

Towards a shared vision for open scholarly communication: the Vienna Principles and the Jussieu Call

Open-Access-Tage 2018, Session 4: Appel de Jussieu für offene Wissenschaft und Bibliodiversität

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A few words about myself

Founder and chairman of Open Knowledge Maps

PhD on Visualizing Scholarly Communication on the Web at
University of Graz

Former Senior Researcher on Open Science at Know-Center, Graz
University of Technology

Core team member of OANA & Chair of the WGs on Open Access
and Scholarly Communication

Open Science Network Austria (OANA)

Founded as a joint activity of the Austrian Science Fund (FWF) & Universities Austria (UNIKO)

60 members (universities, research centers, funding agencies, policy makers, networks)

Output: Proposals, Guidelines & Recommendations for Open Science, e.g.

“Recommendations for the Transition to Open Access in Austria”:

<https://zenodo.org/record/34079>



Scope & Definitions

By *scholarly communication* we mean the processes of **producing, reviewing, organising, disseminating** and **preserving** scholarly knowledge.¹

Scholarly communication does not only concern researchers, but also society at large, especially students, educators, policy makers, public administrators, funders, librarians, journalists, practitioners, publishers, public and private organisations, and interested citizens.

¹ Based on the definition found in Wikipedia:
http://en.wikipedia.org/wiki/Scholarly_communication

Working Group Members Year 1 - 2015/16



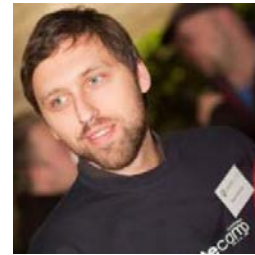
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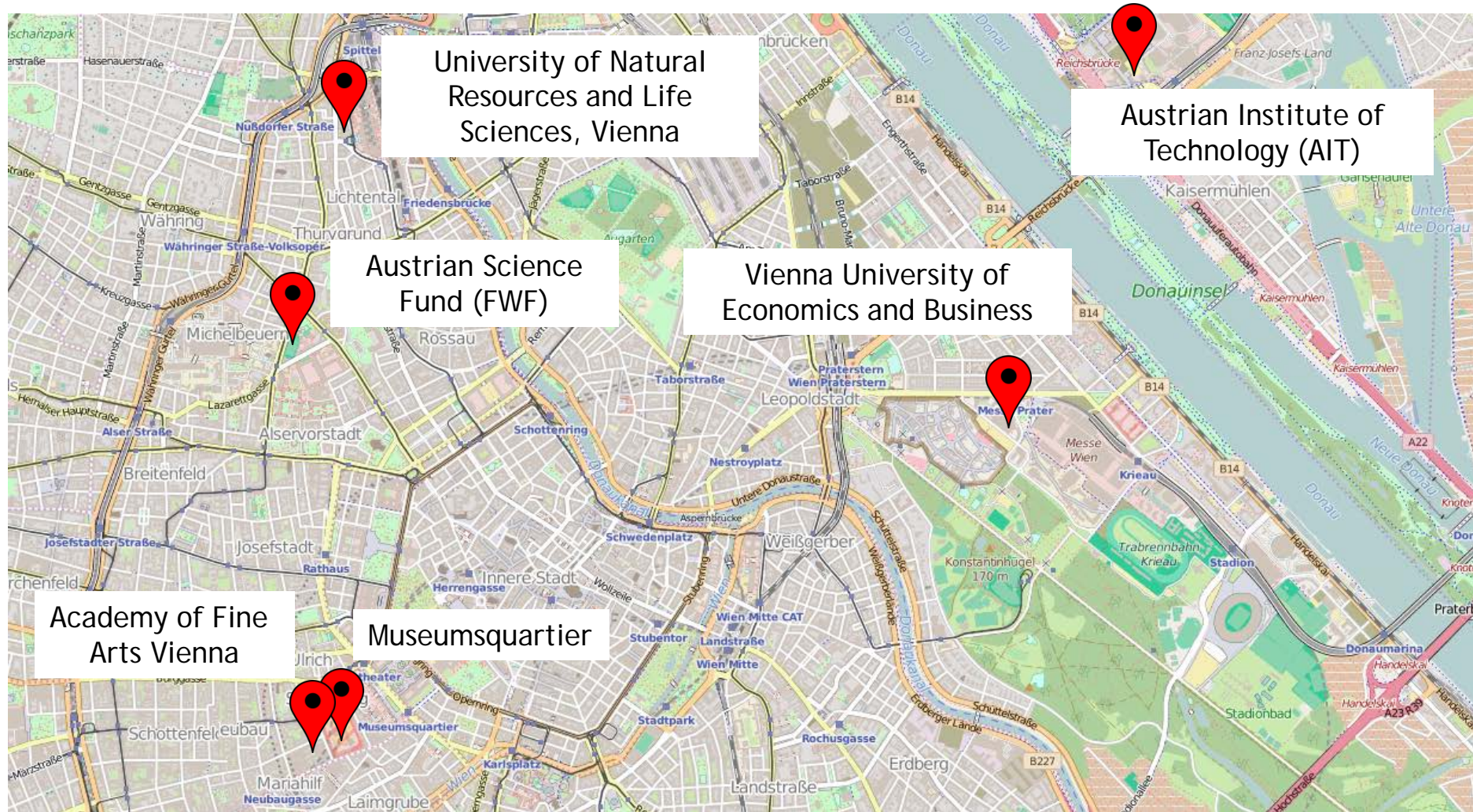
Premise

There are considerable deficits in how scientific knowledge is produced and disseminated.


Open Science has the potential to change the workings of the scholarly communication system, **but we see openness as a means to an end.**

Openness has to be grounded in a set of widely shared principles to ensure a coherent vision for scholarly communication → **This vision is lacking**

Work Programme



Vienna

A stylized atom icon with a central nucleus and three elliptical orbits, enclosed within a red speech bubble shape that points towards the word 'PRINCIPLES'.

PRINCIPLES

a vision for scholarly communication

- | | | |
|-------------------|---------------------|-----------------------|
| 1 Accessibility | 5 Transparency | 9 Evaluation |
| 2 Discoverability | 6 Understandability | 10 Validated Progress |
| 3 Reusability | 7 Collaboration | 11 Innovation |
| 4 Reproducibility | 8 Quality Assurance | 12 Public Good |

<http://viennaprinciples.org/>

Principles

Scholarly communication should ...

1. **Accessibility**: ... *be immediately and openly accessible by anyone.*
2. **Discoverability**: ... *facilitate search, exploration and discovery.*
3. **Reusability**: ... *enable everyone to effectively build on top of each other's work.*

Principles

Scholarly communication should ...

4. **Reproducibility**: ... *provide reproducible research results.*
5. **Transparency**: ... *provide open and transparent means for judging the credibility of a research result.*
6. **Understandability**: ... *provide research in a clear, concise and understandable way adjusted to different stakeholders.*

Principles

Scholarly communication should ...

7. **Collaboration:** ... *foster collaboration and participation between researchers and their stakeholders.*
8. **Quality Assurance:** ... *provide transparent and competent review.*
9. **Evaluation:** ... *support fair evaluation.*

Principles

Scholarly communication should ...

- 10. Validated Progress:** ... *promote both the production of new knowledge and the validation of existing knowledge.*
- 11. Innovation:** ... *embrace the possibilities of new technology.*
- 12. Public Good:** ... *increase the knowledge commons.*

Feedback/Reception

> Public ▾

Annotations **58**

143

See more details

- Blogged by 3
- Tweeted by 153
- On 9 Facebook pages
- Mentioned in 6 Google+ posts
- 16 readers on Mendeley
- 2 readers on CiteULike

Robert Beezer Jun 17

★ Very interesting.

Definitely a few where we can help immediately:

#12, scholarly communication is a public good

And a few we should keep in mind:

#2, scholarly communication should facilitate search

(we still need document-wide search on HTML, but recent refactoring is going to help with that)

- show quoted text -

Neel Smith @neelsmithhc [Follow](#) ▾

In Austria, they're articulating the big issues in scholarly communication admirably clearly: viennaprinciples.org

10:13 PM - 20 Jun 2016

STI Updates

◀ 前へ 次へ ▶

欧州：OANAのワーキンググループ、「ウィーン原則：21世紀の学術コミュニケーションのビジョン」を発表

2016年06月28日 | ヨーロッパ

オープンアクセスネットワークオーストリア(OANA)の「オープンアクセスと学術コミュニケーション」ワーキンググループはこのたび、「[Vienna Principles: A Vision for Scholarly Communication in the 21st Century](#)」(試訳: [ウィーン原則: 21世紀の学術コミュニケーションのビジョン](#))第1版を発表した。

OANAは、オーストリア科学財団(FWF)とオーストリアの公立大学団体UNIKOの共同事業として2012年に設立された団体で、オーストリアでのオープンアクセス(OA)実現に向けて活動している。

このたび発表された12の原則は、ワーキンググループの1年以上にわたる議論を経て作成され、将来の学術コミュニケーションの基礎を示すものである。

[ページトップへ](#)



Feedback/Reception



Figure 4. Some important scholarly communication charters (see Table 2 for list with characteristics)

Source: Bosman, J., Bruno, I., Chapman, C., Greshake Tzovaras, B., Jacobs, N., Kramer, B., ... Veksler, L. (2017, September 15). The Scholarly Commons - principles and practices to guide research communication OSF Preprints. September 15. doi:10.31219/osf.io/6c2xt.

Working Group Members Year 2 - 2016/17

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Katharina Rieck
Georg Schinko
Bernhard Schubert
Dominik Sedivy
Elena Šimukovic
Sabine Trattler
Michela Vignoli
Celine Wawruschka

+ further members in the online discussion group

Lead: Peter Kraker & Katja Mayer

Focus Areas Year 2

Vienna Principles 2.0

- Consolidation of feedback
- Outreach and collaboration

Putting the Vienna Principles into Action

- “Flipping Buddies” - Action Group
- Citizen Science
- Repositories
- Skepticism in AHSS

Results: <http://oana.at>

Jussieu Call & Vienna Principles

Differences

- Call vs Principles
- Born out of different observations
- Different foci

Similarities

- Same understanding of openness
- Both do not name actors
- No immediate conflicting principles → complementary efforts

Jussieu Call & Vienna Principles

Coverage of principles

1. Accessibility (3 & 6)	7. Collaboration
2. Discoverability	8. Quality Assurance (3)
3. Reusability	9. Evaluation (4)
4. Reproducibility	10. Validated Progress
5. Transparency	11. Innovation (2, 3 & 6)
6. Understandability	12. Public Good (5, 7 & 8)

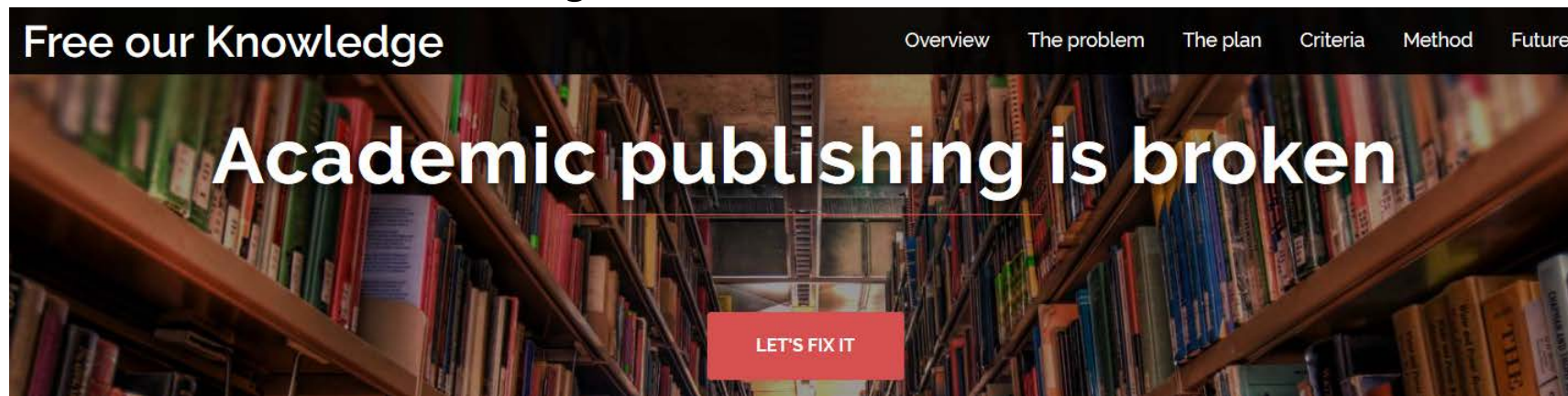
Potential additional principles

- Diversity (1)
- Funding (8)

Next Steps

Plan S?

A Coordinated Boycott?



A new communication system based on nonprofit actors?

Joint Roadmap for Open Science Tools

A community working on a joint roadmap for open science tools.



Thank you for your attention!

Vienna PRINCIPLES

a vision for scholarly communication

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