

LIBER2021



# THE EVOLVING SCHOLAR - RETHINKING PUBLISHING -

Nicoleta Nastase, Frédérique Belliard



**TU Delft | Library**  
*Free flow of knowledge*





- Young publisher launched in 2019
- Diamond open access academic publisher
- Authors retain their copyrights

# RETHINKING PUBLISHING

## THE DESIGNED PATH

The  
Evolving  
Scholar

*powered by*



- Open Access single article
- Novel publication types
- Open peer-review
- Community-driven

# RETHINKING PUBLISHING

## GAPS AND WISHES:

- The invisible work during the research itself
- The lack of control over the publishing process
- an experimental space

## WE NEED TO...

- ▶ consider the **researchers' needs** of publishing:  
become a publishing companion during the whole research lifecycle
- ▶ let the control over the publishing process and of the scientific quality (through the **open peer-review**) in the hands of the the researchers:  
**community-driven**
- ▶ consider **new developments in publishing** and let people try:  
an experimental and collaborative space

# RESEARCHERS' NEEDS

Photo by Shoeb Abolhassani on Unsplash



## Jan

Assistant Professor - Teacher  
Faculty of Applied Sciences

He wishes to publish along his publication a video abstract to highlight his findings

Photo by Metin Ozer on Unsplash



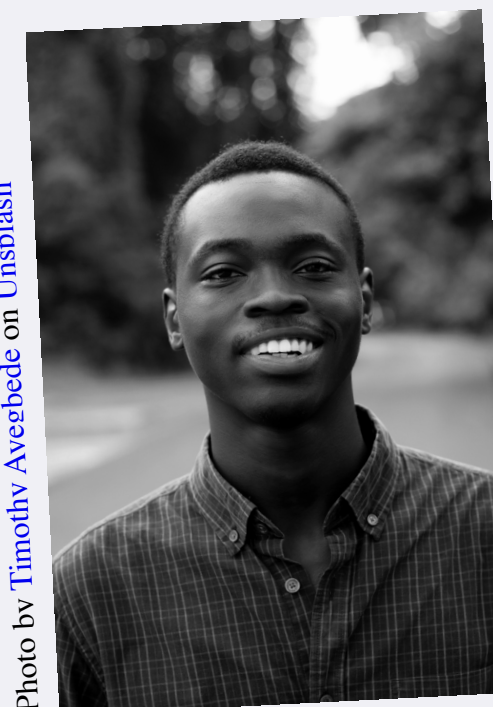
## Marianne

Assistant Professor  
Faculty of Architecture

She is organising a conference in 6 months.

"We are investigating possible ways of publishing the conference proceedings, preferably making it online and open source."

Photo by Timothy Avesbode on Unsplash



## Andreas

Postdoc  
Faculty of Aerospace

"How to convince fellow scientists of the importance of sharing high-quality data? How to make it a good practice and to motivate them"

Photo by Taylor Deas-Melesh on Unsplash



## Anna

Coordinator Citizen Science program

She is organising a citizen science community for TU Delft university.

Photo by Luis Quintero on Unsplash



## Younes

Assistant professor  
at the Faculty of Mechanical Engineering

He wants to start a discussion about a specific paper that was published long time ago but a topic of great interest in his community.

Photo by Alexander Krivitskiy on Unsplash



## Dan

Professor at the Faculty  
of Architecture

"The number of books published makes it difficult for me to filter what to read. Therefore I rely my book on book reviews. Best way to attract readership!"

## CONFERENCE PAPERS

### “Preprint” + Open peer-review

- The scientific community in control of the publication process
- Organisers and authors can engage the conference community in the open review process



Photo by [Metin Ozer](#) on [Unsplash](#)

**Marianne**  
Assistant Professor  
Faculty of Architecture

She is organising a conference in six months.

*"We are investigating possible ways of publishing the conference proceedings, preferably making it online and open source."*

- Participants have 3 months to write a full conference paper
- Organisers wish to make the conference papers freely accessible to all 1-2 weeks before the start of the conference
- Organisers cannot guarantee the completion of the review process before the start of the conference

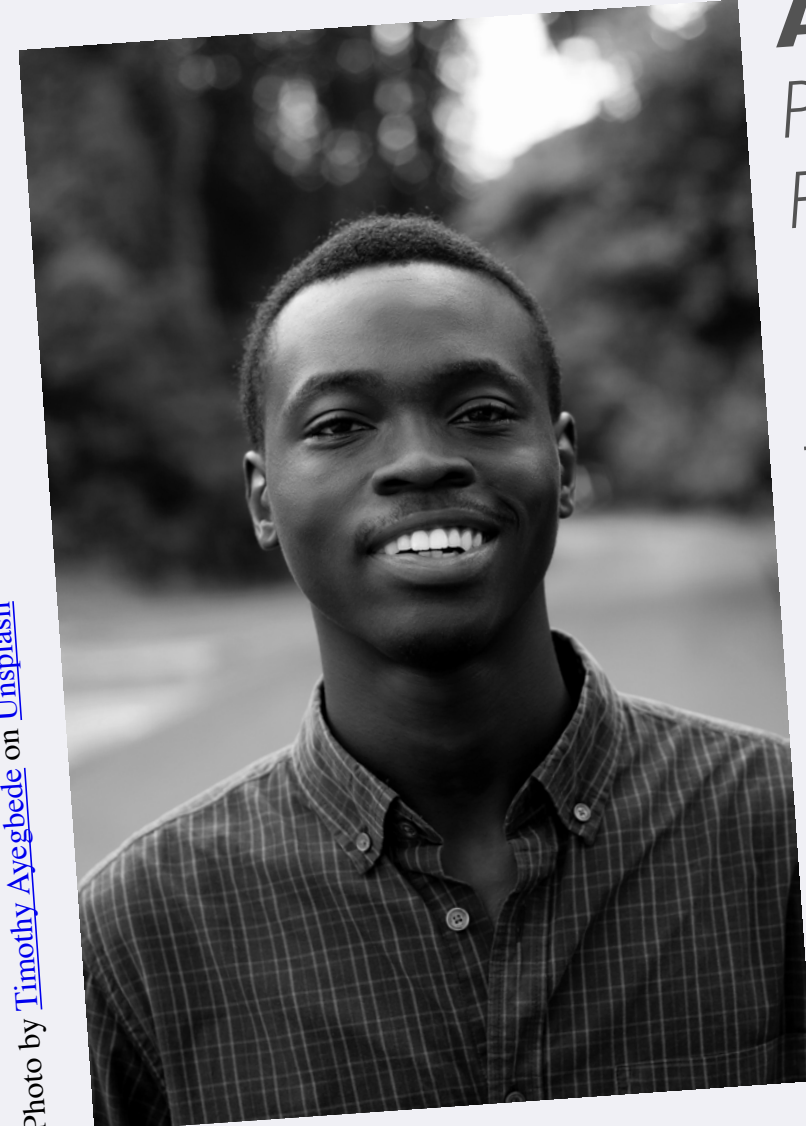


Photo by [Timothy Ayegebe](#) on [Unsplash](#)

## **Andreas**


PhD candidate  
Faculty of Aerospace

The data he is producing is FAIR but he wants to add a quality stamp to it.

*“How to convince fellow scientists of the importance of sharing high-quality data? How to make it a good practice and to motivate them?”*

Ensure the researcher focuses on the data quality, consistency and viability instead of generating more data.

## DATA PEER-REVIEWS

- Quality stamp “peer-reviewed dataset” 
- DOIs for reviews of datasets
- Recognition system for peer-reviewing the data

# BUILD SOLUTIONS TOGETHER

## TOPIC COLLECTION

Photo by [Taylor Deas-Melesli](#) on [Unsplash](#)



### **Anna**

*Coordinator Citizen Science program*

She is organising a citizen science community for TU Delft university.

She looks for a publishing space for both researchers and citizens. A space where researchers with experience in citizen science can publish open access articles, reports or opinion short articles and where citizens can comment on, review or even co-author publications.

- Any topic that gets enough interest can get its own identity as a collection and its own publishing community
- Researchers are free to take control over a specific collection, its publishing workflow and its editorial responsibilities



BUILD SOLUTIONS TOGETHER

BOOK REVIEWS

VIDEO ABSTRACTS

CONVERSATIONS

Photo by Alexander Krivitskiy on Unsplash



**Dan**

Professor at the Faculty of Architecture

He asks us to co-author articles.

Photo by Shoeb Abolhasani on Unsplash



**Jan**

Assistant Professor - Teacher  
Faculty of Applied Sciences

He wishes to publish along his publication a video abstract to highlight his findings

Limiting factors

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Photo by Luis Quintero on Unsplash



**Younes**

Assistant professor  
at the Faculty of Mechanical Engineering

He wants to start a discussion about a specific paper that was published long time ago, in a topic of great current interest in his community.

He doesn't find the right place to publish.

# RESEARCHERS' NEEDS

# BUILD SOLUTIONS TOGETHER



Photo by Shoeb Abolhasani on Unsplash



**Jan**  
Assistant Professor - Teacher  
Facul

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**Video abstracts**



Photo by Metin Ozer on Unsplash



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**Conference papers**



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**Topic Collection**





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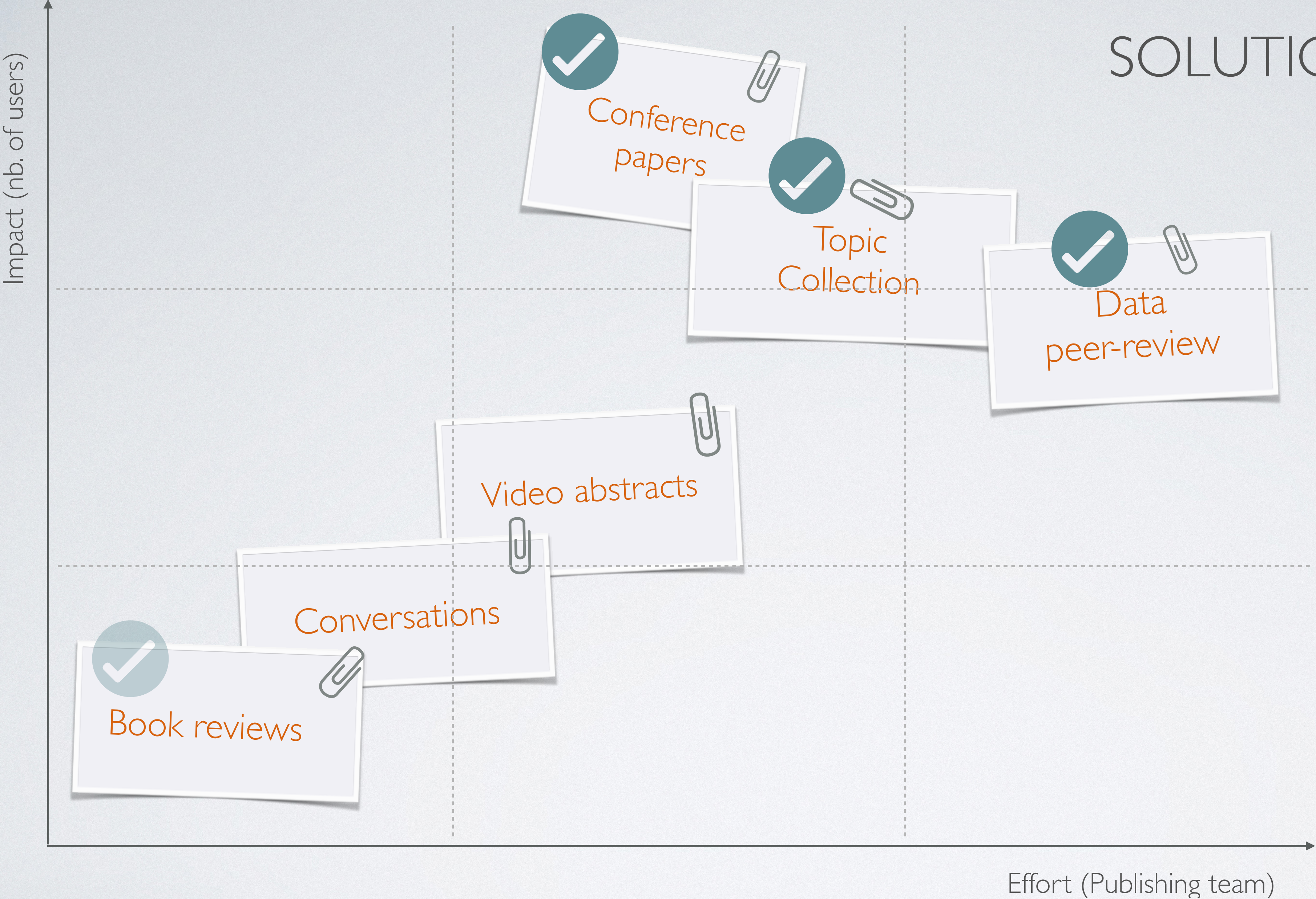


**Dan**  
Professor at the Faculty  
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"The nu  
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book re  
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**Book reviews**

# SOLUTIONS & PRIORITIES



# RETHINKING PUBLISHING



## THE DESIRE PATH

“Desire paths represent traces of use or wear that indicate preferred interaction done by users with an object or environment.”

<https://www.roro.io/blog/desire-path.html>

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# RETHINKING PUBLISHING

From infrastructure till publishing, the roles (and activities) distribution is tailored to the researchers' needs.



# CHALLENGES

- A. Novel publication types - an experimental approach requires time
- B. Open peer-review - people prefer to write reviews behind doors
- C. Community-driven + editors - we check scope and written text quality

# CHALLENGES - YOUR INPUT



<https://padlet.com/nnastase/abmdl6mdnj25sudl>

# LESSONS LEARNED

- Be **agile!** Engage with researchers and respond to their initiatives when they need it. If you only record their wishes and start developing later, by the time you're ready, they have already an up-and-running solution.
- Be **present!** Bottlenecks are often solved by having just a chat - when the researcher shares his frustrations.

## WHAT NEXT?

put some bricks in the foundation of open science,  
for a free flow of knowledge





TU Delft | Library

*Free flow of knowledge*



## *Accelerating scientific publishing*

Orvium is the scientific publishing platform that **helps researchers and institutions** to share their work, create open access journals, and streamline peer review.

The  
Evolving  
Scholar

Orvium

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Papers to review

Invite to Orvium

# Discover about what matters to you

Critical Sociology Distributed Computing Humanistic Sociology Political Sociology Computer Security And Reliability  
Sociology Of Conflict Applied Sociology Policy Sociology Sociology Biotechnology Distributed Database  
Finance

POPULAR ON THE PLATFORM

## Recent Publications

Preprint Open Review Create a review

OTHER

### Blockchain : Computation, Shutdown Problem, and Governability

| By Caporali Stéphane

This document describes the computational models associated with blockchain and, in a second step, what is for blockchain the shutdown problem. He then asks questions about the link between shutdown problem, computation, and governability in a blockchain project. This document aims to contribute to the implementation of industrial good practices. At... Show More

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# THANK YOU!

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