



EYE  
OF  
EUROPE

futures<sup>4</sup>  
europe

Futures4Europe

# BOOK OF ABSTRACTS

# PROGRAMME DAY 1 AND 2

For the **Futures4Europe conference** on May 15 and 16, 2025 in Vienna  
on behalf of the Horizon Europe funded project Eye of Europe

## DAY 1

<b>08:00 – 09:00</b>	<b>Registration &amp; Coffee</b>
<b>09:00 – 09:15</b>	<b>Opening Address &amp; Welcome</b> Susanne Giesecke, AIT Austrian Institute of Technology
<b>09:15 – 09:30</b>	<b>Futures4Europe: the Online Home of the EU R&amp;I Foresight Community</b> Radu Gheorghiu, UEFISCDI, Eye of Europe project coordinator
<b>09:30 – 09:45</b>	<b>Eye of Europe Welcome Activity: Collective Intelligence on the spot</b> Renata Mandzhieva, AIT Austrian Institute of Technology
<b>09:45 – 10:15</b>	<b>Coffee break</b>
<b>10:15 – 10:45</b>	<b>Keynote: The Future is Now: Wales' Approach to Long-termism</b> Petranka Malcheva, Office of the Future Generations Commissioner for Wales Chair: Susanne Giesecke
<b>10:45 – 12:00</b>	<b>Panel Discussion: Policymaking in a new Era of Collective Intelligence and Foresight</b> Moderator: Matthias Weber, AIT Austrian Institute of Technology Robert Künzel (EC, DG RTD), Douglas Robinson (OECD), Antje Bierwisch (MCI Innsbruck), Petranka Malcheva (Office of the Future Generations Commissioner for Wales), Michael Brugger (BMIMI, Austria)
<b>12:00 – 13:00</b>	<b>Lunch</b>
<b>Parallel Sessions</b>	<b>Track 1: Foresight Cultures for Policy &amp; Administration (session 1, 2, 9)</b> <b>Track 2: Artificial Intelligence (session 3, 4, 12)</b> <b>Track 3: Collective Intelligence for Futures and System Transformation (session 5, 11)</b> <b>Track 4: Feminist Futures (session 6)</b> <b>Track 5: Beyond EU Horizons (session 7, 15)</b> <b>Track 6: Technology and Innovation Foresight (Session 8)</b> <b>Track 7: Foresight for Education (session 18)</b> <b>Track 8: Global Risks (session 10)</b> <b>Track 9: Creative and Experimental Foresight Approaches (session 13, 14)</b> <b>Track 10: Future Imaginaries (session 16, 17)</b> <b>Track 11: Theory (session 19)</b>

13:00 – 14:25

## PARALLEL SESSIONS

Room Skydome

### Foresight Cultures for Policy & Administration

Chair: Effie Amanatidou

(Track 1, session 1)

- Arianna Ferrari, Wenzel Mehnert:  
*Integrating Foresight and Technology Assessment into Strategic Decision-Making*
- Radu Gheorghiu:  
*Developing a Foresight Culture in the Romanian Public Administration*
- Judit Gáspár, Effie Amanatidou:  
*Responsible Foresight for a Caring Future*

Room Augarten

### AI & Participation

Chair: Alexandra Csabi

(Track 2, session 3)

- André Winzer:  
*Enhancing Policy Innovation through AI-Powered Collective Intelligence Mapping*
- Michel Hohendanner, Chiara Ullstein, Jens Grossklags:  
*The Global AI Dialogues: Fostering Lay-Citizen Engagement to Utilize Collective Intelligence for Participatory AI Development and Policymaking*
- Jonathan Blanchard Smith:  
*Futures Practice in an Age of AI: Beyond Prediction to Engagement*

Room Hofburg

### Collective Intelligence for Futures and System Transformation

Chair: Kerstin Cuhls

(Track 3, session 5)

- Kerstin Cuhls, Miquel Banchs-Piqué, Ariane Voglhuber-Slavinsky:  
*FOSTER – Food System Futures*
- Martin Kruse, Philine Warnke:  
*Futuresilience Harnessing Collective Intelligence for Resilience-Building*
- Blaž Golob:  
*Future-Oriented Collective Intelligence for the Creation of the European Model of the "City of Well-being"*

Room Schönbrunn

### Beyond EU Horizons

Chair: Masafumi Nishi

(Track 5, session 7)

- Asako Okamura, Yasuhiro Ogura:  
*Society and Science in the 12th Japanese S&T Foresight Survey: Insights from Visioning and Delphi Analysis*
- Jorge Tiago Martins, Giovanna Sanchez Nieminen:  
*The Future of EU-LAC Research Infrastructure Collaboration through the Lens of Institutional Capacity for Mission-Oriented Innovation*
- Falk Kunadt, Moritz Hunger:  
*Learning from Each Other: How Technology Scouting and Scenario Building for International Development can be Mutually Beneficial – the Interdisciplinary Case of the Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) and the German Aerospace Center (DLR)*

14:30 – 15:55

## PARALLEL SESSIONS

Room Skydome

### Foresight Cultures for Policy & Administration

Chair: Radu Gheorghiu

(Track 1, session 2)

- Sirkka Heinonen:  
*How to Use Paradoxes in Foresight and Policymaking?*
- Rafael Popper; Monika Popper:  
*Action Roadmapping for Collective Intelligence and Foresight: Navigating Disruptive Pathways for Future Research and Innovation Policy*
- Marlène de Saussure, Marc Bovenschulte & Nicolas Noak:  
*Qualitative Scenarios for European Societies in Demographic Change*

Room Augarten

### AI as a Foresight Tool

Chair: Wenzel Mehnert

(Track 2, session 4)

- Olga Shaeva, Nikolay Khlopov:  
*Navigating Uncertainty: Collective Intelligence for Detecting and Analyzing Weak Signals of Change*
- Daniel Richter, Sebastian Wagner:  
*Exploring Immersive Strategic Foresight: The Foresight Cube as a catalyst for Future-oriented Collective Intelligence*
- Iuliana Adina Apostol: *The Future of Learning as a Path to Meaning: Immersive Foresight as an Experimental Tool for Purpose Discovery*

Room Hofburg

### Feminist Futures

Chair: Dana Wasserbacher

(Track 4, session 6)

- Thays Prado:  
*Fostering Adolescent Girls' and Young Women's Collective Intelligence for Global Advocacy and Policy Making*
- Claudia Larcher:  
*Feminine AI – Artistic Strategies for Questioning AI in Creative Practices*
- Steven Lichty:  
*Quantum Feminist Futures: A Transformative Approach to Future-Oriented Collective Intelligence*

Room Schönbrunn

### Technology and Innovation Foresight

Chair: Mikkil Stein

(Track 6, session 8)

- Stefanie Ollenburg:  
*Designing the Futures of Aviation through Collective Intelligence in Technology Research*
- Aleyna Kirmizi:  
*Methodology to Assess the Future Potential of Technologies*
- Mikkil Knudsen, Toni Ahlqvist, Ville Luttamäki and Tero Villman:  
*Anticipatory Organisations and Future-oriented Regulation: Emerging Policy Pathways in Marine Logistics and Pharmaceutical Industry*

16:00 – 16:30

Coffee Break & Networking

<b>16:30 – 18:00</b>	<b>KEYNOTE AND WORKSHOPS</b>
<b>Room Skydome</b>	<b>Keynote &amp; Discussion: New Demos, New Foresight – a 2075 Exploration</b> Yves Mathieu, Missions Publiques Chair: Susanne Giesecke
<b>Room Augarten</b>	<b>Workshop: The Role of AI in Future Studies and Foresight: Balancing Promise and Peril</b> Victor van Rij, Forsociety Chair: Michal Pazour
<b>Room Schönbrunn</b>	<b>Workshop: Co-futuring – the Art of Interactive FOCI Building</b> Joe Ravetz, University of Manchester Chair: Rafael Popper
<b>18:00 – 18:30</b>	<b>Recap of Day 1 &amp; Outlook for Day 2</b>

## DAY 2

08:00 – 08:30 Coffee & Networking

08:30 – 10:00 PARALLEL SESSIONS

Room Skydome

**Foresight Cultures for Policy & Administration**

Chair: Radu Gheorghiu

(Track 1, session 9)

- Laurent Bentoux, Anne-Katrin Bock:  
*Using future-oriented collective intelligence for the EU - A daily practice at the EU Policy Lab*
- Susanne Giesecke:  
*Comparing apples and pears – or how to transfer an EU Foresight study to Austria by applying collective intelligence*
- Michal Pazour, Lenka Hebáková:  
*From Mutual Learning to Future-Oriented Collective Intelligence in R&I Policy*

Room Augarten

**AI in Foresight**

Chair: Alexandra Csabi

(Track 2, session 12)

- Jasper van Kempen, Anastasia Yagafarova, et al.:  
*LLM's and Emerging Practices in Future-oriented Collective Intelligence*
- Stefan Niederhafner, Bernhard Albert:  
*Combining Collective and Artificial Intelligence to Unlock the Future of Holistic Strategic Foresight*
- Giovanna Giuffrè, Daniel Cassolà & Valentina Malcotti:  
*The Way Forward: Challenges and Opportunities for Integrating Collective Intelligence with Artificial Intelligence*

Room Hofburg

**Futures with Youth**

Chair: Masafumi Nishi

(Track 5, session 15)

- Lourdes Rodriguez:  
*Inclusive Futures: Enhancing Youth Engagement in Collective Intelligence and Decision-Making*
- Elena Sommaruga, Maximilian Rau, Luana Nava:  
*Amplifying new Voices in Foreign Policy by Leveraging Collective Intelligence for Inclusive Global Governance*
- Mehek Khanna:  
*Advancing South Asian Youth Futures: Decolonizing Collective Intelligence for a Pluralistic Tomorrow*

Room Schönbrunn

**Foresight for Education**

Chair: Cristiano Cagnin

(Track 7, session 18)

- Diana Stafie:  
*GenZlandia: Anticipating the Future Workforce through Collective Intelligence and Foresight*
- Lidia Salvatore, Ramona David Craescu, Vlasia Korovilos, Jiri Branka:  
*Future Vision for Continuing Skills Development*
- Cristiano Cagnin:  
*Future-oriented Collective Intelligence to Envision the Future of Education and Learning Enabling Decisions that Embrace Complexity and Treat Uncertainty as a Resource*

10:00 – 10:30 Coffee & Networking

<b>10:30 – 11:45</b>	<b>KEYNOTE, WORKSHOPS AND FEN ANNUAL MEETING</b>
<b>Room Skydome</b>	<p><b>Keynote: “Best Way to Forecast is to Design the Future” – Foresight 3.0 and the Existential Agenda</b>          Joe Ravetz, University of Manchester          Chair: Susanne Giesecke</p>
<b>Room Augarten</b>	<p><b>Workshop: Stories That Spur Action – Becoming Conscious of the Narrative Structures We Use to Talk About the Future and Innovation</b>          Dominik Kramer, Freie Universität Berlin/ Fraunhofer ISI          Chair: Wenzel Mehnert</p>
<b>Room: Hofburg</b>	<p><b>Workshop: Backbones and Collective Intelligence: Emerging practices and cultures in future-oriented collective intelligence</b>          Jonathan Blanchard Smith (SAMI Consulting), Patricia Lustig (LASA Insight Ltd)          Chair: Totti Könnölä</p>
<b>Room Schönbrunn</b>	<p><b>FEN Annual Meeting: Collective Intelligence in European Foresight’s Pasts and Futures</b>          Chairs: Lena Tünkers, Thays Prado</p> <ul style="list-style-type: none"> <li>• Ibon Zugasti:  <i>Collective Intelligence Network Structures as Illustrated by the Millennium Project Think Tank</i></li> <li>• Eva Buchinger:  <i>The Form of Participatory Constellation Work on Intergenerational Dialogue and Exchange in European Foresight</i></li> </ul>
<b>11:50 – 13:20</b>	<b>PARALLEL SESSIONS</b>
<b>Room Skydome</b>	<p><b>Theory</b>  <b>Chair: Dana Wasserbacher</b>  <b>(Track 11, session 19)</b></p> <ul style="list-style-type: none"> <li>• Max Priebe:  <i>Why, Where and hWat are Collectives in R&amp;I Policy-oriented Foresight?</i></li> <li>• Stefan Bergheim:  <i>Mapping Theory and Practice of Futures-Oriented Collective Intelligence</i></li> <li>• Katharina Jäger, Theresa Bürscher, Thomas Scherngell, Martina Neuländtner, Michael Bernstein and Dana Wasserbacher:  <i>An Empirical Agent-based Model for Regional Twin Transition Pathways: A Strategic Intelligence Tool for R&amp;I Policy</i></li> <li>• Attila Havas, Dana Wasserbacher:  <i>Comparing two Members of the FOCl family: Can and Should Futures Literacy and Foresight talk to Each Other?</i></li> </ul>
<b>Room Augarten</b>	<p><b>Co-Design and Serious Games</b>  <b>Chair: Renata Mandzhieva</b>  <b>(Track 9, session 13)</b></p> <ul style="list-style-type: none"> <li>• Luca Morena, Kent Danielsson:  <i>From Curious Machines to Collective Foresight: Exploring Human-Machine Synergies</i></li> <li>• Tehilla Shwartz Altshuler, Romi Mikulinsky:  <i>Harnessing Collective Intelligence Through Speculative Design: Co-Creating Policy Frameworks for Smart Glasses in Public Spaces</i></li> </ul>

- Room: Hofburg**
- Future Imaginaries**  
**Chair: Bianca Dragomir**  
**(Track 10, session 16)**
- Gabby Morris:  
*Using Experiential Emotional Futures Methods to create the Coastodians Project: charting Scotland's Future*
  - Wenzel Mehnert:  
*Fictional Technofutures – Popcultural repositories to collectively imagine futures*
  - Isabella Hermann:  
*Resisting Dystopia: how Anti-Dystopian Stories and Narratives can Inspire Justice, Solidarity and Change*
- Room Schönbrunn**
- Global Risks**  
**Chair: Susanne Giesecke**  
**(Track 8, session 10)**
- Jessica Bland:  
*Accelerating Collective Intelligence for Catastrophic Risk Assessment: Lessons from the SIMMER Project*
  - Johanna Vallistu, Erik Terk:  
*Using Collective Intelligence for Crisis Preparedness in Estonia: An Action Research Approach*
- 13:20 – 14:20**
- Lunch**
- 14:20 – 15:50**
- Room Skydome**
- PARALLEL SESSIONS**
- Collective Intelligence for Futures and System Transformation**  
**Chair: Philine Warnke**  
**(Track 3, session 11)**
- Totti Könölä, Attila Havas:  
*Geopolitics of Industrial Decarbonisation: Global Scenarios and R&I Opportunities for Europe*
  - Anette Braun, Dirk Holtmannspötter, Sylvie Rijkers-Defrasne, Amina Abdel-Galil and Axel Zweck:  
*Harnessing Collective Intelligence: A Meta-Analysis of International Technology Foresights*
  - Cristian Matti, Laurent Bontoux, Karel Haegeman and Thomas Zacharewicz:  
*From Policy Mix to System Change: Understanding Industrial Transition Pathways Through Strategic Foresight and Co-creation*
- Room Augarten**
- FOCI: Futures-Oriented Creative Intelligence**  
**Chair: Renata Mandzhieva**  
**(Track 9, session 14)**
- Pedro de Senna:  
*Performance for Futures: embodying future-oriented collective intelligence*
  - Meryem Laghmari:  
*Anticipating Futures: Collective Intelligence in Trend Forecasting*
  - Tatiana Efremenko, Marita Canina, Carmen Bruno and Eva Monestier:  
*From Vision to Innovation: Exploring the role of Art-Tech Collaboration for Ethical and Sustainable Futures*

Room: Hofburg

**Future Imaginaries**

**Chair: Bianca Dragomir**

**(Track 11, session 17)**

- Amit Sheniak, Limor Samimian-erach, Nir Rotem:  
*Unboxing the Imaginary: Imagination in the Service of Future-Oriented Collective Intelligence in 'Hi-Tech' Innovation Processes*
- Travis Kupp:  
*Abductive Heuristics in Futures Sensemaking: Learning from Practitioners' Experience in Collective Navigation of Complex Systems*
- Bianca Dragomir:  
*Foresight as a Locus for Co-creating and Deliberating Sociotechnical Imaginaries*

Room Schönbrunn

**WORKSHOPS**

**TechEthos – A Serious Game for discussing ethics of emerging technologies**

Wenzel Mehnert, AIT Austrian Institute of Technology

**16:00 – 16:45**

**Assessment of AI Experiment, Feedback & Closing Remarks**

# TABLE OF CONTENTS

<b>INDEX OF AUTHORS</b>	<b>17</b>
<b>PREFACE</b>	<b>18</b>
<b>KEYNOTES</b>	<b>19</b>
<b>ABSTRACTS FOR PARALLEL SESSIONS</b>	<b>21</b>
<b>TRACK 1: Foresight Cultures for Policy &amp; Administration</b>	<b>22</b>
<b>SESSION 1: Foresight Cultures for Policy &amp; Administration</b>	<b>22</b>
Chair: <b>Effie Amanatidou</b>	
• <b>Integrating Foresight and Technology Assessment into Strategic Decision-Making</b> Arianna Ferrari and Wenzel Mehnert (AIT Austrian Institute of Technology)	23
• <b>Developing a Foresight Culture in the Romanian Public Administration</b> Radu Gheorghiu (UEFISCDI)	23
• <b>Responsible Foresight for a Caring Future</b> Judit Gáspár (Corvinus University of Budapest) and Effie Amanatidou (Honorary Senior Research Fellow, University of Manchester)	24
<b>SESSION 2: Foresight Cultures for Policy &amp; Administration</b>	<b>26</b>
Chair: <b>Radu Gheorghiu</b>	
• <b>How to Use Paradoxes in Foresight and Policy-Making?</b> Sirkka Heinonen (Finland Futures Research Centre (FFRC), University of Turku)	27
• <b>Action Roadmapping for Collective Intelligence and Foresight: Navigating Disruptive Pathways for Future Research and Innovation Policy</b> Raffael Popper and Monika Popper (Centre for Foresight and Internationalisation, CFI)	28
• <b>Qualitative Scenarios for European Societies in Demographic Change</b> Marlène de Saussure, Marc Bovenschulte and Nicolas Noak (VDI/VDE Innovation and Technology)	29
<b>SESSION 9: Foresight Cultures for Policy &amp; Administration</b>	<b>30</b>
Chair: <b>Radu Gheorghiu</b>	
• <b>Using future-oriented collective intelligence for the EU - A daily practice at the EU Policy Lab</b> Laurent Bentoux and Anne-Katrin Bock (Joint Research Centre, European Commission)	31
• <b>Comparing apples and pears – or how to transfer an EU Foresight study to Austria by applying collective intelligence</b> Susanne Giesecke (AIT Austrian Institute of Technology)	32
• <b>From Mutual Learning to Future-Oriented Collective Intelligence in R&amp;I Policy</b> Michal Pazour and Lenka Hebáková (Technology Centre Prague)	33

## TRACK 2: Artificial Intelligence 34

### SESSION 3: AI & Participation 34

Chair: **Wenzel Mehnert**

- **Enhancing Policy Innovation through AI-Powered Collective Intelligence Mapping** 35  
André Winzer (Schaltzeit GmbH)
- **The Global AI Dialogues: Fostering Lay-Citizen Engagement to Utilize Collective Intelligence for Participatory AI Development and Policymaking** 36  
Michel Hohendanner, Chiara Ullstein and Jens Grossklags  
(Technical University of Munich)
- **Futures Practice in an Age of AI: Beyond Prediction to Engagement** 37  
Jonathan Blanchard Smith (SAMI Consulting Ltd)

### SESSION 4: AI as a Foresight Tool 38

Chair: **Alexandra Csabi**

- **Navigating Uncertainty: Collective Intelligence for Detecting and Analyzing Weak Signals of Change** 39  
Olga Shaeva and Nikolay Khlopov (Algorithm Trend Intelligence SAS)
- **Exploring Immersive Strategic Foresight: The Foresight Cube as a catalyst for future-oriented collective intelligence** 40  
Daniel Richter and Sebastian Wagner (Fraunhofer INT)
- **The Future of Learning as a Path to Meaning: Immersive Foresight as an Experimental Tool for Purpose Discovery** 41  
Iuliana Adina Apostol (AdinaEverywhere)

### SESSION 12: AI in Foresight 42

Chair: **Alexandra Csabi**

- **LLM's and emerging practices in future-oriented collective intelligence** 43  
Jasper van Kempen, Anastasia Yagafarova, Carine van Oosteren, and Amber Geurts (TNO, TNO Vector)
- **Combining collective and artificial intelligence to unlock the future of holistic strategic foresight** 44  
Stefan Niederhafner (Sudeco; Advanced Foresight Group) and Bernhard Albert (Foresight Solutions)
- **The way forward: challenges and opportunities for integrating Collective Intelligence with Artificial Intelligence** 45  
Giovanna Giuffrè, Daniel Cassolà and Valentina Malcotti (ISINNOVA)

## **TRACK 3: Collective Intelligence for Futures and System Transformation** **47**

### **SESSION 5: Collective Intelligence for Futures and System Transformation** **47** Chair: **Kerstin Cuhls**

- **FOSTER – Food System Futures** **48**  
Kerstin Cuhls, Miquel Banchs-Piqué and Ariane Voglhuber-Slavinsky  
(Fraunhofer Institute for Systems and Innovation Research)
- **Futuresilience Harnessing Collective Intelligence for Resilience-Building** **49**  
Martin Kruse (The Copenhagen Institute for Futures Studies) and  
Philine Warnke (Fraunhofer ISI)
- **Future-Oriented Collective Intelligence for the creation of the European model of the “City of Well-being”** **50**  
Blaž Golob (GFS Institute)

### **SESSION 11: Collective Intelligence for Futures and System Transformation** **52** Chair: **Philine Warnke**

- **Geopolitics of Industrial Decarbonisation: Global Scenarios and R&I Opportunities for Europe** **53**  
Totti Könnölä (Insight Foresight Institute, IFI) and Attila Havas  
(HUN-REN Centre for Economic and Regional Studies)
- **Harnessing Collective Intelligence: A Meta-Analysis of International Technology Foresights** **54**  
Anette Braun, Dirk Holtmannspötter, Sylvie Rijkers-Defrasne, Amina Abdel-Galil  
and Axel Zweck (VDI Research/ VDI Technologiezentrum GmbH)
- **From policy mix to system change: understanding industrial transition pathways through strategic foresight and co-creation** **55**  
Cristian Matti, Laurent Bontoux, Karel Haegeman (Joint Research Centre,  
European Commission) and Thomas Zacharewicz (Universidad de Sevilla)

## **TRACK 4: Feminist Futures** **56**

### **SESSION 6: Feminist Futures** **56** Chair: **Dana Wasserbacher**

- **Fostering Adolescent Girls’ and Young Women’s Collective Intelligence for Global Advocacy and Policy Making** **57**  
Thays Prado (Feminist Futures)
- **Feminine AI – Artistic Strategies for Questioning AI in Creative Practices** **58**  
Claudia Larcher
- **Quantum Feminist Futures: A Transformative Approach to Future-Oriented Collective Intelligence** **59**  
Steven Lichty (Frontline Futures)

## TRACK 5: Beyond EU Horizons 61

### SESSION 7: Beyond EU Horizons 61

Chair: Masafumi Nishi

- **Society and Science in the 12th Japanese S&T Foresight Survey: Insights from Visioning and Delphi Analysis** 62  
Asako Okamura and Yasuhiro Ogura  
(National Institute of Science and Technology Policy, Japan)
- **The Future of EU-LAC Research Infrastructure Collaboration through the Lens of Institutional Capacity for Mission-Oriented Innovation** 63  
Jorge Tiago Martins (Foresight and Data Economy, VTT Technical Research Centre of Finland) and Giovanna Sanchez Nieminen (Ethics and Responsibility of Innovations, VTT Technical Research Centre of Finland)
- **Learning from each other: How technology scouting and scenario building for international development can be mutually beneficial – the interdisciplinary case of the Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) and the German Aerospace Center (DLR)** 64  
Falk Kunadt (German Aerospace Center, DLR) and  
Moritz Hunger (Deutsche Gesellschaft für Internationale Zusammenarbeit, GIZ)

### SESSION 15: Futures with Youth 65

Chair: Masafumi Nishi

- **Inclusive Futures: Enhancing Youth Engagement in Collective Intelligence and Decision-Making** 66  
Lourdes Rodriguez (Teach the Future)
- **Amplifying new voices in Foreign Policy by leveraging collective intelligence for inclusive global governance** 67  
Elena Sommaruga, Maximilian Rau and Luana Nava  
foraus – the Swiss Forum on Foreign Policy)
- **Advancing South Asian Youth Futures: Decolonizing Collective Intelligence for a Pluralistic Tomorrow** 68  
Mehek Khanna (Wicked Acceleration Labs, Imperial College Business School)

## TRACK 6: Technology and Innovation Foresight 69

### SESSION 8: Technology and Innovation Foresight 69

Chair: Mikkel Stein Knudsen

- **Designing the Futures of Aviation through Collective Intelligence in Technology Research** 70  
Stefanie Ollenburg (Freie Universität Berlin)
- **Methodology to Assess the Future Potential of Technologies** 71  
Aleyna Kirmizi (Turkish Aerospace)
- **Anticipatory organisations and future-oriented regulation: Emerging policy pathways in marine logistics and pharmaceutical industry** 72  
Mikkel Knudsen (Finland Futures Research Centre), Toni Ahlqvist (Turku School of Economics), Ville Lauttamäki and Tero Villman (University of Turku, Finland)

## TRACK 7: Foresight for Education 74

### SESSION 18: Foresight for Education 74

Chair: **Cristiano Cagnin**

- **GenZlandia: Anticipating the future workforce through collective intelligence and foresight** 75  
Diana Stafie (Founder Future station and Foresight Consultant, Romania)
- **Future Vision for Continuing Skills Development** 76  
Lidia Salvatore, Ramona David Craescu, Vlasis Korovilos, Jiri Branka (European Centre for the Development of Vocational Training) and Effie Amanatidou (Honorary Senior Research Fellow University of Manchester)
- **Future-oriented collective intelligence to envision the future of education and learning enabling decisions that embrace complexity and treat uncertainty as a resource** 77  
Cristiano Cagnin (European Training Foundation)

## TRACK 8: Global Risks 79

### SESSION 10: Global Risks 79

Chair: **Susanne Giesecke**

- **Accelerating Collective Intelligence for Catastrophic Risk Assessment: Lessons from the SIMMER Project** 80  
Jessica Bland (University of Cambridge)
- **Using Collective Intelligence for Crisis Preparedness in Estonia: An Action Research Approach** 81  
Johanna Vallistu (TalTech Ragnar Nurkse department of innovation and governance, Estonian Institute for Futures Studies (EIFS)) and Erik Terk (Tallinn University)

## TRACK 9: Creative and Experimental Foresight Approaches 82

### SESSION 13: Co-Design and Serious Games Approaches 82

Chair: **Renata Mandzhieva**

- **From Curious Machines to Collective Foresight: Exploring Human-Machine Synergies** 83  
Luca Morena and Kent Danielsson (Nextatlas)
- **Harnessing Collective Intelligence Through Speculative Design: Co-Creating Policy Frameworks for Smart Glasses in Public Spaces** 84  
Tehilla Shwartz Altshuler (Israel Democracy Institute) and Romi Mikulinsky (Aalto University)

### SESSION 14: FOCl: Futures-Oriented Creative Intelligence 86

Chair: **Renata Mandzhieva**

- **Performance for Futures: embodying future-oriented collective intelligence** 87  
Pedro de Senna (Brazilian Association of Futurists)
- **Anticipating Futures: Collective Intelligence in Trend Forecasting** 88  
Meryem Laghmari (Université Paris Nanterre-LESC)
- **From Vision to Innovation: Exploring the role of Art-Tech Collaboration for Ethical and Sustainable Futures** 89  
Tatiana Efremenko, Maria Rita Canina, Carmen Bruno and Eva Monestier (Politecnico di Milano)

<b>TRACK 10: Future Imaginaries</b>	<b>90</b>
<b>SESSION 16: Future Imaginaries</b>	<b>90</b>
Chair: <b>Bianca Dragomir</b>	
• <b>Using Experiential Emotional Futures Methods to create the Coastodians Project: charting Scotland's Future</b> Gabby Morris (Feeldwork Futures)	91
• <b>Fictional Technofutures – Popcultural repositories to collectively imagine futures</b> Wenzel Mehnert (AIT Austrian Institute of Technology)	92
• <b>Resisting Dystopia: how Anti-Dystopian Stories and Narratives can Inspire Justice, Solidarity and Change</b> Isabella Hermann (Stiftung Zukunft Berlin)	93
<b>SESSION 17: Future Imaginaries</b>	<b>94</b>
Chair: <b>Bianca Dragomir</b>	
• <b>Unboxing the Imaginary: Imagination in the Service of Future-Oriented Collective Intelligence in 'Hi-Tech' Innovation Processes</b> Limor Samimian-Darash, Amit Sheniak and Nir Rotem (Hebrew University of Jerusalem)	95
• <b>Abductive Heuristics in Futures Sensemaking: Learning from Practitioners' Experience in Collective Navigation of Complex Systems</b> Travis Kupp (Arizona State University)	96
• <b>Foresight as a locus for co-creating and deliberating sociotechnical imaginaries</b> Bianca Dragomir (Institutul de Prospectiva)	97
<b>TRACK 11: Theory</b>	<b>99</b>
<b>SESSION 19: Theory</b>	<b>99</b>
Chair: <b>Dana Wasserbacher</b>	
• <b>Why, where and what are collectives in R&amp;I policy-oriented foresight?</b> Max Priebe (Fraunhofer ISI)	100
• <b>Mapping Theory and Practice of Futures-Oriented Collective Intelligence</b> Stefan Bergheim (Center for Societal Progress and FUON Futures)	101
• <b>An empirical agent-based model for Regional Twin Transition Pathways: Ideas for model enrichments through foresight</b> Katharina Jäger, Theresa Bürscher, Thomas Scherngell, Martina Neuländtner, Michael Bernstein and Dana Wasserbacher (AIT Austrian Institute of Technology)	102
• <b>Comparing two members of the FOCL family: Can and should Futures Literacy and Foresight talk to each other?</b> Attila Havas (HUN-REN Centre for Economic and Regional Studies) Dana Wasserbacher (AIT Austrian Institute of Technology)	103

<b>WORKSHOPS</b>	<b>104</b>
<b>Workshop I:</b>	<b>105</b>
<b>The Role of AI in Future Studies and Foresight: Balancing Promise and Peril</b> Victor van Rij (Forsociety)	
<b>Workshop II:</b>	<b>105</b>
<b>“Co-futuring: the art of interactive FOCI building”</b> Joe Ravetz (University of Manchester)	
<b>Workshop III:</b>	<b>106</b>
<b>Stories That Spur Action – Becoming Conscious of the Narrative Structures We Use to Talk About the Future and Innovation</b> Dominik Kramer (Freie Universität Berlin/ Fraunhofer ISI)	
<b>Workshop IV:</b>	<b>106</b>
<b>Backbones and Collective Intelligence: Emerging practices and cultures in Future-Oriented Collective Intelligence</b> Jonathan Blanchard Smith (SAMI Consulting) and Patricia Lustig (LASA Insight Ltd)	
<b>Workshop V:</b>	<b>107</b>
<b>TechEthos – A Serious Game for discussing ethics of emerging technologies</b> Wenzel Mehnert (AIT Austrian Institute of Technology)	
<b>FEN Annual Meeting:</b>	<b>107</b>
<b>Collective Intelligence in European Foresight’s Pasts and Futures</b> Lena Tünkers and Thays Prado (Foresight Europe Network)	

# INDEX OF AUTHORS

- Apostol, Iuliana Adina
- Bentoux, Laurent; Bock, Anne-Katrin
- Bergheim, Stefan
- Blanchard Smith, Jonathan
- Bland, Jessica
- Braun, Anette; Holtmannspötter, Dirk; Rijkers-Defrasne, Sylvie; Abdel-Galil, Amina; Zweck, Axel
- Cagnin, Cristiano
- Cuhls, Kerstin; Banchs-Piqué, Miquel; Voglhuber-Slavinsky, Ariane
- Dragomir, Bianca
- Efremenko, Tatiana; Canina, Maria Rita; Bruno, Carmen; Monestier, Eva
- Ferrari, Arianna; Mehnert, Wenzel
- Gheorghiu, Radu
- Giesecke, Susanne
- Giuffrè, Giovanna; Cassolà, Daniel; Malcotti, Valentina
- Golob, Blaž
- Gáspár, Judit; Amanatidou, Effie
- Havas, Attila; Wasserbacher, Dana
- Heinonen, Sirkka
- Hermann, Isabella
- Hohendanner, Michel; Ullstein, Chiara; Grossklags, Jens
- Jäger, Katharina; Bürscher, Theresa; Scherngell, Thomas; Neuländtner, Martina; Bernstein, Michael; Wasserbacher, Dana
- Khanna, Mehek
- Kirmizi, Aleyna
- Knudsen, Mikkel; Ahlqvist, Toni; Lauttamäki, Ville; Villman, Tero
- Kramer, Dominik
- Kruse, Martin; Warnke, Philine
- Kunadt, Falk; Hunger, Moritz
- Kupp, Travis
- Könnölä, Totti; Havas, Attila
- Laghmari, Meryem
- Larcher, Claudia
- Lichty, Steven
- Malcheva, Petranka
- Martins, Jorge Tiago; Sanchez Nieminen, Giovanna
- Mathieu, Yves
- Matti, Cristian; Bontoux, Laurent; Zacharewicz, Thomas; Haegeman, Karel
- Mehnert, Wenzel
- Morena, Luca; Danielsson, Kent
- Morris, Gabby
- Müller, Jeanette; Divjak, Paul
- Niederhafner, Stefan; Albert, Bernhard
- Okamura, Asako; Ogura, Yasuhiro
- Ollenburg, Stefanie
- Pazour, Michal; Hebáková, Lenka
- Popper, Raffael; Popper, Monika
- Prado, Thays
- Priebe, Max
- Ravetz, Joe
- Richter, Daniel; Wagner, Sebastian
- Rodriguez, Lourdes
- Salvatore, Lidia; David Craescu, Ramona; Korovilos, Vlas; Branka, Jiri; Amanatidou, Effie
- Samimian-Darash, Limor; Sheniak, Amit; Rotem, Nir
- Shaeva, Olga; Khlopov, Nikolay
- Schwartz Altshuler, Tehilla; Mikulinsky, Romi
- Sommaruga, Elena; Rau, Maximilian; Nava, Luana
- Stafie, Diana
- Tünkers, Lena; Prado, Thays
- Vallistu, Johanna; Terk, Erik
- Winzer, André
- de Saussure, Marlène; Bovenschulte, Marc; Noak, Nicolas
- de Senna, Pedro
- van Kempen, Jasper; Yagafarova, Anastasia; van Oosteren, Carine; Geurts, Amber
- van Rij, Victor

# From Vision to Innovation: Exploring the role of Art-Tech Collaboration for Ethical and Sustainable Futures

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The current innovation landscape, shaped by digital transformation and increasing complexity, forces businesses and innovators not only to enhance their technological and innovation capacities but also to address sustainable and societal challenges. To achieve this, it is essential to rethink creative approaches to innovation, moving beyond traditional human-centered frameworks that often lack future-oriented and inclusive visions. Instead, a more holistic conception of innovation - one that prioritizes planetary well-being and future generations - is needed. Collaboration between art and technology emerges as a promising avenue, enabling artists and companies to collectively design sustainable solutions and contribute to societal and environmental impact. While such collaborations offer significant opportunities, they are often hindered by challenges. A key obstacle is the absence of a strategic, vision-led process, when such initiatives frequently implemented in an ad hoc manner.

This article explores the potential of Art-Tech collaboration for innovation driven by a futures-thinking approach, grounded in the Horizon Europe MUSAE project. The project seeks to overcome collaboration challenges by defining a novel model - the Factory Model - which leverages futures thinking to facilitate cross-disciplinary dialogue between arts and technology. To achieve this, the Factory Model was developed based on the Design Futures Art-driven (DFA) methodology, along with the training and mentoring formats for the participants. Two art-tech residencies were conducted to test the model, involving 23 artists and 11 SMEs. As a result, twelve future scenarios and eleven future-driven concepts were developed on the theme of Food as Medicine.

The art-tech experiments highlighted the value of future scenarios created by artists to anticipate changes through researching current trends and signals, and then crafting future scenarios, featuring future personas and artifacts. This approach grounded in trend research makes future scenarios tangible and comprehensible for SMEs, opening up for them a broad spectrum of possibilities for innovation. Additionally, the experiments underscored the value of future-driven concepts, which were collectively created by artists and SMEs. Future-driven tech concepts fostered innovative ideas to be grounded in ethical, environmental, and social considerations, where artists were fundamental to raising critical questions and assessing the future impact of the technological concepts with the SMEs.

This paper concludes that the Factory Model can enhance collective and interdisciplinary intelligence in futures-oriented practices across artists, designers, and SMEs. Moreover, this interdisciplinary framework for collaboration and innovation, rooted in a futures-oriented approach, has the potential to be applied across diverse settings, including tech innovation, education, and research. Thus, the potential of creating future scenarios and future-driven concepts is highlighted as an approach to foster innovation through anticipation of the impacts of technological advancements on people and the planet, storytelling and worldbuilding, collective exploration, and future-oriented outlook in preferable futures.



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