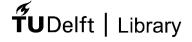


### THE EVOLVING SCHOLAR

RETHINKS THE PUBLICATION AND PUBLISHING PROCESSES

Frédérique Belliard & Nicoleta Nastase



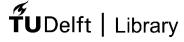


### Frédérique

- Publishing officer in the Research Support@ TU Delft Library
- Open science & Open publishing advocate
- Role: help researchers sharing their work increase the visibility and recognition the researcher and their work

### **Nicoleta**

- Innovation consultant in the Research Support@TU Delft library
- Service Designer & UX researcher
- Role: design sustainable solutions through cocreation; connect the dots between needs and resources for and with researchers in the actual academic publishing ecosystem and support the free flow of knowledge



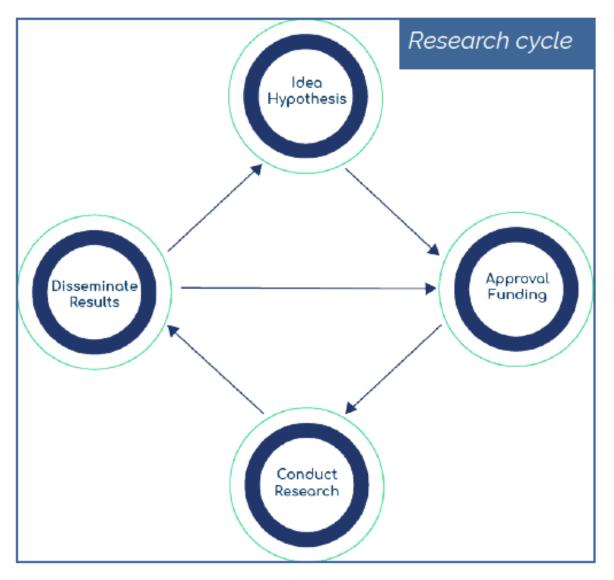
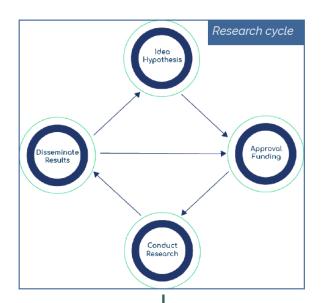


Image taken from orvium.io https://docs.orvium.io/Orvium-WP.pdf



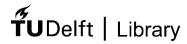
### Researchers' Journey along the Research cycle

huge amount of "invisible" necessary activities long processes unacknowledged work | reward & recognition

## PROBLEM | SOLUTION

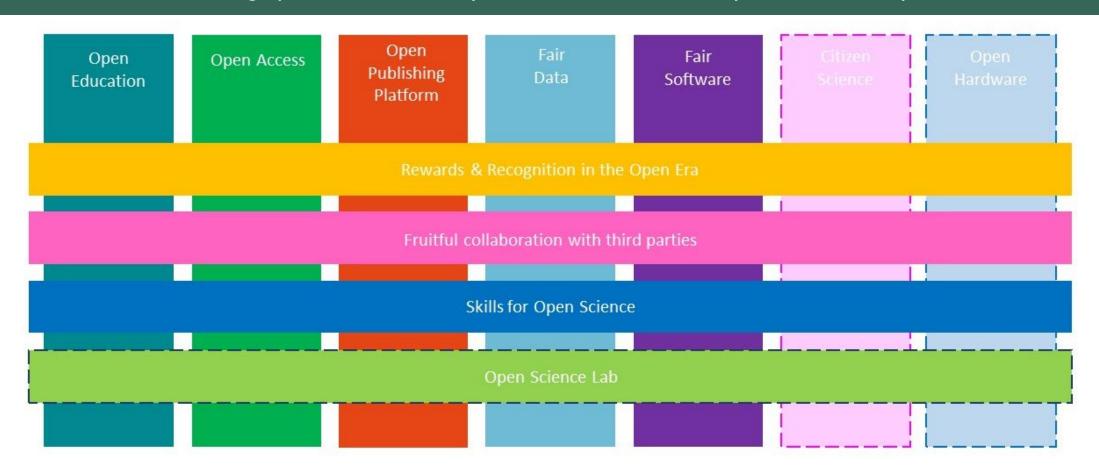
**Open Science** 

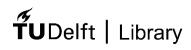
transparency reuse of methods, models, FAIR data orphan studies | non-traditional publishing



## OPEN SCIENCE PROGRAM: RESEARCH AND EDUCATION IN THE OPEN ERA

Making open research and open education a standard part of scientific practice







Traditional Publishing OPEN Publishing

## PROBLEM | SOLUTION

indings | visibility & recognition dependent on the control of the control o impact

transparent publishing process non-traditional publications reward & recognition

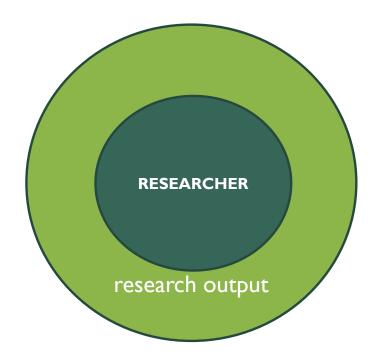
Open Publishing is

"an electronic reinvention of the ancient art of storytelling"

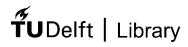
says Matthew Arnison



### VISION







### Free flow of knowledge

### **Facts**

- Young publisher launched in 2019
- Diamond open access academic publisher: No submission/publications fees
- Authors retain their copyrights

### Portfolio



Journals



Books



Textbooks



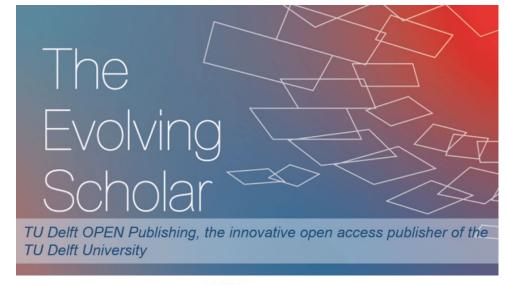
Services

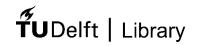
https://www.tudelft.nl/library/openpublishing



Journals

Experimental space for new forms of publications and publishing





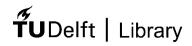


### MISSION

# Become the researcher's publishing companion during its journey







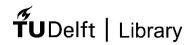
### Experimental space...

- Authors: introduce new forms of publications (eventually in co-creation)
- Reviewers: write open peer-reviews, get DOIs for them and get recognition
- Moderators: empower the authors and reviewers to interact for the benefit of the community and a high quality scientific output.
- Readers: leave comments on publications or reviews that matter

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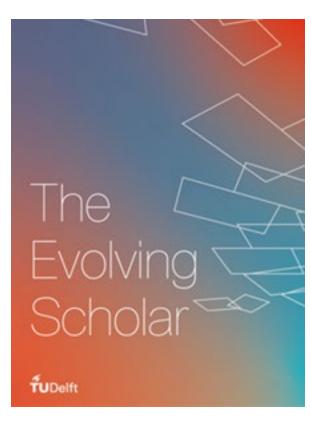
- Publishing skills: understand the editorial workflow and the peer-review process
- Professional skills: reinforce your subject knowledge and learn how to communicate efficiently
- Personal development: boost your self-confidence





### New forms of publications

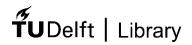
- Non-traditional publications
  - Negative results
  - Orphan studies (unpublished-new ideas)
  - Interactive publications



### New form of publishing

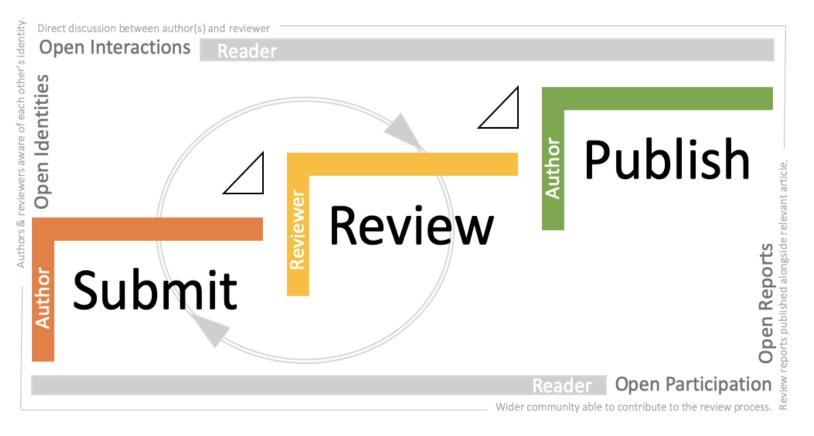
- Open peer review
- Break-down of the publishing process
- Community-driven





## New forms of publishing Open peer review

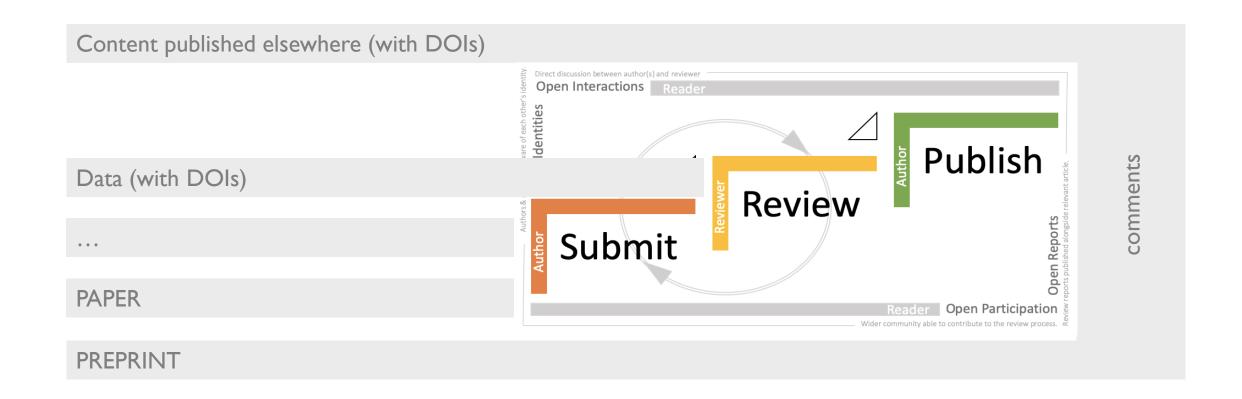
**DOIs** 

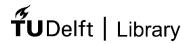


Review driven by the community

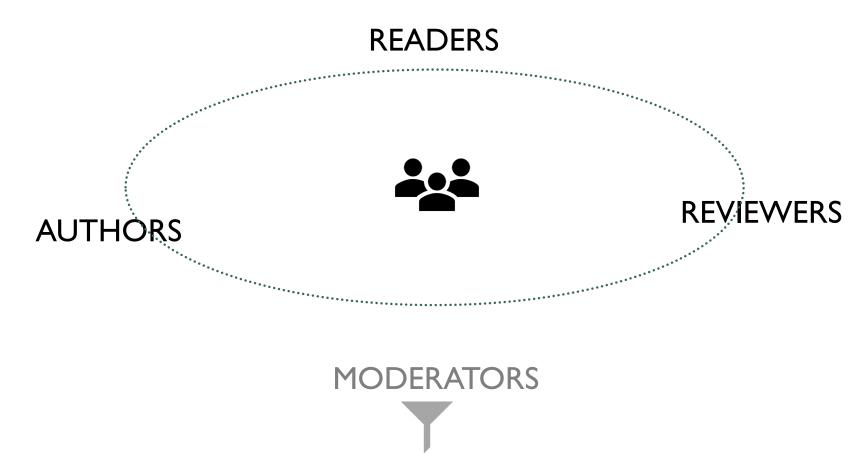
## New forms of publishing

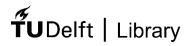
Break-down of the publishing process

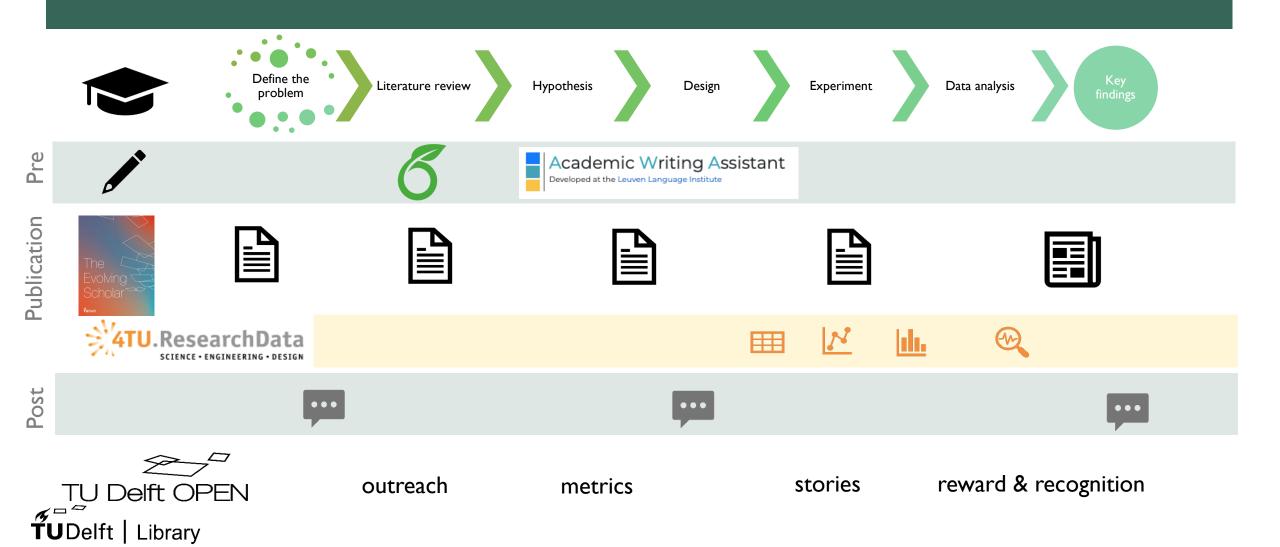




# New forms of publishing Community-driven







Search Publications

Advanced Search





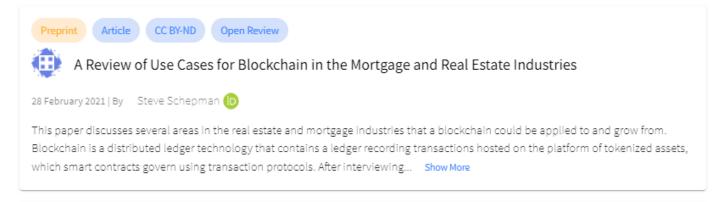


## **Discover** about what matters to you



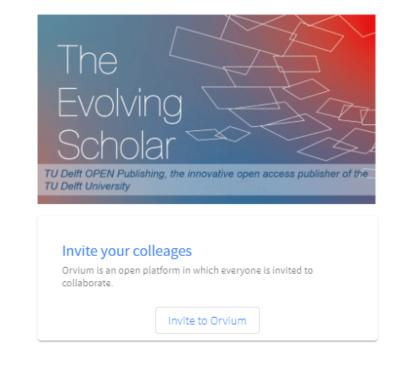
POPULAR ON THE PLATFORM

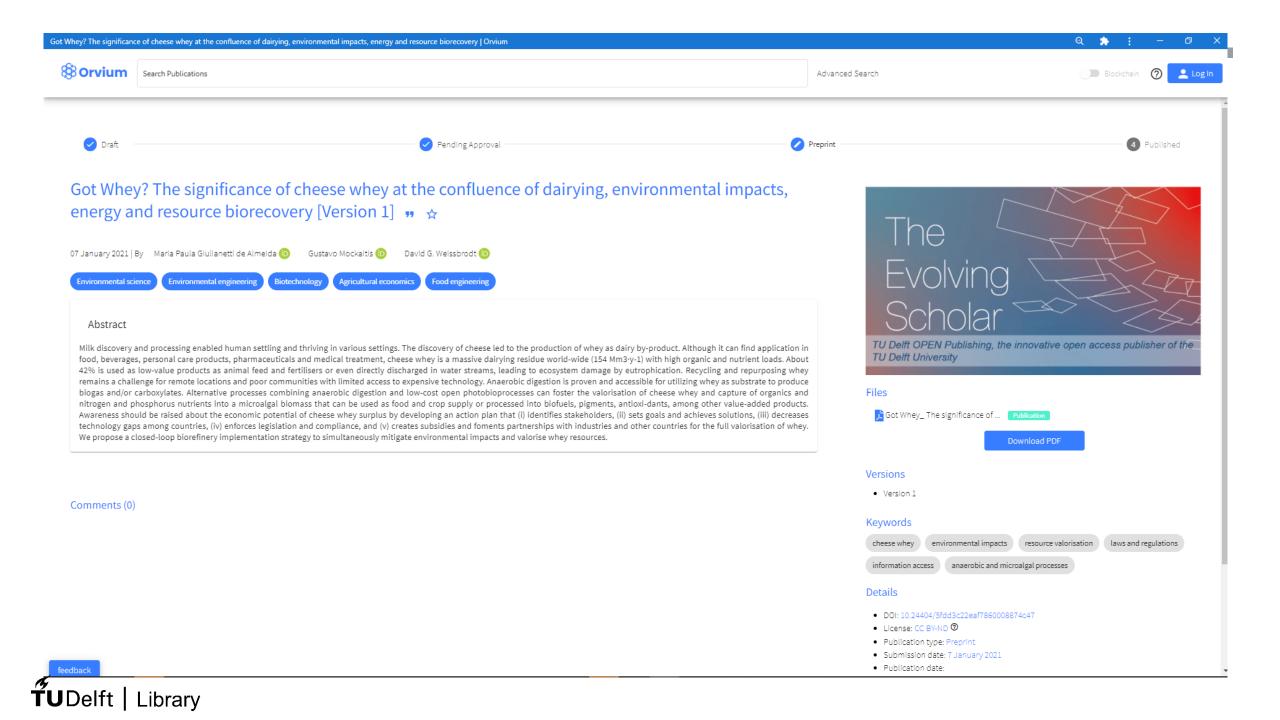
### **Recent Publications**





### **Top Communities**





## Author Spotlight: Making the most out of whey with open knowledge and peer review

→ Posted on 

April 14, 2021 by 

Emmy Tsang

France 14, 2021 by 

Emmy Tsang

France 25, 2021 by 

France 25, 2021 by 

France 25, 2021 by 

France 25, 2021 by 

Emmy Tsang

France 25, 2021 by 

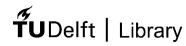
France

Post Views: 60

Milk and cheese play major roles in many diets all around the world. Yet, few are aware of the problems brought about by cheese whey – a massive by-product from dairy processing. "Here in Brazil, I came across so many difficulties in finding information about how much whey was produced, and what was done with it," said Maria Paula Giulianetti de Almeida, PhD candidate with Gustavo Mockaitis in the Interdisciplinary Group for Agricultural and Environmental Biotechnology at the University of Campinas Faculty of Agricultural Engineering and CAPES visiting doctoral researcher in the Weissbrodt Group for Environmental Life Science Engineering at the TU Delft Department of Biotechnology, "so I decided to dig deeper into this."

An amount as high as 154 million m<sup>3</sup> of cheese whey is produced annually, and a substantial proportion (42%) is turned into low-value products like animal feed and fertilizers, or simply discarded in the environment. However, cheese whey in the water stream can lead to eutrophication – the nutrients in whey can serve as the substrate for microalgae biomass, leading to excessive algal growth, decay, and oxygen depletion in surface water. This is a particularly big problem in Lowand Middle-Income Countries (LMICs), as the technology and funding to treat whey and remove nutrients from water is not widely available. Poorly enforced environmental regulation further encourages whey producers to simply discard whey residues into a nearby water stream.

In their recent preprint, published in the open peer-review mega-journal The Evolving Scholar, Maria and her co-authors devised a scalable roadmap to combat this issue. They looked into bioprocesses that can capture the nutrients in whey and turn it into a biomass that can be used as food supply, or processed into other value-added products like biofuels.



### **CHALLENGES**

- Awareness within the university
  - Embracing open peer-review
    - Audience elsewhere
      - IF still in power

Hesitation!
Not a standard practice!
Communities already formed elsewhere!

### **SOLUTIONS**

- Community engagement
  - Manager
  - Critical Friends
  - Open Science Workshops
- Start Conversations within the journal

Any other idea?

Do you have similar experiences?

Please share! udelftopen



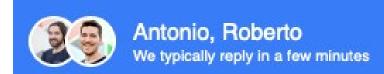




Frederique Belliard Nicoleta Nastase Paul Suijker **Emmy Tsang** Just de Leeuwe Adriaan Bisschop

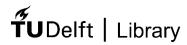
### Accelerating scientific publishing

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





Got any questions? I'm happy to help.



### www.journals.open.tudelft.nl/thes



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Nicoleta n.nastase@tudelft.nl





