

# The Vienna Principles: A Vision for Scholarly Communication

Peter Kraker, Know-Center  
& Open Knowledge AT



This content is published under  
[Creative Commons Attribution 4.0 International](https://creativecommons.org/licenses/by/4.0/)



# Open Access Network Austria (OANA)

Joint activity of the Austrian Science Fund (FWF) and 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>



Rich Savage, CC BY 2.0

# Scope & Definitions

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

**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.

<sup>1</sup> Based on the definition found in Wikipedia:  
[http://en.wikipedia.org/wiki/Scholarly\\_communication](http://en.wikipedia.org/wiki/Scholarly_communication)

# Working Group Members



Peter Kraker  
(Lead)



Daniel Dörler



Andreas Ferus



Robert Gutounig



Florian Heigl



Christian Kaier



Katharina Rieck



Elena Šimukovič



Michela Vignoli

Contributors: Edeltraud Aspöck, Sebastian Dennerlein,  
Asura Enkhbayar, Gerda McNeill, Nora Schmidt,  
Gregor Steinrisser-Alex, Eveline Wandl-Vogt

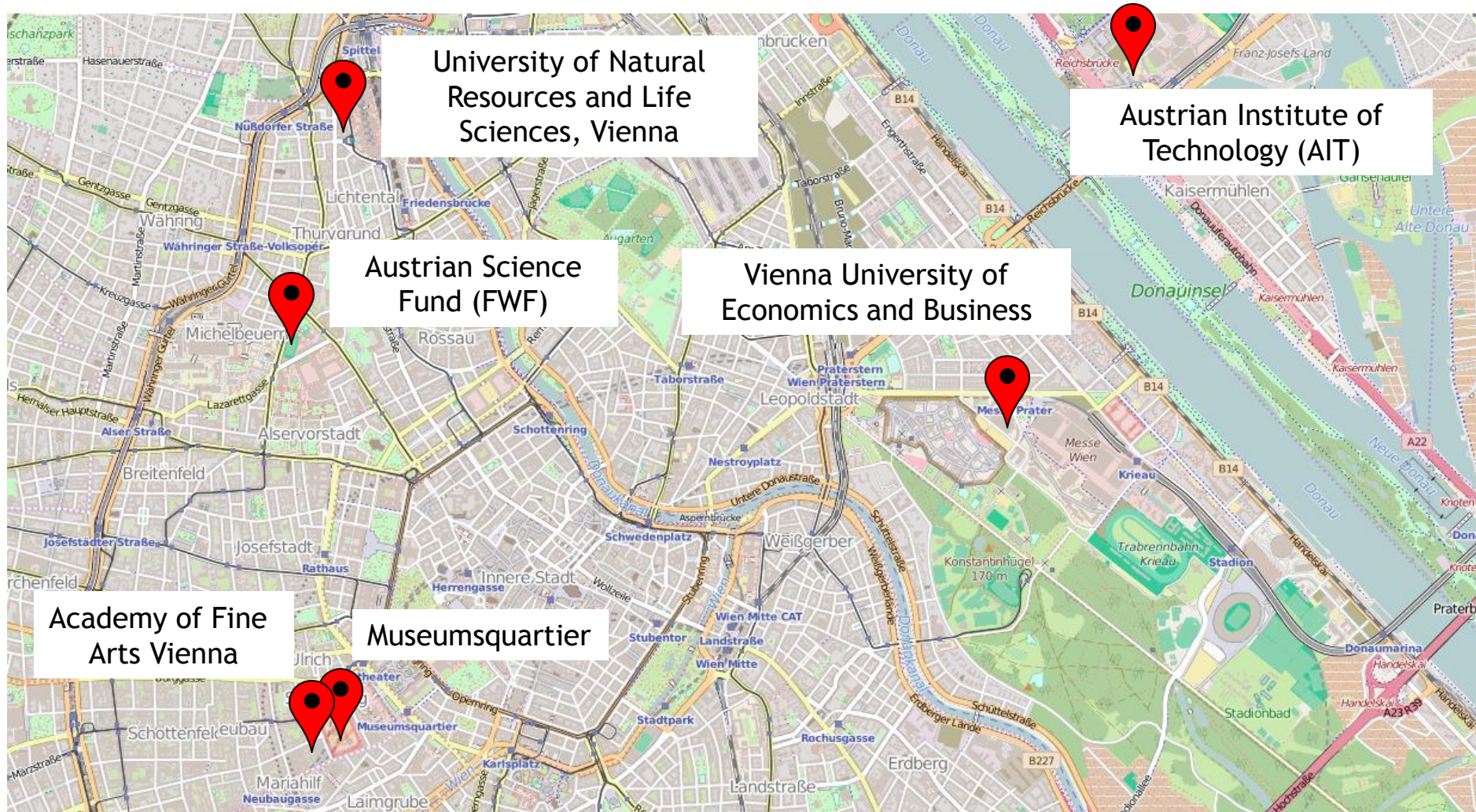
# Premise

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



University of Natural Resources and Life Sciences, Vienna

Austrian Institute of Technology (AIT)

Austrian Science Fund (FWF)

Vienna University of Economics and Business

Academy of Fine Arts Vienna

Museumsquartier

# Vienna

A red speech bubble containing a black and white icon of a lightbulb with an atomic symbol inside it, representing ideas and science.

# 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.*

# Principles

*Scholarly communication should ...*

- 6. Understandability:** ... *provide research in a clear, concise and understandable way adjusted to different stakeholders.*
- 7. Collaboration:** ... *foster collaboration and participation between researchers and their stakeholders.*

# Principles

*Scholarly communication should ...*

- 8. Quality Assurance:** ... *provide transparent and competent review.*
- 9. Evaluation:** ... *support fair evaluation.*
- 10. Validated Progress:** ... *promote both the production of new knowledge and the validation of existing knowledge.*

# Principles

*Scholarly communication should ...*

**11. Innovation:** ... *embrace the possibilities of new technology.*

**12. Public Good:** ... *increase the knowledge commons.*


# Community Feedback


*We have created these principles hoping to inspire a widespread discussion towards a shared vision for scholarly communication. We welcome feedback, criticism, and hints to what we may have missed.*


*We do not see this document as the end of the matter; it is a first version that will hopefully have many revisions as we jointly create the scholarly communication system of the future.*

→ View & Annotate: <http://viennaprinciples.org/v1/>


# Feedback/Reception So Far


>  **Public** ▾

 **Annotations** 58

 135

[See more details](#)

-  Blogged by 2
-  Tweeted by 139
-  On 9 Facebook pages
-  Mentioned in 6 Google+ posts
-  9 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 -

 **Liz McLellan**  
@lizmstrategy

  **Follow**

#viennaprinciples are truly inspiring - well done people! How do I find Maxi Schramm - great design! [viennaprinciples.org](http://viennaprinciples.org) #openscience

## 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](#)

# Vielen Dank für die Aufmerksamkeit!



FORSCHUNG

ANGEBOT

NETZWERK

PUBLIKATIONEN

NEWS &amp; PRESSE

I-KNOW



## MITARBEITER/IN IM BEREICH OPEN SCIENCE

(m/w), 20 Stunden, Dienstort Wien

### AUFGABENSTELLUNG

Wir suchen eine/n MitarbeiterIn für den aufstrebenden Bereich Open Science. Darunter fallen Projekte, in denen innovative Software für ForscherInnen entworfen wird und Projekte, in denen Open Science-Plattformen, Tools und Methoden wissenschaftlich untersucht werden. Für diese Tätigkeiten sind Fähigkeiten in den Bereichen Web-Programmierung und Datenanalyse notwendig, sowie auch Erfahrung im wissenschaftlichen Arbeiten. Der/die KandidatIn wird im interdisziplinären Social Computing Team, geleitet von Dr. Elisabeth Lex, mitarbeiten. Unser Ziel ist es, die Ressourcen des digitalen Zeitalters für Menschen nutzbar zu machen. Der Themenschwerpunkt Open Science wird von Dr. Peter Kraker geleitet. Der/die KandidatIn wird in einer Reihe von unterschiedlichen Projekten mitarbeiten – rein wissenschaftliche, sowie industriennahe Projekte. Mehr Information gibt es online: <http://www.know-center.tugraz.at/forschung/bereiche/social->

### ERFORDERLICHE KENNNTNISSE:

- Bachelorabschluss in Informatik, Informationswissenschaft, Software-Entwicklung, Telematik oder einem vergleichbaren, facheinschlägigen Studium
- Programmierkenntnisse in JavaScript. Kenntnisse in PHP, R und Python von Vorteil
- Erfahrung in der Webentwicklung
- Fließend Englisch, mündlich und schriftlich. Deutsch ist von Vorteil.
- Kenntnisse in den Bereichen Bibliometrie und Data Science bzw. Erfahrung mit sozialwissenschaftlichen Untersuchungen sind vorteilhaft