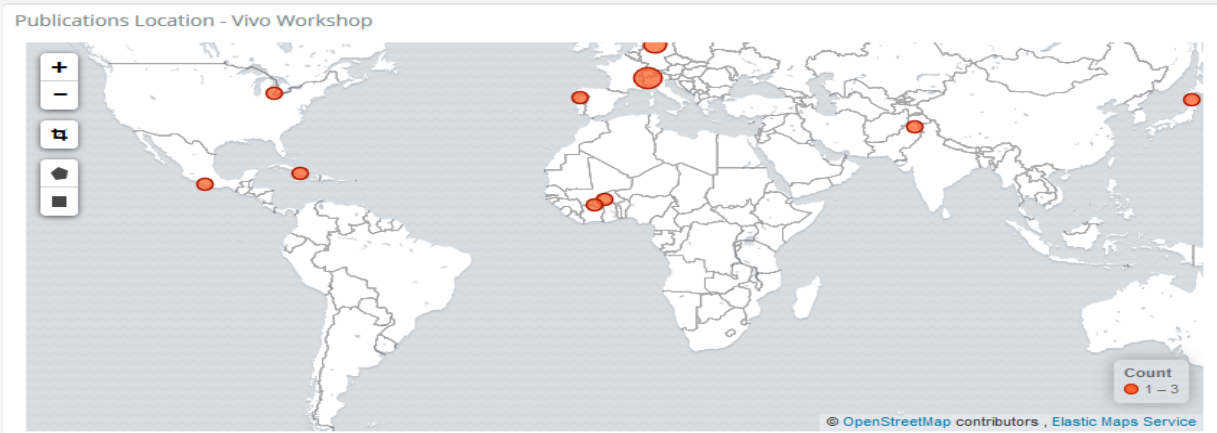
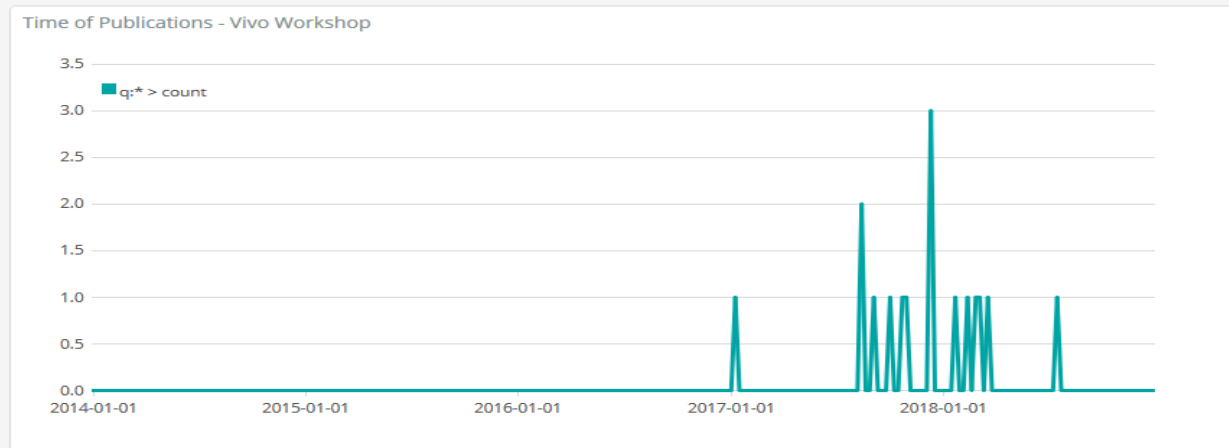
computer systems

Number of Publications -VivoWorkshop

16  
Publications

Concepts - English

# Prototype Dashboard



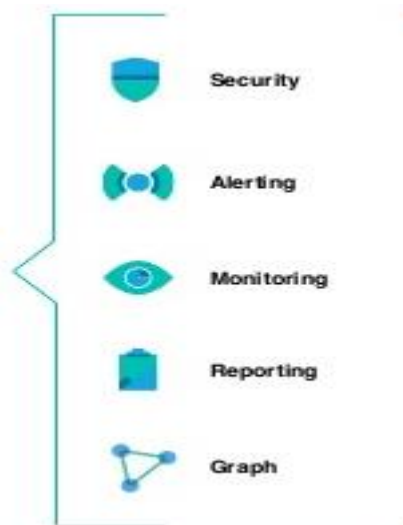
### Type of Publishers - VivoWorkshop

| Publishers         | Publications |
|--------------------|--------------|
| Éditeur de Science | 1            |
|                    |              |
|                    |              |
|                    |              |
|                    |              |
|                    |              |
|                    |              |
|                    |              |
|                    |              |
|                    |              |
|                    |              |

## Kibana In Production

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

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

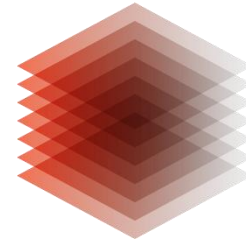


### Alternative:

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 user

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 th

```
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

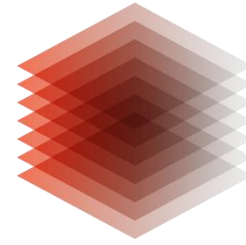
Permissions are granted, not revoked

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

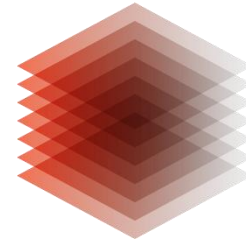
# Tracked Actions UI

## Changes made by Graham Triggs

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

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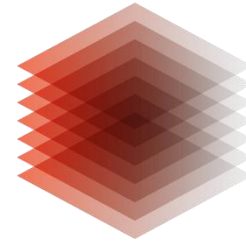
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**Vielen Dank fürs Zuhören!**

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## MEHR INFORMATIONEN

[www.tib.eu](http://www.tib.eu)

### Kontaktdaten

Qazi Asim Ijaz Ahmad, Graham Triggs, Tatiana Walther  
3. VIVO-Workshop 2018, 17.09.2018  
TIB, Hannover



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