

5-7 April, 2022





https://www.ai-fora.de





Pre-announcement of new AI FORA workshop at central project Safe Space in Assisi, Italy

The role of AI for global social goods provision in times of crisis:

How the world deals with the war in Ukraine



Al FORA partner **Oleksandr Khzhniak**, Department of Social Sciences, V.N.Karazin Kharkiv National University, Ukraine





Funders and sponsors



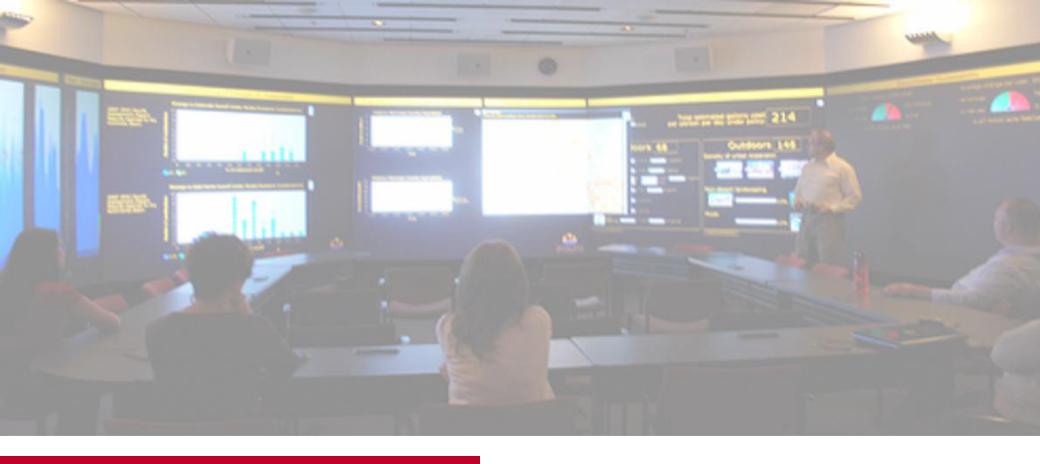
Dipping into the agenda





Some partners still had issues with travelling due to the pandemics: Hybrid elements





About (and who-is-who)





Artificial Intelligence and the Society of the Future

Usually, technology production is strongly expert-driven and disconnected from society in many ways





Gap between technology production and society
Technology production is challenged to improve "bad AI"

Explainable?
Transparent?
Ownership?

Required:
An eye-level cooperation of
Social science and computer science







4 core partners

Social science





- Petra Ahrweiler, TISSS Lab, Johannes Gutenberg University Mainz, Germany
- Nigel Gilbert, CRESS, University of Surrey, UK

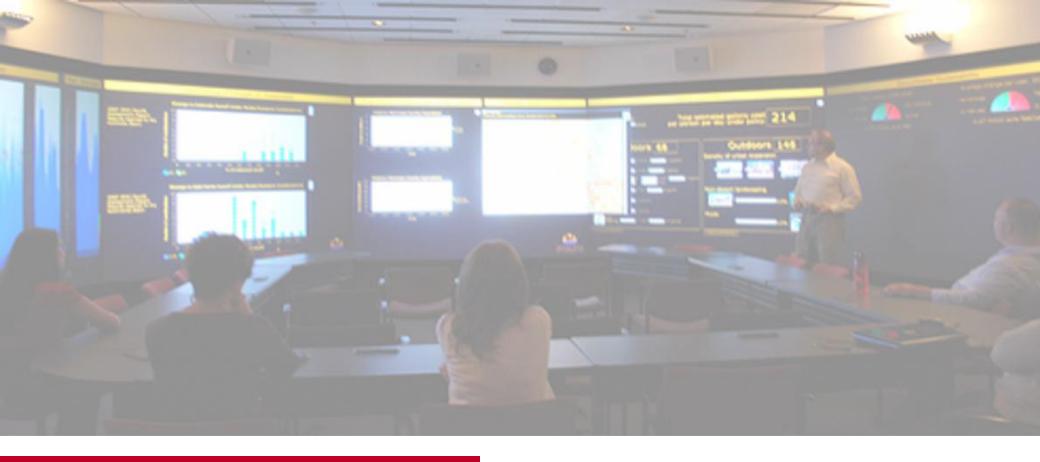
Computer science





- Elisabeth André, Human-Centered Al, University of Augsburg, Germany
- George Kampis, German Research
 Center for Artificial Intelligence DFKI





AI FORA approach

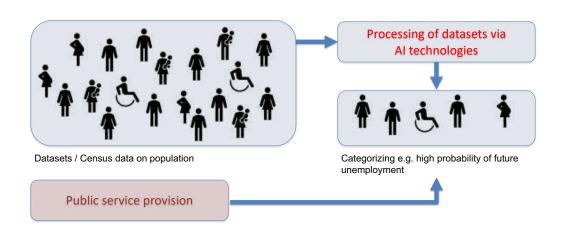
Workpackage 4

Lead: TISSS Lab, JGU



Al technologies used for social assessment in public service provision of national welfare systems

- In more and more countries, public administrations increasingly use Artificial Intelligence (AI) algorithms to decide on social service provisions and state benefits among their citizens.
- In our research context, AI means machine learning techniques for the profiling and scoring of individuals, accompanied by automated decision-making.
- Decisionmaking is highly value-laden: Present and future human behaviour needs to be categorised on scales such as legal recipients/fraudulent recipients, deserving/nondeserving, needy/non-needy, high-performing/low-performing, desirable/non-desirable, or acceptable/not-acceptable.



Values are key



Values are a feature of society

Values are context-bound: What is perceived as "social justice" in a national welfare system largely depends on cultural context

- What is considered as "fair" in one country, might be considered as severe discrimination practice in another
- Also, acceptance of Al use for public policy vary between countries

Attitudes not only vary between countries but also within countries between societal groups

Context is key





Who can improve current systems?

Improve issues around bias and discrimination trying to make AI systems more fair

Develop AI in relation to cultural context closing the gap between technology production and societal value propositions

Participation is key

Develop better AI in co-design

- cannot be done by one individual or one societal subsystem, but requires expertise and perspectives of all parts of society
- Multiple Stakeholders, including vulnerable populations who need empowerment





Safe Spaces at Intermediary Partners

Main risk of failure in AI FORA: Successfully engaging societal stakeholders on all levels

To develop ethically and societally responsible AI requires interaction between heterogeneous stakeholders from all kinds of backgrounds, who need "voice" to communicate on eye-level without being preconfigured and constrained by the environment where these encounters take place.

This needs to happen in a "safe space", that is a neutral but supportive place of non-violent communication, where equal opportunities for confidentially speaking up and for participatory decision making are provided.

Mitigation of risk in AI FORA: The "Safe Spaces" concept

You will hear more about the Safe Spaces concept

Tomorrow, 09.45 CET: Safe Spaces and Ethical Observatory (here)



Br. Johannes Tebbe OSBInternational Safe Spaces Coordinator



Ahrweiler, P. Tebbe, J., Hickey, M., Marseille, J., Gasch, M., Consiglio, C., Yator, M., Dorathick, R. (2022, im Erscheinen): Benedictine Monasteries as "Safe Spaces". A cooperation with social science to meet the great social challenges of the future. Erbe und Auftrag Heft 2/2022 (in German, English translation available)

Scientific Advisory Board

















- **Veronika Cummings**, Professor for Human Geography, Johannes Gutenberg University Mainz, Germany
- **Simone Fischer-Hübner**, Professor of Computer Science, Karlstad University, Sweden
- Aoibheann Gibbons, SMARTlab, University College Dublin, Ireland
- Gert Jan Hofstede, Professor of Artificial Sociality, Wageningen University,
 The Netherlands
- Gerhard Kruip, Professor for Christian Anthropology and Social Ethics,
 Johannes Gutenberg University Mainz, Germany
- Iris Lorscheid, Digital Business and Data Science, University of Applied Sciences Europe, Germany
- **Gianluca Misuraca**, Senior Scientist in Digital Government Transformation, European Commission, Joint Research Centre, Seville, Spain
- Tome Sandevski, Mercator Policy Fellowship Programme, Goethe University Frankfurt, Germany



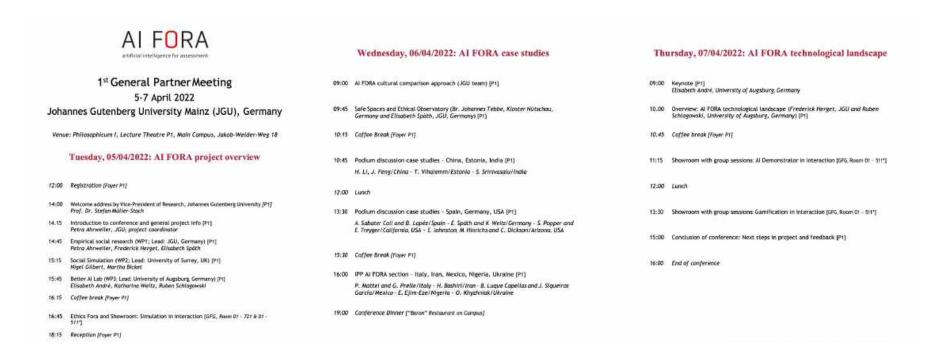
Bringing Al and societies together

- All country contexts contain issues of bias and discrimination of and against diverse populations - these are transported/enforced in Al systems
- To identify critical issues and improve AI systems, the dynamic value system of societies needs to be brought close to technology production
- AI FORA analyses value/context dependency in AI-based social assessment comparing eleven countries as case studies,
- identifies technology/society gaps and
- develops chances for improving policies for contextualized AI systems that are responsive to value dynamics in societies

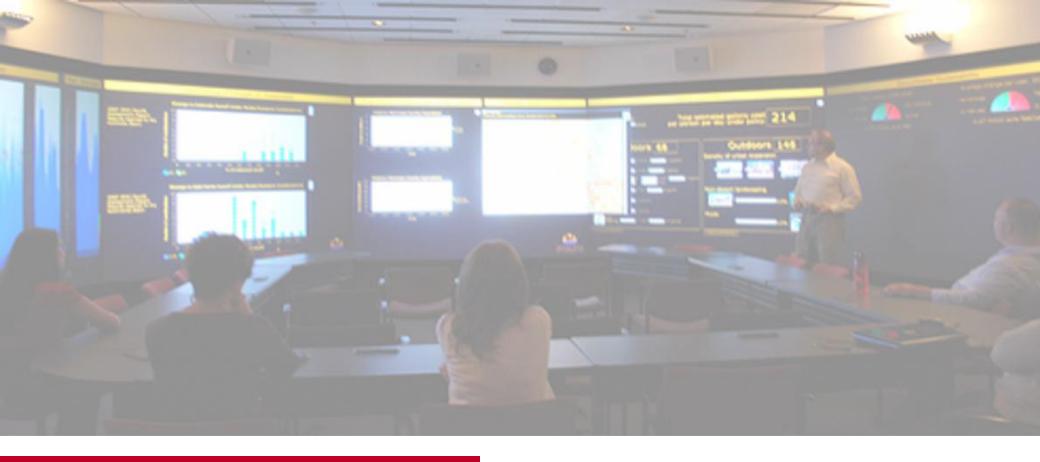


Work of WP 4 on the agenda of this meeting

- Now (here)
- Today, 16.45 CET: Showroom Ethics Fora (GFG, Room 01 721 & 01 511)
- Tomorrow, 09.00 CET: AI FORA cultural comparison approach (here)
- Tomorrow, 09.45 CET: Safe Spaces and Ethical Observatory (here)
- Thursday, 10.00 CET: Overview: AI FORA technological landscape (here)
- Thursday, 15.00 CET: Next steps in project (here)







Empirical social research

Workpackage 1



Lead: TISSS Lab, JGU



11 case studies to investigate how cultural values affect Al-based social assessment for public service provision

- Fairness concept of public welfare policy in a case study country based on a current categorisation system for social assessment
- Current implementation of fairness concept in administrative practices
- Welfare gaps and scenarios of desired system as identified by social context (assessment of welfare indices, dealing with vulnerable groups, addressing bias and discrimination, addressing corruption and fraud, what back-up systems in place, what says public discourse/acceptance, are there policy reforms, what is the space of leeway etc.)
- (Policy advise on) Future implementation of fairness concept based on a desired categorisation system for assessment
- Value-sensitive AI Contextualised AI Participatory AI Dynamic AI





6 case study teams funded within AI FORA





India

 Sumathi Srinivasalu, Anthropology, University of Madras, India

• **Ebin Raj**, Indian Institute of Information Technology Kottayam, India

Social science

Computer science





- **Triin Vihalemm**, Communication Sociology, University of Tartu, Estonia
- Mikhel Solvak, Political Studies, University of Tartu, Estonia





6 case study teams funded within AI FORA





Spain

- Albert Sabater Coll, OEIAC, University of Girona, Spain
- Beatriz López, Computer Science, University of Girona, Spain

Social science



Computer science



China

- Hui Li, Shanghai Institute for the Sciences of Science, China
- Liang Xiaoyao, Computer Science,
 Shanghai Jiao Tong University



AI FORA artificial intelligence for assessment

Team California



USA



Team Arizona



USA

Social science

Computer science





Germany

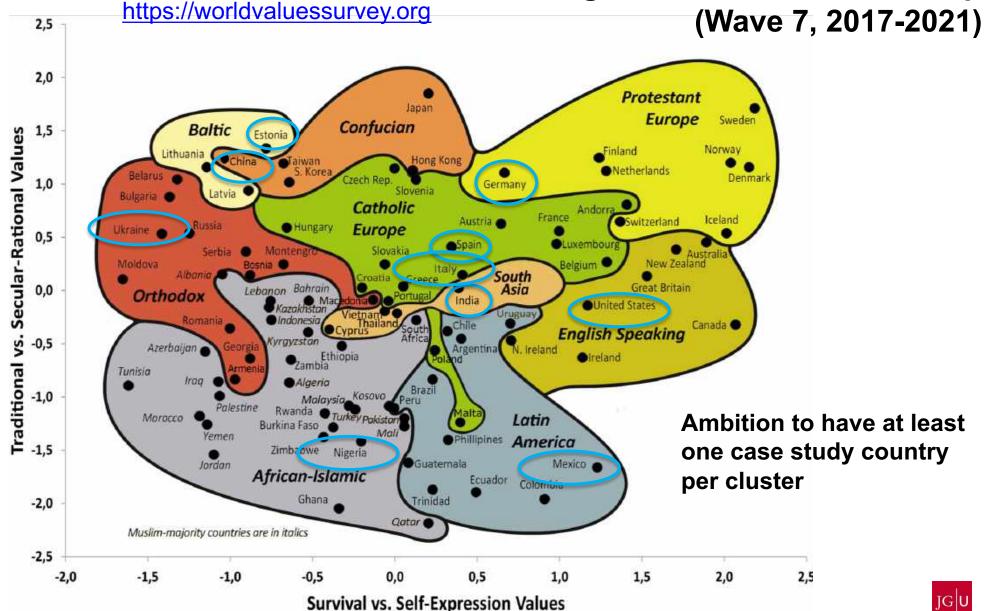
6 case study teams funded within AI FORA

- Steven Popper, RAND Corporation, Santa Monica, USA
- Elina Treyger, RAND Corporation, Santa Monica, USA
- Erik Johnston, Arizona State University, USA
- Margaret Hinrichs, Arizona State University, USA
- Chelsea Dickson, Arizona State University, USA

- Petra Ahrweiler, TISSS Lab, Johannes Gutenberg University Mainz, Germany
- Elisabeth André, Human-Centered Al, University of Augsburg, Germany



Rationale for choosing case study countries Inglehart-Welzel Cultural Map



5 further case studies funded outside AI FORA budget

Recently added

 Nigeria: Emmanuel Ejim-Eze (Department of Science Policy and Innovation Studies, National Centre for Technology Management Head Quarters, Obafemi Awolowo University)



Mexico: Jesús M. Siqueiros-Garcia (IIMAS Unidad Mérida, UNAM), Cristina
 Galíndez (Public Policy Laboratory in Mexico City), Blanca Luque Capellas



• Iran: Hassan Bashiri (Department of Computer Science, Hamedan University of Technology)



• Italy: Paola Mattei, Ginevra Prelle (University of Milan, Department of Social and Political Sciences)



• Ukraine: Oleksandr Khzhniak (Department of Social Sciences, V.N.Karazin Kharkiv National University)



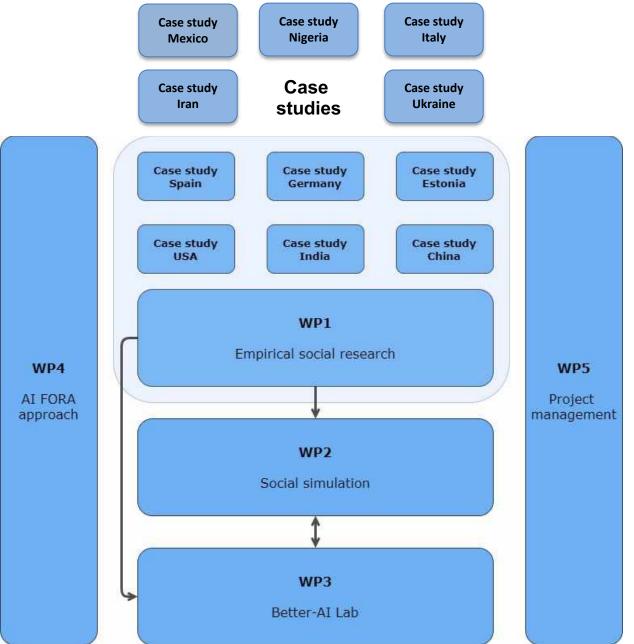
Work of WP 1 on the agenda of this meeting

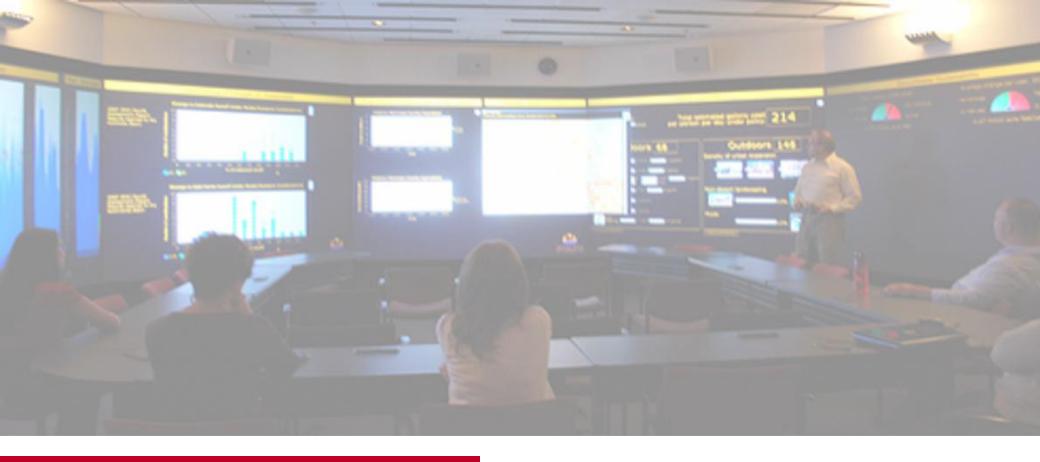
- Today, 14.45 CET: WP 1 update (here)
- Tomorrow, 10.45 CET: Podium discussion case studies China, Estonia, India (here)
- Tomorrow, 13.30 CET: Podium discussion case studies Spain, Germany, USA (here)
- Tomorrow, 16.00 CET: IPP AI FORA section Italy, Iran, Mexico, Nigeria, Ukraine (here)

	AI F <mark>O</mark> RA				
artificial intelligence für assessment			Wednesday, 06/04/2022: AI FORA case studies	Th	ursday, 07/04/2022: AI FORA technological landscape
	1st General Partner Meeting	09:00	Al FORA cultural comparison approach (JGU team) [P1]	09:00	Keynote [P1]
	5-7 April 2022				Elisabeth André, University of Augsburg, Germany
Johannes Gutenberg University Mainz (JGU), Germany		09:45	Sele Spaces and Ethical Observatory (Br. Johannes Tebbe, Kloster Nütschau, Germany and Elisabeth Späth, JGU, Germanys (P1)	10.00	Overview: Al FORA technological landscape (Frederick Herget, JGU and Ruben Schlogowski, University of Augsburg, Germany) [P1]
Venu	Venue: Philiosophicum 1, Lecture Theatre P1, Main Campus, Jakob-Welder-Weg 18		Coffee Break (Foyer P1)	10,45	Caffee break [Fayer PT]
	Tuesday, 05/04/2022: AI FORA project overview	10:45	Podium discussion case studies - China, Estonia, India [P1]	11:15	Showroom with group sessions: Al Demonstrator in interaction (GFG, Room 01 - 3)1*
			H. LI, J. Feng/China - T. Vihalemm/Estonia - 5. Srinivasalui India		
12:00	Registration (Fover PT)	12:00	Lunch	12:00	Lunch
14:00	Welcome address by Vice-President of Research, Juhannes Gutenberg University [P1] Prof. Dr. Stefan Müller-Stach	13:30	Podium discussion case studies - Spain, Germany, USA [P1]	11:30	Showroom with group sessions: Gamification in interaction [GFG, Room 0] - 5(1*]
14.15	Introduction to conference and general project info (P1) Petra Ahrweller, JGU; project coordinator		A. Sabater Coll and B. Lopéz/Spain - E. Spáth and K. Weltz/Germany - S. Popper and E. Treyger/California, USA - E. Johnston, M. Hinrichs and C. Dickson/Arizona, USA		
14:45	Empirical social research (MP1; Lead: JGU, Germany) [P1] Petra Ahrweller, Frederick Herget, Elisabeth Späth		20.000	15:00	Conclusion of conference: Next steps in project and feedback [P1]
15:15	Social Simulation (WP2: Lead: University of Surrey, UK) [P1] Nigel Gilbert, Martha Bicket		Coffee Break (Fayer P1)	16:00	End of conference
15:45	Better Al Lab (WP): Lead: University of Augsburg, Germany) [P1] Elisabeth André, Kotharina Weltz, Ruben Schlasowski	16:00	IPP AI FORA section - Italy, Iran, Mexico, Nigeria, Ukraine [P1] P. Mattei and G. Prelle/Italy - H. Bashiri/Iran - B. Luque Capellas and J. Siqueiras		
16.15	Coffee break (Fayer P1)		Garcia/Mexico - E. Ejim-Eze/Nigeria - O. Khyzhniak/Ukraine		
16:45	Ethics Fora and Showroom: Simulation in interaction (GFG, Aware 0 $^{\circ}$ - 721 6 0 $^{\circ}$ - 511 $^{\circ}$	19:00	Conference Dinner ["Baron" Restaurant on Compas]		
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The workpackages





Social simulation

Workpackage 2

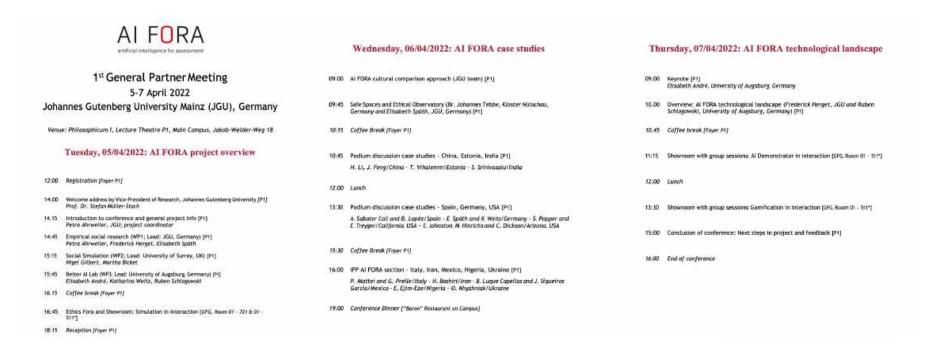


Lead: CRESS, University of Surrey



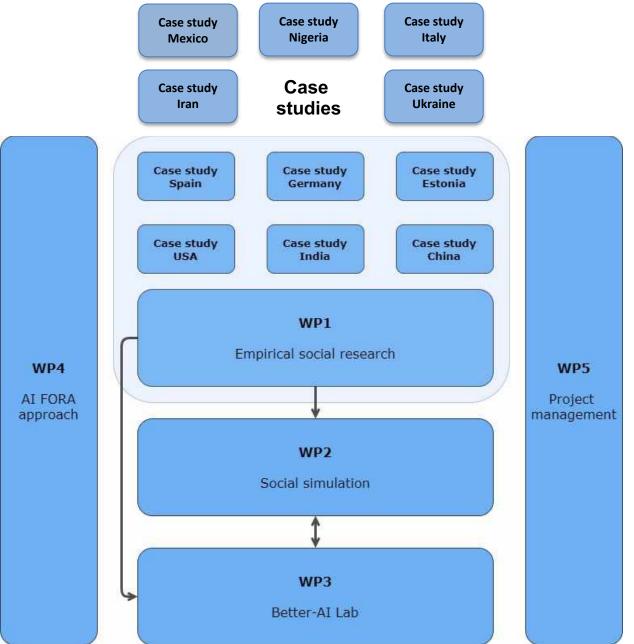
Work of WP 2 on the agenda of this meeting

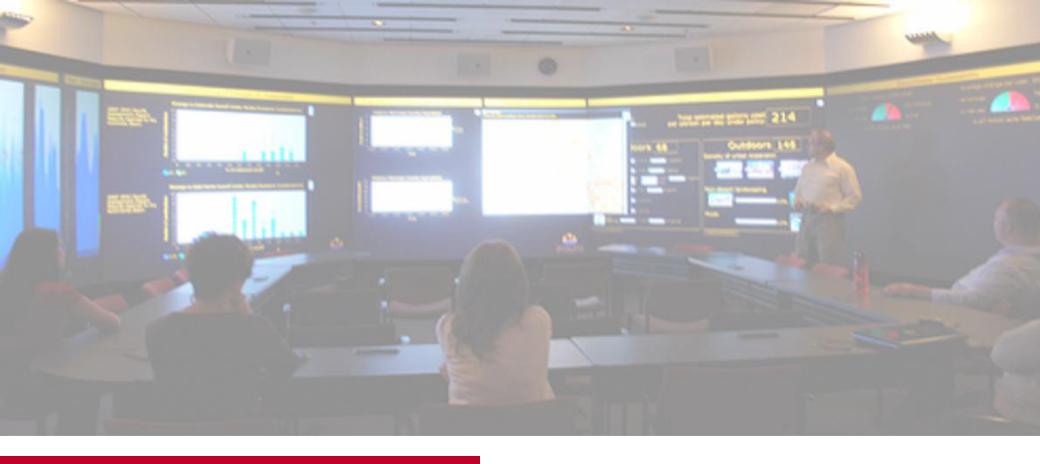
- Today, 15.15 CET: WP 2 update (here)
- Today, 16.45 CET: Showroom Simulation in interaction (GFG, Room 01 – 721 & 01 – 511)





The workpackages





Better-Al Lab

Workpackage 3



Lead: Human-centered AI, University of Augsburg



Work of WP 3 on the agenda of this meeting

Today, 15.45 CET: WP 3 update (here)

Thursday, 9.00 CET: Keynote: Al-Based Decision-Making: Challenges and Pitfalls (here)

Thursday, 11.15 CET: Showroom - AI Demonstrator in interaction (GFG, Room 01 – 511)

Thursday, 11.15 CET: Showroom - Gamification in interaction (GFG, Room 01 – 511)

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Venue:	Venue: Philosophicum I, Lecture Theatre P1, Main Campus, Jakob-Welder-Weg 18		Coffee Break (Foyer P1)	10,45	Caffee break [Foyer P1]
7	Tuesday, 05/04/2022: AI FORA project overview	10:45	Podium discussion case studies - China, Estonia, India [P1]	11:15	Showroom with group sessions: Al Demonstrator in interaction [GFG, Room 01 - 511*]
			H. Li, J. Feng/China - T. Vihalemm/Estonia - S. Srinivasalui India		
12:00	Registration (Faxer PT)	12:00	Lunch	12:00	Lunch
	Welcome address by Vice-President of Research, Johannes Gutenberg University [P1] Prof. Dr. Stefan Millier-Stoch	13:30	Podium discussion case studies - Spain, Germany, USA [P1]	13:30	Showroom with group sessions: Gamification in Interaction [GFG, Room 01 - 511*]
	Introduction to conference and general project info (P1) Petra Ahrweller, JGU; project coordinator		A. Sabater Coll and B. Lopéz/Spain - E. Späth and K. Weltz/Germany - S. Popper and E. Treyger/California, USA - E. Johnston, M. Hinrichs and C. Dickson/Arizona, USA		
	Empirical social research (WP1; Lead: JGU, Germany) [P1] Petra Ahrweller, Frederick Herget, Elisabeth Späth			15:00	Conclusion of conference: Next steps in project and feedback [P1]
	Social Simulation (WP2: Lead: University of Surrey, UK) [P1] Nigel Gilbert, Marcha Bicket	15:30	Coffee Break (Foyer P1)	16:00	End of conference
	Better Al Lab (WP): Lead: University of Augsburg, Germany) [P1] Elisabeth André, Kotharina Weitz, Ruben Schlaeowski	16:00	IPP At FORA section - Italy, Iran, Mexico, Nigeria, Ukraine [P1] P. Matter and G. Prelie Italy - H. Bashiri Iran - B. Luque Capellas and J. Sloueiros		
	Coffee break (Fayer P1)		Garcia/Mexico - E. Ejim-Eze/Nigeria - O. Khyzhniak/Ukraine		
	Ethics Fora and Showroom: Simulation in interaction (GFG, Rese 0) - 721 & 0) - 5117	19:00	Conference Dinner ["Baron" Restaurant on Campios]		



- Coffee breaks (in Foyer close to registration)
- Lunch on campus (vouchers in your bag)
- Conference Reception tonight (in Foyer)
 - Drinks
 - **Snacks**
- Conference Dinner tomorrow (in Restaurant Ba



Food! and organisation

JGU conference team - here to help you!



Elisabeth Späth



Jan Gruca



Claudia Herz



Frederick Dario Herget



Brockschmidt Neumann



Martin



Blanca Luque



Tobias Brinck

