

# OPEN INNOVATION IN SCIENCE

OIS **research  
conference**



HYBRID  
CONFERENCE  
@  
**ImpactHub**

2023  
May 8–10

Vienna, Austria

**Conference  
Program**



## Day 1: Monday, May 8, 11:30 – 19:30

**11:00 – 12:30** Arriving at ImpactHub (Lindengasse 56, 1070 Vienna), virtual getting-ready

**12:30 – 13:00** Conference Opening by Marion Poetz

**13:00 – 14:00** Keynote by Matt Marx and moderated Q&A

**14:00 – 15:30** Paper Session 1: Open data infrastructures

**16:00 – 17:30** Parallel Paper Session

Paper Session 2: Scientific and societal impact

Paper Session 3: Organizing for openness and collaboration

**18:00 – 19:30** OIS Cases and Applications and Running Dinner

## Day 2: Tuesday, May 9, 09:00 – 22:00

**09:00 – 10:30** Welcome Day 2 & Paper Session 4: Scientists' perspectives

**11:00 – 13:00** OIS Experimentation Session

**13:00 – 14:00** Lunch

**14:00 – 15:30** OIS Debate (Co-sponsored with AOM TIM Division)

**16:00 – 17:00** Paper Session 5: Implications of science funding

**18:30 – 22:00** Conference Dinner @ Pfarrwirt (Pfarrplatz 5, 1190 Vienna)

## Day 3: Wednesday, May 10, 09:00 – 13:30

**09:00 – 10:30** Welcome Day 3 & Parallel Paper Session

Paper Session 6: Science-industry linkages

Paper Session 7: Inter- and transdisciplinary research collaborations

**11:00 – 12:30** Paper Session 8: Perspectives on crowd science

**12:30 – 13:30** Closing and Lunch



## Monday, May 8

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### 11:00 – 12:30

Arriving at conference venue, snacks, and virtual getting-ready

*While optional, it is a great opportunity to see who else is there, say hello to dear colleagues and friends, meet new people, and check your device settings if you are joining online. The conference will start at 12:30 sharp.*

### 12:30 – 13:00

#### Conference Opening

*Main area*

**Marion Poetz** (Copenhagen Business School & LBG OIS Center)

### 13:00 – 14:00

#### Keynote & moderated Q&A

*Main area*

**Matt Marx** (Cornell University)

**14:00 – 15:30**

Paper Session 1:

**Open data infrastructures**

*Main area*

Paper 1

**The impact of CIFAR databases on the development of deep learning:**

**The making of a new technoscience**

**Daniel Souza** (University of Turin)

Aldo Geuna (University of Turin)

Jeff Rodríguez (University of Turin)

Paper 2

**Adaptive design in the clinical research:**

**Opportunities and challenges to improve the information's accessibility and transparency of the reporting**

**Andriy Krendyukov** (University of Mannheim)

Marc Lerchenmueller (University of Mannheim)

Paper 3

**Navigating Openness in AI Breakthroughs:**

**The case of AlphaFold**

**Angelo Kenneth Romasanta** (ESADE Business School)

Jonathan Wareham (ESADE Business School)

Laia Pujol Priego (ESADE Business School, Ramon Llull University)

Paper 4

**Open science or entrenchment?**

**The role of biological repositories on inter-institutional co-creation**

Carolin Haeussler (University of Passau)

Fabian Hans (University of Passau)

**Riold Furtuna** (University of Passau)

Samantha Zyontz (Boston University)

**Discussants**

**Leonhard Dobusch** (University of Innsbruck)

**Hila Lifshitz-Assaf** (Warwick Business School & Laboratory for Innovation Sciences at Harvard)

**Chair**

Susanne Beck (LBG OIS Center & Copenhagen Business School)

*Parallel paper session 2 and 3*

**16:00 – 17:30**

Paper Session 2:

**Scientific and societal impact**

*Library*

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Paper 5

**The influence of academic engagement on scientific knowledge production:**

**Driving productivity or impact?**

Carolin Nast (University of Stavanger Business School)

Pablo D'Este (INGENIO (CSIC-UPV))

**Oscar Llopis** (University of Valencia)

Dima Yankova (INGENIO (CSIC-UPV))

Paper 6

**Taming the paper trail?**

**How AI helps assess science impact beyond citations**

Andreas P. Distel (Rotterdam School of Management, Erasmus University)

**Christoph Grimpe** (Copenhagen Business School)

Sven J. Koerner (thingsTHINKING GmbH)

Mathias Landhäußer (thingsTHINKING GmbH)

Marion Poetz (Copenhagen Business School & LBG OIS Center)

Paper 7

**Organizing co-creation:**

**Structures and practices that nurture open innovation in science**

**Ariadne Avkiran** (University of Vienna)

Sarah R. Davies (University of Vienna)

Paper 8

**Scientific and social impact of scholarly research:**

**Substitutes or complements?**

**Gernot Pruschak** (Bern University of Applied Sciences)

**Discussants**

**Elizabeth Edwards** (University of Toronto)

**Stijn Kelchtermans** (KU Leuven)

**Chair**

Egor Burda (LBG OIS Center & Copenhagen Business School)

**16:00 – 17:30**

Paper Session 3:

**Organizing for openness and collaboration**

*Main area*

Paper 9

**Creativity inside the box:**

**How self-imposing and overloading constraints can enhance highly constrained innovation processes**

**Hila Lifshitz-Assaf** (Warwick Business School & Laboratory for Innovation Sciences at Harvard)

Steven Randazzo (Warwick Business School)

Olivia Jung (Emory University)

Paper 10

**Open innovation at big science centers:**

**A business model perspective**

**Saïd Yami** (University of Lille Institute of Business Administration (IAE))

Ravi Madhavan (Katz Graduate School of Business, University of Pittsburgh)

Markus Nordberg (CERN IdeaSquare)

Paper 11

**Bread upon the waters:**

**Corporate science and the benefits from follow-on public research**

**Dror Shvadron** (Fuqua School of Business, Duke University)

Paper 12

**Archetypes of open science partnerships:**

**Towards tailored functional models?**

**Maria-Theresa Norn** (Aarhus University & Technical University of Denmark)

Laia Pujol Priego (ESADE Business School, Ramon Llull University)

Irene Ramos-Vielba (Aarhus University)

Thomas K. Ryan (Aarhus University)

Marie Louise Conradsen (Aarhus University)

**Discussants**

**Markus Perkmann** (Imperial College London)

**Arvids A. Ziedonis** (KU Leuven)

**Chair**

Henry Sauermaun (ESMT Berlin)

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**18:00 – 19:30**  
**OIS Cases and Applications**

*Main area*

Project 1

**What Tiny Forests have taught us:**

**A case study in delivering multicomunity, place-based citizen science to achieve environmental and social impact**

**May Chemais**, Divya Kumar, Daniel Hayhow, Sophie Cowling, Georgina Sturgeon, Claire Narraway

Project 2

**Co-creation with vulnerable groups – how to include the elderly or people requiring care in research processes to develop eHealth solutions supporting ageing in place**

**Andrea Kastl**, Leonhard Dobusch

Project 3

**Open innovation in science:**

**Development and implementation in Ukraine**

**Olga Miroshnychenko**, Andrii Vasylenko

Project 4

**The integrated system "Atque" to design cooperative and generative processes in science communication**

Luca Toschi, **Viola Davini**, Marta Guarducci, Eugenio Pandolfini, Ilaria Papini, Marco Sbardella

Project 5

**Care for ME/CFS:**

**From machine learning to guidelines for primary care facilities**

**Eva Untersmayr**, Johanna Rohrhofer, ÖGMECFS on behalf of all other project members

Project 6

**Picture Pile Platform:**

**Harnessing the power of crowd-driven artificial intelligence**

**Steffen Fritz**, Tobias Sturn

**Chair**

Marion Poetz (Copenhagen Business School & LBG OIS Center)



**Tuesday, May 9**

**09:00****Welcome to Day 2***Main area***Marion Poetz** (Copenhagen Business School & LBG OIS Center)**09:00 – 10:30**

Paper Session 4:

**Scientists' perspectives***Main area*

Paper 13

**When does project feasibility drive technological innovation?****Evaluator expertise range, architectural knowledge, and preferences for existing technologies****Jacqueline Ng Lane** (Harvard Business School)

Zoe Szajnfarder (George Washington University)

Jason Crusan (George Washington University)

Michael Menietti (Harvard Business School)

Karim R. Lakhani (Harvard Business School)

Paper 14

**Shaping professional and social identity of scientists:****An exploratory study on the value of capability building in open and collaborative science practices**

Marion Poetz (Copenhagen Business School &amp; LBG OIS Center)

**Agnieszka Radziwon** (Aarhus University & University of California, Berkeley)

Alexander Ruser (University of Agder)

Paper 15

**Academia and societal challenges:****Analyzing scientists' perceptions and engagement channels****Martin Kalthaus** (University of Southern Denmark)

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**Discussants****Carsten Bergenholtz** (Aarhus University)**H.C. Kongsted** (Copenhagen Business School)**Chair**

Christoph Grimpe (Copenhagen Business School)



**11:00 – 13:00**

**OIS Experimentation Session:  
Explore how OIS practices affect the synergies and tensions  
around scientific and societal impact**

*Main area*

This year, we focus on investigating how OIS practices affect the synergies and tensions around scientific and societal impact. As OIS advocates the importance of taking a contingent view on openness and collaboration in science, and with novel disruptive digital technologies at hand, scholars are increasingly able to investigate when and under what condition OIS practices may contribute to increasing scientific productivity and (or) societal impact. By engaging in this OIS experiment, we hope to inspire fruitful discussions among participants and spark further research ideas related to the way we think about impact in science, the role of OIS and how we can better understand and measure the impact effects of openness and collaboration in science.

**Moderator**

**Marion Poetz** (Copenhagen Business School & LBG OIS Center)

**13:00 – 14:00**

**Lunch**

**14:00 – 15:30**

**OIS Debate** Co-sponsored with AOM TIM Division

*Main area*

**Michaël Bikard** (INSEAD)

**Aled Edwards** (University of Toronto)

**Dilek Fraisl** (International Institute for Applied Systems Analysis (IIASA))

**Michelle Gittelman** (Rutgers Business School)

**Moderator**

Henry Sauermann (ESMT Berlin)

**16:00 – 17:00**

**Paper Session 5:  
Implications of science funding**

*Main area*

Paper 16

**Designing incentives for impactful university-industry linkages:**

**Evidence from UK funding**

Stefano H. Baruffaldi (Polytechnic University of Milan)

**Cornelia Lawson** (Manchester Institute of Innovation Research, University of Manchester)

Felicia Seitz (Campana & Schott Management GmbH)

Paper 17

**Do funded research projects deviate from grant proposals, and does it matter?**

**Andres Madariaga Espinoza** (KU Leuven)

Stijn Kelchtermans (KU Leuven)

Cindy Lopes-Bento (KU Leuven)

Arvids A. Ziedonis (KU Leuven)

**Discussants**

**Chiara Franzoni** (Polytechnic University of Milan)

**Aldo Geuna** (University of Turin)

**Chair**

Susanne Beck (LBG OIS Center & Copenhagen Business School)

**18:30 – 22:00**

**Conference dinner**

*Pfarrwirt*

*(Pfarrplatz 5, 1190 Vienna)*



## Wednesday, May 10

MAY  
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**09:00**

### Welcome to Day 3

*Main area*

**Marion Poetz** (Copenhagen Business School & LBG OIS Center)

*Parallel paper session 6 and 7*

**09:00 – 10:30**

Paper Session 6:

### Science-industry linkages

*Library*

Paper 18

**Science-based products and early-stage development speed:  
A configurational approach**

**Clio Dosi** (University of Bologna)

Angelo Kenneth Romasanta (ESADE Business School)

Jonathan Wareham (ESADE Business School)

Paper 19

**Co-publishing between science and industry and its relevance for inventions**

**Indira Yarullina** (Friedrich Schiller University Jena)

Frédérique Bone (Fraunhofer Institute for Systems and Innovation Research ISI)

Paper 20

**Bounded exploration in local innovation system:**

**The effects of local industry on academic scientists' research trajectories**

**Eunhee Sohn** (Georgia Institute of Technology)

**Discussants**

**Michaël Bikard** (INSEAD)

**Cornelia Lawson** (Manchester Institute of Innovation Research, University of Manchester)

**Chair**

Susanne Beck (LBG OIS Center & Copenhagen Business School)

**09:00 – 10:30**

Paper Session 7:

**Inter- and transdisciplinary research collaborations**

*Main area*

Paper 21

**Co-designing interdisciplinary research projects:**

**Sensemaking process in problem-team designs**

**Olga Kokshagina** (EDHEC Business School)

Paper 22

**Exploring the creativity universe:**

**How OIS practices come into play for early-career stage students**

**Catarina Batista** (CERN IdeaSquare)

Ole Werner (CERN IdeaSquare)

Dina Zimmermann (CERN IdeaSquare)

Markus Nordberg (CERN IdeaSquare)

Paper 23

**The social side of open science:**

**Exploring the sentiment, semantics, and structure on social networking platforms  
for entrepreneurship and innovation scholarship**

**Anne Radunski** (Hasso Plattner Institute, University of Potsdam)

Robert Rose (Fraunhofer Institute for Industrial Engineering IAO)

Valeska Maul (Fraunhofer Institute for Industrial Engineering IAO)

Katharina Hölzle (Institute of Human Factors and Technology Management (IAT),

University of Stuttgart & Fraunhofer Institute for Industrial Engineering IAO)

**Discussants**

**Marc Lerchenmueller** (University of Mannheim)

**Agnieszka Radziwon** (Aarhus University & University of California, Berkeley)

**Chair**

Henry Sauermann (ESMT Berlin)

**11:00 – 12:30**

Paper Session 8:

**Perspectives on crowd science**

*Main area*

Paper 24

**Grassroots science:**

**A mixed-method study of crowdfunding for scientific research**

Chris Hesselbein (Polytechnic University of Milan)

**Chiara Franzoni** (Polytechnic University Milan)

Paper 25

**Understanding knowledge sharing and collaboration dynamics in crowdsourced citizen science**

**Yao Sun** (New Jersey Institute of Technology)

Paper 26

**Unlocking useful input in crowdsourcing:**

**The need for deep information exchange when the crowd (re)formulates the problem**

**Ademir Vroljik** (University of Toronto)

Zoe Szajnfarder (George Washington University)

Paper 27

**Listening to the crowd?**

**Experts' responsiveness to scientific project evaluations by members of the general public**

Susanne Beck (LBG OIS Center & Copenhagen Business School)

**Egor Burda** (LBG OIS Center & Copenhagen Business School)

Marion Poetz (Copenhagen Business School & LBG OIS Center)

Henry Sauermann (ESMT Berlin)

**Discussants**

**Dilek Fraisl** (International Institute for Applied Systems Analysis (IIASA))

**Lars Frederiksen** (Aarhus University)

**Chair**

Christoph Grimpe (Copenhagen Business School)

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## 12:30 – 13:30 Conference Closing and Lunch

*Main area*

### Reflections on the conference and outlook

**Marion Poetz** (Copenhagen Business School & LBG OIS Center)

*Let us end this year's conference by appreciating all participants contributing to make the OIS research community thrive and prosper!*

## 15:00 – 17:00 Walking Discovery Tour – “Fin de Siècle Vienna: Science and Splendor”

Embark on a captivating journey through Vienna's illustrious past. This exclusive discovery tour, carefully curated for conference attendees, will immerse you in a world of groundbreaking scientific breakthroughs and awe-inspiring historic beauty.

Tour starts at 15:00 (sharp!) in front of Café Landtmann (Universitätsring 4, 1010 Vienna)





## Locations

The hybrid OIS Research Conference 2023 takes place online and at **ImpactHub**, Lindengasse 56, 1070 Vienna.

The U3 Metro station “Zieglergasse” is a 5-minute walk from ImpactHub. The metro U3 is connected to “Wien Mitte – Landstraße” station from where you can directly go to Vienna International Airport.

Route from the airport to the location:  
<https://goo.gl/maps/AvRbfZrQyVVpb1vF9>



The conference dinner will take place at the oldest restaurant in Vienna: **Pfarrwirt**, Pfarrplatz 5, 1190 Vienna. A bus to the conference dinner will leave directly from ImpactHub on Tuesday, May 9, at 18:00 sharp.

Public transportation or taxis can be utilized to return from the conference dinner. From the U4 “Heiligenstadt” station, the metro connects to the metro U3 which brings you to locations throughout the inner city. The tram lines 37 & 5 (or D & 49) can also be utilized to return.

Route to return from conference dinner:  
<https://goo.gl/maps/9VNFGAKpKeWBZuY36>



## Organizers contact information

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