



**University of  
Zurich** <sup>UZH</sup>

**Digital Society Initiative**



# Welcome to the DSI General Meeting 2023

November 2, 2023



## Agenda

- Introductory Formalities
- DSI Update 2023
- Voting (New Members)
- Future of the DSI
  - new Roadmap (final approval)
  - DSI beyond 2029
- Discussion «The media world is changing rapidly: what does this mean for scientists?» with Adrienne Fichter, Republik and Dr. Daniel Vogler, fög



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# Introductory Formalities



## Introductory Formalities

### Minutes of last year's meeting

- Do you have any feedback? Questions?



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# DSI Update 2023

# We shape the digital future

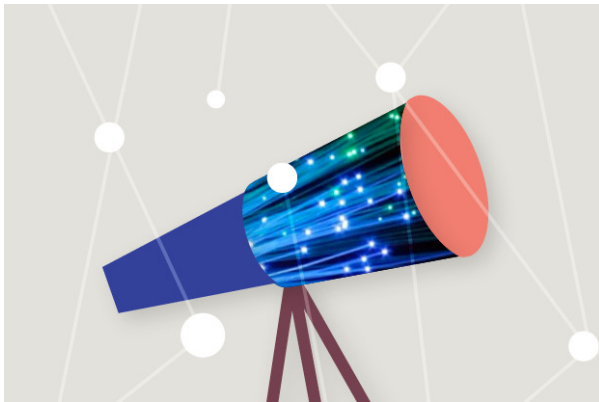
The UZH Digital Society Initiative



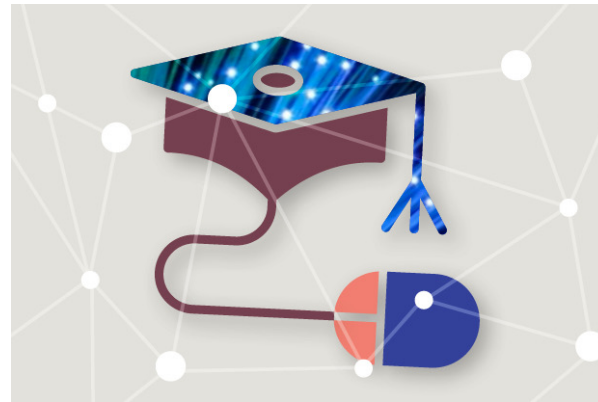


## The DSI focuses on three key topics

### Research



### Education



### Public Relations





## Research at the DSI



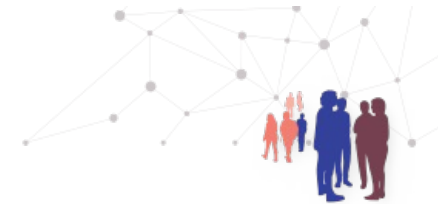
Professorships

Communities

Funding

Strategy Lab





## Professorships

# Topics of the 35 DSI Professors

- Ancient Christianity & Digital Humanities (2025)
- Artificial Intelligence & Machine Learning (ML)
- Chemistry & Biochemistry of ML and Data Analytics
- **Computer-assisted Surgery (2023)**
- Computational Linguistics
- Cybersecurity (2024)
- Data Systems and Theory
- Data Science for Sciences
- Deep Learning / adversarial samples
- Digital Bioinorganic Chemistry
- Digital & Mobile Health
- Digital Orthopedics & Biomechanics (2024)
- **Digital Religion(s) (2023)**
- Digital Transformation in the Working World
- Digitalized Communication Spaces
- Economics of Digitalization and Online Markets
- Educational Technology
- Interacting with Data
- Interface «Law, Medicine & Technology»
- Labour Geography with Focus on Digitalization
- **Legal Data Science (2023)**
- **Legal Tech (2023)**
- Linguistics, Computational Cognitive Science and ML
- ML for environmental sciences and geosciences
- Management of Digital Transformation
- Mathematics for high dimensional problems (2024)
- Mobility & Digital Innovation Management
- Economics in the digital age (2024)
- Political Behaviour & Digital Media
- Quantitative Network Science
- Regulatory Sciences
- Social Computing
- Sociology of the social digitalization (2026)
- Urban analytics (2024)
- Visual Analytics and Information Visualisation





Communities

# Our 12 DSI Communities

Interdisciplinary collaboration on specific topics

Communication

Cybersecurity

Democracy

Education

Ethics

Gaming

Health

Libraries

Metaverse

Mobility

Sustainability

Work





## Calls at the DSI

### DSI Bridge Postdocs (last time)

- **Postdoc position at the DSI**
- **Funding of up to 4 years and max. CHF 770'000.**
- **Currently: 7 DSI Postdocs**
- **4 new planned**

### DSI Infrastructures & Labs

- **Goal: Creation of collaborative research environments**
- **Funding of 1-2 years and max. CHF 200'000.**
- **Currently: 14 projects**
- **New call will be online in March 2024**

### Excellence Program Scholarships (open)

- **4<sup>th</sup> cohort started**
- **Scholarship for graduates of the Excellence Program**
- **Funding for up to 4 years**
- **Prerequisite: (future) doctoral student at UZH**



# Strategic outreach

## 2021: A Legal Framework for Artificial Intelligence

- **Presentation of the results in the Federal Parliament**

## 2022: Artificial Intelligence in Medicine – where do we want to go?

- **Position paper «Objectives and Recommendations for the Responsible Use of Digital Twins»**

## 2023: AI in Education, Research and Innovation

- **Recommendations on the topic will be published later**



Position paper

### Artificial Intelligence in Medicine – Objectives and Recommendations for the Responsible Use of Digital Twins

Editorial team:  
Nikola Biller-Andorno, Markus Christen, Michael Krauthammer, Claudia Witt

#### Introduction

In the next few years, the use of artificial intelligence (AI) in medicine will influence the possibilities in prevention, diagnosis and therapy as well as the associated processes and responsibilities in healthcare to a large extent that is currently still difficult to assess. For this reason, experts from the University of Zurich and other organizations have addressed the question of which objectives and associated recommendations can lead to a responsible use of AI in medicine in the "Strategy Lab" of the Digital Society Initiative (DSI).

This position paper was produced in a systematic and participatory process as part of the Digital Society Initiative's "Strategy Lab Artificial Intelligence in Medicine". The process extended from early 2022 to mid-2023 and included, among other things, a survey of medical subject matter experts in spring 2022, two workshops for the development of future scenarios in June and August 2022, a focus group workshop with representatives of the public in September 2022, and a workshop explicitly for the development of the objectives and recommendations in November 2022. The future scenarios and resulting objectives and recommen-



## Further Projects at the DSI

### «Home» for interdisciplinary research

- **CYREN<sup>ZH</sup>: Cyber Resilience Network For The Canton Of Zurich**
- **BRIDGE Lab**
- **Research project for Human – AI - Collaboration**



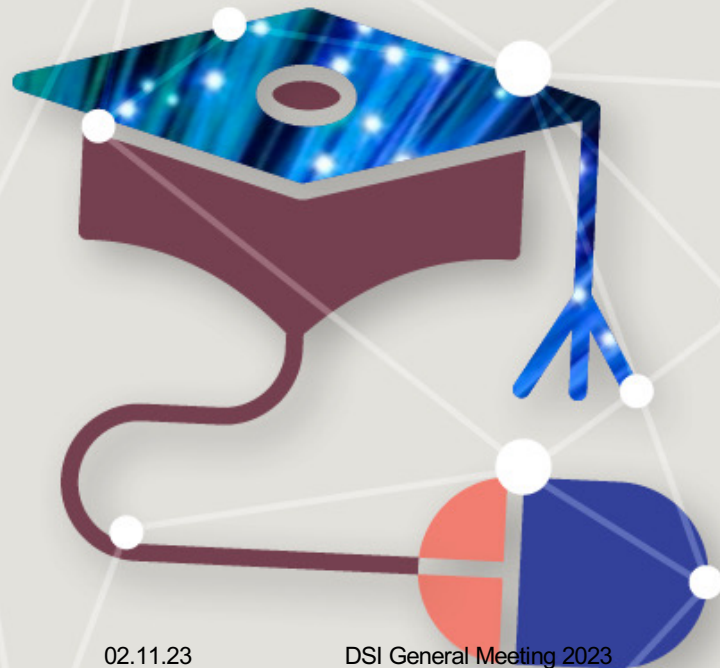
## Strategic Projects for UZH

- **Go-live of DESAT (Data security & Ethic Self-Assessment )**
- **Z-Pool-Tool for recruiting of study participants**





## DSI Educational programs



Studium  
Digitale

Digital  
Skills

Excellence  
Program

Parldigi  
MasterClass







Studium  
Digitale

## Online studies



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### The Studium Digitale teaches basic digital skills from an interdisciplinary perspective

- **Target group: Bachelor students of all UZH faculties**
- **Topics: Data & Information; Programming & Computational Thinking; Digital Society; Digital Studies**
- **3 credits (ECTS)**
- **1 semester**
- **Online course with 17 modules**
- **Offered via School of Transdisciplinary Studies**
- **every year more than 1'000. 2023: 1'706**



Digital  
Skills

## Study program



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## Transdisciplinary study program in the Master's degree for all UZH students oriented towards Challenge-based Learning

- Projects in interdisciplinary teams of approx. 4 students
- Knowledge, skills and reflection on the topic of digitalization
- Individual learning path with elective modules
- Computer science bootcamp for students without programming skills
- 30 credits (ECTS)
- Pilot started in Fall semester 2023 with pilot modules and Teamwork on Digital Transformation Challenges





Excellence  
Program

## PhD: inter- and transdisciplinary



The central goal: to think about digitalization at an academic level across disciplinary boundaries

- PhDs of all disciplines
- Complementary curriculum
- 12 credits (ECTS) over 2 years
- Start 2020
- ~20 students per year, 2023: 14
- New application process is online (deadline 15 January 2024) for fall 2024



Parldigi  
MasterClass

## An offer for politicians



### The DSI teaches digital competencies

- Collaboration with Parliamentary Group Digital Sustainability (Parldigi)
- 2021: first Parldigi MasterClass
- 2023: in the Grand Council of the Canton of Bern
- 2024: further events at cantonal and national level in planning



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## Voting on new members



## Rights and duties of DSI General Assembly

- Election of full DSI members
- Election of associated members
- DSI Roadmap



## Formalities: Election of full DSI members

### 168 new full members (since 11.11.2022 up to 31.10.2023):

Nimra Ahmed, Luca Leonardo Amodio, Jiahiui An, Roberto Andorno, Annina Ardüser, Luise Arn, Natasha Arora, Yasaman Asgari, David Atwood, Chris Awai, Fynn Bachmann, Till Baier, Clara-Maria Barth, Mona Bartling, Björn Bartling, Lucien Baumgartner, Sascha Beck, Jeannette Behringer, Barbara Berchtold, Bettina Bernasconi, Philip Berntsen, Nora Bertram, Friedemann Bieber, Eliana Maria Brianza, Philipp Brunner, Martin Bürgin, Carlo Campajola, Vesile Cinceoglu, Leonard Creutzburg, Julian Croci, Manuela Dahinden, Aline Darbellay, Matteo Delucchi, Juliette Desiron, Sonia Difrancesco, Tanja Domej, Christian Dorfer, Adrian Egli, Balthasar Eugster, Chao Feng, Doreen Flick-Holtsch, Anja Frei, Eva Furrer, Aleksandra Garazha, Silvia Garbari, Mara Gianfrini, Beatrix Göcking, Reto Gubelmann, Tanja Habermeyer, Doris Hanappi, Birgit Hartog-Keisker, Megumi Hayakawa, Marco Henriques Pereira, Yoan Hermstrüwer, Thomas Hidber, Carmen Hirt, Gabriel Hofmann, Pascale Hohl, Philipp Homan, Elaine Huang, Manuel Hubacher, Stefania Iaquinto, Alexandra Jansky, Svenja Kaduk, Nobutake Kamiya, Mina Karimi, Zoya Katashinskaya, Christine Kaufmann, Thomas Keller, Carina Klein, Sabine Klein, Piotr Koc, Wibke Kolbmann, Vanessa Kopplin, Raphaela Kotsch, Atay Kozlovski, Katrin Kraus, Jonas Kubik, Martin Kubli, Markus Leippold, Dolores Lemmenmeier, Perrine Lhuillier, Fabienne Liptay, Cristiana Lucchetti, Andreas Luft, Scott Ma, Katharina Maag Merki, Arthur Macherel, Daniel Maier, Daniela Marino, André Marques Condeço Ferreira, Marco Meola, Christoph Meyer, Konstantinos Michos, Jacopo Mocellin, Elisabeth Moser Opitz, Yves Mühlematter, Consuela Müller, Mathias Müller, Neitah Noemi Müller, Nico Neureiter, Nasim Nezhadsistani, Céline Odermatt, Ingrid Oliva Alvarado, Diana Pak, Catarina Pereira, Tamara Pfister, Anna-Katharina Praetorius, Yuan Qin, Dorian Quelle, Sara Racca, Milena Ragaz, Corinna Reinhardt, Maria-Alexandra Retevoi, Maud Reveilhac, Micha Rieser, Rebekka Rieser, Tim Roloff Handschin, Klaus Rothenhäusler, Roy Rutishauser, Madhav Sachdeva, Sadia Azad, Philippe Saner, Davide Scaramuzza, Florian Schaffner, Jonas Schlomberg, Regina Schmid, Maria-Luisa Schmitz, David Schmocker, Josef Schönhammer, Johannes Schörgenhumer, Kai Schudel, Meredith Christine Schuman, Petra Seebeck, Dario Siegen, Beth Singler, Jennifer Sparr, Simon Spiegel, Iva Srbinovska, Bernd Stadlinger, Armin Stähli, Nina Streeck, Jasmine Suhner, Sarah Summers, Susara Sampath Thenuwara, Nail Tahirov, Deepak Tanwar, Gerlinde Theunissen, Thomas Trüb, Wenjie Tu, Laurin van den Bergh, Daniel van der Weijden, Sophie van Ijzendoorn, Jan von der Assen, Valeria Vuk, Elizabeth Wagner, Philippe Wälchli, Viviane Walker, Benjamin Wilding, Michael Wittweiler, Denise Wolf, Balz Wolfensberger, Marie Wosny, Katharina Yadav, David Yanagizawa-Drott, Jonas Zellweger, Anja Zraggen, Claudia Zimmermann



## Formalities: Election of associate DSI members

### 105 new associate members (since 11.11.2022 up to 31.10.2023):

Andrew Ahn, Pierre-Marie Allard, Benjamin Ambuehl, Jiahui An, Joyce Zoe Banks, Cláudia Barbosa, Aliya Bari, David Baschung, Onicio Batista Leal Neto, Nija Sonja Böckler, David Bozzini, Thorsten Busch, Álvaro Canalejo-Molero, Dino Carpentras, Ricardo Chavarriaga, Kuan-Wie Chen, Daniela Christen, Michael Conrad, Philipp Dreesen, Stefan Eberitzsch, Jack Edmunds-Coopey, Shayani Fernando, Andrea Ferrario, Maximilian Fischer, Stephan Gerhard, Tommaso Giardini, Rahel Gubser, Manoj Gupta, Felix Hamborg, Christohe Hauert, Noemi Heusler, Christian Hugo Hoffmann, Michael Hofmann, Alberto Huertas Celdra, Margarete Jahrmann, Jawhar, Helge Johannsen, Leigh Johnson, Anne Jomard, Annabel Jones, Michel Kaeppli, Eren Kangeldi, Jonathon Keats, Samira Khalifa, Sara Kinell, Julia Krasselt, Raffaella Kunz, Loeva La Ragione, Corina Leuch, Florian Liberatore, Sonja Loeffelmann, Stéphane Magnenat, Cerstin Mahlow, Mykola Makhortykh, Matteo Marenco, Lennart Maschmeyer, Katherine Mazzei, Josephine Meier, Tanja Muller, Belinda Müller, Oliver Neumann, Lena Oetjens, Kingsley Ofosu-Ampong, Elisabeth Stockinger, Helena Peic Tukuljac, Giulia Pestoni, Eugen Pfister, Esther Pfund, Johanna Pirker, Claudia Pletscher, Cornelia Puhze, Genoveva Puskàs, Maria Guadalupe Ramirez, Julia Rone, Carlotta Rosenthal, Giuseppe Samo, Rui Santos, Amitabha Sarkar, Laurin Schaffner, Jasmine Scherrer, Christa Schmid-Meier, Stefan Schmidlin, Reto Schneider, Simon Schultze, Anina Schwarzenbach, Ehud Shapiro, Bernadette Spieler, Iuliia Spycher, Lina Stallmann, Daniela Suter, Attila Szantner, Emanuel Tschopp, Gus Umbelino, Mathilde van Ditmars, Michela Voglino, Joséphine von Mitschke-Collande, Till Wagner, Stefanie Walther, Bettina Wegenast, Anna Wiewer, Regula Windlinger, Yanan Xin, Jiamin Yu, Fanqi Zeng, Wei Zhang

In total, the DSI network now consists of more than 1100 members.



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## Future of the DSI



## Near Future – Approval of the DSI Roadmap

- The **DSI roadmap** is the «living working paper» of the DSI summarizing key goals and thematic orientations that the DSI entails.
- It is updated **every 2 years**; the current update cycle ends 2023.

- **Process:**

2022:	Directorate prepares a suggestion
Spring semester 2023:	Consultation process with the DSI Network
Summer 2023:	Refinement based on consultation
Autumn 2023:	Final Review within DSI Network with focus on DSI Communities
November 2023:	Approval in DSI General Meeting 2023





## DSI beyond 2029

- DSI is fixed until 2029 (along with DIZH)
- First discussions will start in 2024 with the Board of UZH
- We will keep you posted!





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**Discussion «The media world is changing rapidly: what does this mean for scientists?»**

**with Adrienne Fichter, Republik and Dr. Daniel Vogler, fög**