

SRA-E 2018: Risk & Uncertainty – From Critical Thinking to Practical Impact (SRA-E 2018)

Mid Sweden University, Östersund, Sweden, 18–20 June 2018

Sunday, 17 June	
17:30 - 19:30	Cocktail & Registration Nationalmuseum Jamtli, Address: Museiplan, Östersund
Monday, 18 June	
08:30 - 09:00	Registration opens Foyer, building G
09:00 - 09:30	Opening ceremony Auditorium, F214
09:30 - 10:15	Session: KEYNOTE Ann Enander: Prepared to lay life on the line: the everyday of high-risk professions Room: Auditorium, F214 Chair/s: Anna Olofsson
	A2-01 Keynote abstract <u>Ann Enander</u> <i>Swedish Defence University, Karlstad, Sweden</i>
10:15 - 10:40	Fika
10:40 - 12:20	Session: Symposium – Navigating risk and uncertainty in on-line health communication Room: Auditorium, F214 Chair/s: Anna Olofsson
	S1-01 Symposium abstract <u>Anna Olofsson</u> ² , Anna Lydia Svalastog ¹ <i>¹ Ostfold University College, Fredrikstad, Sweden, ² Risk and Crisis Research Centre Mid Sweden University, Östersund, Sweden</i>
	S1-02

	<p>Knowledge in exchange for personal data – the vulnerability of individual quest for health through the digital "knowledge landscapes"</p> <p><u>Srecko Gajovic</u> <i>University of Zagreb School of Medicine, Croatian Institute for Brain Research, Zagreb, Croatia</i></p>
	<p>S1-03 An integrative bioethics approach to digital online communication</p> <p><u>Denis Kos</u> <i>Centre for integrative bioethics (Zagreb) and Department of information and communication sciences, Faculty of humanities and social sciences, University of Zagreb, Zagreb, Croatia</i></p>
	<p>S1-04 Personal health narratives as a risk management strategy in the digital society</p> <p><u>Anna Lydia Svalastog</u>¹, <u>Anne Leonora Blaakilde</u>¹ ¹ <i>Department of Health and Social Studies Østfold University College, Halden, Norway,</i> ² <i>PFI, Region Zealand,, Sorø, Denmark</i></p>
	<p>S1-05 Tap water: Safe and sound or risky business? Swedish parent's understanding of risks associated with drinking water</p> <p><u>Anna Olofsson</u>, Elin Montelius, Jens Ljungdahl <i>Risk and Crisis Research Centre, Östersund, Sweden</i></p>
	<p>S1-06 The Development of Digital Technologies as Institutionalization of Risk Communication</p> <p><u>Christian Fritz-Hoffmann</u> <i>Carl von Ossietzky University Oldenburg Working Unit „Sociological Theory“ Faculty 1 Social Sciences, Oldenburg, Germany</i></p>
10:40 - 12:20	<p>Session: Risk in everyday life, part I</p> <p>Room: F229 Chair/s: Nandini Anant</p>
	<p>S2-01 Exploring the Cushion Hypothesis in the real world</p> <p><u>Nandini Anant</u>, Alexa Spence, Richard Tunney <i>University of Nottingham, Nottingham, United Kingdom</i></p>
	<p>S2-02 Stable or currently changing? Visualizing the trajectories of risk perception over 1.5 years</p>

	<p><u>Nadine Lages</u>, Josianne Kollmann, Luka Johanna Debbeler, Hermann Szymczak, Britta Renner <i>University of Konstanz, Konstanz, Germany</i></p>
	<p>S2-03 Swedish expert stakeholders' attitudes toward regulation of nanotechnology <u>Magnus Jansson</u>, Simon Larsson, Åsa Boholm <i>University of Gothenburg, Göteborg, Sweden</i></p>
	<p>S2-04 Varietal Diversity of Potatoes in the Risk Society <u>Dominic Duckett</u>, Carla Barlagne <i>The James Hutton Institute, Aberdeen, United Kingdom</i></p>
10:40 - 12:20	<p>Session: Risk and decision analysis in critical infrastructure, part I Room: G1350 Chair/s: Pär Olausson</p>
	<p>S3-01 Blind Spots in Interaction between Actors in Swedish Planning for Critical Infrastructure Protection <u>Christine Grosse</u> ², <u>Pär Olausson</u> ¹ <i>¹ Risk and Crisis Research Center Mid-Sweden University, Östersund, Sweden, ² Risk and Crisis Research Center Mid-Sweden University, Sundsvall, Sweden</i></p>
	<p>S3-02 Dynamic risk assessment in the fire-fighting domain: the role of expert intuition <u>Justin Okoli</u> ¹, John Watt ² <i>¹ School of Strategy & Leadership Coventry University, William Morris Building, Gosford Street, COVENTRY. CV1 5DL, Coventry, United Kingdom, ² Centre for Decision Analysis and Risk Management. Middlesex University, London. NW4 4BT, Hendon Central, United Kingdom</i></p>
	<p>S3-03 Lessons still unlearned from nuclear disaster: Institutionalizing the role of integrating assorted information in the risk and emergency management framework <u>Shin-etsu Sugawara</u> ¹, Kohta Juraku ² <i>¹ Central Research Institute of Electric Power Industry, Tokyo, Japan, ² Tokyo Denki University, Tokyo, Japan</i></p>
10:40 - 12:20	<p>Session: Practical impact of risk perception research, part I</p>

	<p>Room: G1351 Chair/s: Vivianne Visschers</p>
	<p>S4-01 Acceptable risk? Public acceptance of surveillance technology after terror strikes <u>Misse Wester</u>¹, Johan Giesecke² ¹ Division for risk management and societal safety. Lund university, Lund, Sweden, ² Karolinska Institutet medical university, Stockholm, Sweden</p>
	<p>S4-02 “Contradictio in opinionibus”: The Swiss public’s attitudes and beliefs about antibiotics and antibiotic resistance <u>Vivianne Visschers</u>, Vanessa Feck, Anne Herrmann <i>School of Applied Psychology, University of Applied Sciences and Arts Northwestern Switzerland, Olten, Switzerland</i></p>
	<p>S4-03 Global health governance in the context of risks and uncertainties <u>Marcia Grisotti</u>, Raphaela Rezende Nogueira Rodrigues <i>Federal University of Santa Catarina, Florianopolis, Brazil</i></p>
	<p>S4-04 One in ten nurses leave, what about the other nine? Influences on risk perception and decision-making in NHS hospitals <u>Chris Bennett</u> <i>King's College London, Peterborough, United Kingdom</i></p>
	<p>S4-05 Social perceptions, communication strategies and national security risks. Lessons learned from an applied research project <u>Valentin Nicula</u> <i>The National Institute for Intelligence Studies “Mihai Viteazul” National Intelligence Academy, Bucharest, Romania</i></p>
10:40 - 12:20	<p>Session: Methods and methodologies in risk research, part I Room: G1352 Chair/s: Barbara Tiozzo</p>
	<p>S5-01 Analysis of online contents on food risk using the web monitoring technique <u>Barbara Tiozzo</u>, Mirko Ruzza, Mosè Giaretta, Giulia Mascarello, Claudio Mantovani, Licia Ravarotto</p>

	<p><i>Istituto Zooprofilattico Sperimentale delle Venezie, Legnaro, Italy</i></p>
	<p>S5-02 A generic toolkit for probabilistic risk assessments <u>Ferdinand Diermanse</u>, Rob Brinkman, Didrik Meijer, Paul Holscher <i>Deltares, Delft, Netherlands</i></p>
	<p>S5-03 Calibrating experts' probabilistic assessments for improved decision making <u>Anca Hanea</u>¹, <u>Tina Nane</u>² ¹ <i>University of Melbourne, Melbourne, Australia</i>, ² <i>Technical University of Delft, Delft, Australia</i></p>
	<p>S5-04 Using statistical modelling methods to understand risk assessment in police custody. <u>Melanie-Jane Stoneman</u>¹, Lisa Jackson¹, Sarah Dunnett¹, Louise Cooke² ¹ <i>Aeronautical and Automotive Engineering, Loughborough University, Loughborough, United Kingdom</i>, ² <i>School of Business and Economics, Loughborough University, Loughborough, United Kingdom</i></p>
	<p>S5-05 Dynamic assessment of safety barriers preventing escalation in offshore Oil&Gas Roberto Bubbico¹, Shenae Lee², Daniel Moscati¹, <u>Nicola Paltrinieri</u>² ¹ <i>Department of Chemical, Materials and Environmental Engineering, "Sapienza" University, Rome, Italy</i>, ² <i>Department of Mechanical and Industrial Engineering, NTNU, Trondheim, Norway</i></p>
10:40 - 12:20	<p>Session: Risk management education and practice, part I Room: G1353 Chair/s: Nina Blom Andersen</p>
	<p>S6-01 A Model for Basic Structures for a New Theory of Social Interaction (Samhandling) under Risk Glenn Egil Torgersen¹, <u>Trygve Steiro</u>² ¹ <i>Norwegian Defence College, Oslo, Norway</i>, ² <i>Norwegian University of Science and Technology, Institute for Teacher Education, Trondheim, Norway</i></p>
	<p>S6-02 Characterizations and assessments of written plans –</p>

	<p>Emergency management in higher education <u>Nina Blom Andersen, Jesper Fløche</u> <i>Metropolitan University College, København N, Denmark</i></p>
	<p>S6-03 Geographic information in crisis communication <u>Ivar Svare Holand</u> <i>Nord University, Steinkjer, Norway</i></p>
	<p>S6-04 Perceptions of risk and mitigation regarding particulate matter exposure in roadwork companies: A qualitative assessment. <u>Thomas Stege</u>¹, John Bolte^{1, 2}, Liesbeth Claassen^{1, 3}, Danielle Timmermans^{1, 3} ¹ <i>National Institute for Public Health and the Environment (RIVM), Bilthoven, Netherlands,</i> ² <i>Smart Sensor Systems group, Faculty of Technology, Innovation, and Society, The Hague University of Applied Sciences, Delft, Netherlands,</i> ³ <i>Amsterdam Public Health research institute, Department of Public and Occupational Health, VU University Medical Center, Amsterdam, Netherlands</i></p>
10:40 - 11:00	<p>Session: Experience RCR Lab, a unique immersive simulation environment – Tour Room: Building P, 4th floor Chair/s:</p>
	<p>L1-01 Experience RCR Lab, a unique immersive simulation environment – Tour <u>Erna Danielsson</u> <i>Mid Sweden University Risk and Crisis Research Centre, Östersund, Sweden</i></p>
12:20 - 13:00	Lunch
13:00 - 13:30	SRA-E General Assembly Auditorium, F214
13:30 - 14:30	<p>Session: PANEL Difficult researchers! Parochial practitioners Room: Auditorium, F214 Chair/s: Per Sundström Can researchers and practitioners understand each other? Can we cooperate? Ideas, myths and truths about how we see each other and how we overcome barriers to cooperation. This panel/session provides insights into successful cooperation but also an understanding about the difficult path to get there. Organized by the Swedish Contingencies Agency (MSB).</p>

CHAIR:

Per Sundström, Head of Research at the Swedish Civil Contingencies Agency (MSB)

Per Sundström is since Jan 2016 Head of Knowledge development and Research, but has been with MSB since 2012. Within this section there is a number of activities all aiming at producing new knowledge or basis for decisions within Societal security. The section is also responsible for MSBs Research funding, with an annual budget of approximately 115 million SEK. Per has previous experience from the Swedish Defence Research Agency (FOI) and the Ministry of Defence. Per has a doctoral degree at The Royal institute of Technology (KTH, Stockholm) from 2005 within the area of innovation and product development.

PARTICIPANTS:

Annika Carlsson-Kanyama, Associate Professor, Strategic Sustainability Studies

Annika Carlsson Kanyama has PhD in natural resource management and currently work at KTH as a researcher and docent. She carries out research with relevance to climate change adaptation, urban agriculture and sustainable consumption patterns.

Alexander Cedergren, Associate senior lecturer, Division of Risk Management and Societal Safety, Lund university

Alexander Cedergren, PhD, is an Associate senior lecturer at the Division of Risk Management and Societal Safety at Lund University, Sweden. His main research interests include risk and vulnerability assessment and critical infrastructure resilience. He is affiliated to Lund University Centre for Risk Assessment and Management (LUCRAM) and Lund University Centre for Critical Infrastructure Protection (CenCIP).

Lina Ringberg, Coordinator of Disaster Risk Reduction, City of Malmö

Lina Ringberg works at the City Office Department of Societal Safety and Risk Management in the city of Malmö, Sweden. Lina has a Bachelor in Social Science with a specialisation on International crisis and conflict management. As a DRR, disaster risk reduction coordinator, the focus is both on prevention, preparedness and crisis management. As a DRR coordinator Lina has a broad network, cooperating with researchers among others.

Mirja Törnquist, Environmental engineer at the municipality of Gävle

	<p>Mirja Törnquist works at the Department of Spatial Planning at the Municipal Administration for City Planning, mainly with sustainable urban planning. She holds a MSc in Environmental and Water Engineering from Uppsala University, and a Bachelor degree in Education from University of Gävle.</p>
	<p>A4-01 Panel abstract <u>Per Sundström</u> <i>The Swedish Civil Contingencies Agency (MSB), Stockholm, Sweden</i></p>
14:40 - 15:40	<p>Session: Symposium – Risky Behavior: Investigating psychological determinants on an individual, social and situational level Room: Auditorium, F214 Chair/s: Susanne Gaube</p>
	<p>S7-01 Symposium abstract <u>Susanne Gaube</u>¹, <u>Hanna Heinrich</u>¹, <u>Eva Lermer</u>^{1,3}, <u>Bernhard Streicher</u>² ¹ <i>University of Regensburg, Regensburg, Germany</i>, ² <i>UMIT - University for Health Sciences, Hall in Tyrol, Austria</i>, ³ <i>FOM University of Applied Sciences Munich, Munich, Germany</i></p>
	<p>S7-02 Sugar increases risk appetite in people low in self-control – A pilot study <u>Eva Lermer</u>^{1,3}, <u>Michaela Pfundmair</u>², <u>Dieter Frey</u>² ¹ <i>University of Regensburg, Regensburg, Germany</i>, ² <i>LMU Munich, Munich, Germany</i>, ³ <i>FOM University of Applied Sciences Munich, Munich, Germany</i></p>
	<p>S7-03 The power of social norms in reducing risky health behavior <u>Susanne Gaube</u>¹, <u>Dimitrios Tzivrikos</u>², <u>Daniel Dollinger</u>³, <u>Eva Lermer</u>^{1,4} ¹ <i>University of Regensburg, Regensburg, Germany</i>, ² <i>University College London, London, United Kingdom</i>, ³ <i>Technical University of Munich, Garching bei München, Germany</i>, ⁴ <i>FOM University of Applied Sciences Munich, Munich, Germany</i></p>
	<p>S7-04 Introducing Risk Culture as a Framework for Risk Research and Interventions <u>Bernhard Streicher</u>¹, <u>Eric Eller</u>²</p>

	¹ University for Health Sciences - UMIT, Hall, Austria, ² Ludwig-Maximilian-University, Munich, Germany
14:40 - 15:40	<p>Session: Symposium – Security–Risk–Orientation: Risk analysis and knowledge transfer in the trinational metropolitan region Upper Rhine</p> <p>Room: F229 Chair/s: Alice Ragueneau</p>
	<p>S8-01 Symposium abstract <u>Alice Ragueneau</u> University of Strasbourg, Strasbourg, France</p>
	<p>S8-02 Distinguishing between effects from pesticide and other agricultural stress on freshwater ecosystems in Romanian streams <u>Moritz Link</u>, Verena Schreiner, Ralf B. Schäfer, Stefan Kunz, Nadin Graf, Katharina Frisch University of Koblenz-Landau, Germany, Landau, Germany</p>
	<p>S8-03 Framing Effects in Defender-Attacker Games – Results of an Economic Lab Experiment <u>Sascha Meng</u>, Marcus Wiens, Frank Schultmann Karlsruhe Institute of Technology, Karlsruhe, Germany</p>
	<p>S8-04 Revocable anonymisation in video surveillance: a digital cloak of invisibility <u>Linus Feiten</u>, Sebastian Weydner-Volkmann University of Freiburg, Freiburg, Germany</p>
14:40 - 15:40	<p>Session: Risk and decision analysis in critical infrastructure, part II</p> <p>Room: G1350 Chair/s: Christine Grosse</p>
	<p>S9-01 Comparative analysis of managerial decision-making in academic settings <u>Ivana Ilijasic Versic</u> CESSDA ERIC, Bergen, Norway</p>
	<p>S9-02 Deficiencies in the Information Basis for Decision-Making upon</p>

	<p>Swedish Critical Infrastructure Protection <u>Große Christine</u>, <u>Larsson Aron</u>, Björkqvist Olof <i>Mid Sweden University, Sundsvall, Sweden</i></p>
	<p>S9-03 On the communication of statistical information about uncertainty in flood risk management <u>P. Marijn Poortvliet</u>, Martin Knotters <i>Wageningen University, Wageningen, Netherlands</i></p>
14:40 - 15:40	<p>Session: Practical impact of risk perception research, part II Room: G1351 Chair/s: Samuel Domingos</p>
	<p>S10-01 Citizens and first line responder's beliefs about extreme heat weather events demands and coping resources <u>Samuel Domingos</u>¹, Rui Gaspar^{1, 2}, João Marôco¹, Hugo Fonseca³, Wändi Bruine de Bruin⁴ ¹ <i>William James Center for Research, ISPA-Instituto Universitário, Lisboa, Portugal</i>, ² <i>University of Algarve, Portugal, Faro, Portugal</i>, ³ <i>ISCTE-IUL, Instituto Universitário de Lisboa, Lisboa, Portugal</i>, ⁴ <i>Centre for Decision Research, Leeds University Business School, Leeds, United Kingdom</i></p>
	<p>S10-02 Managing Risk, Uncertainty, and Crisis in Electric Power Industry <u>Mohammad Ebrahimnezhad</u>, <u>Leili Roshan</u>, Amirhosein Sadeghidolatabadi <i>Graduate School of Management, Sharif University of Technology, Tehran, Iran, Tehran, Iran</i></p>
	<p>S10-03 Our energy choice: from the analysis of the combined data analysis of public opinion survey and focus groups in Japan <u>Midori Aoyagi</u> <i>National Institute for Environmental Studies, Tsukuba, Japan</i></p>
14:40 - 15:40	<p>Session: The unrecognized risk and crisis management, part I Room: G1352 Chair/s: Isabel Santos</p>
	<p>S11-01 Uncertainty, Risk Communication and Conspiracy Theories: the Recent Ebola Outbreak Response in the Shadow of Mistrust in Guinea</p>

	<p><u>Syna Ouattara</u> ¹, <u>Nikolas Århem</u> ² ¹ <i>Gothenburg Research Institute (GRI), Göteborg, Sweden,</i> ² <i>Department of cultural anthropology and ethnology, Uppsala University, Uppsala, Sweden</i></p>
	<p>S11-02 Unexpected Event: A Spatiotemporal Inadequacy? <u>Karim Hardy</u> <i>Embry-Riddle Aeronautical University, Daytona Beach, United States</i></p>
	<p>S11-03 Walking in circles: recurrent forest fires in Portugal <u>Isabel Santos</u> ^{1, 2}, <u>Lia Vasconcelos</u> ¹, <u>Susana Silva</u> ³ ¹ <i>MARE.NOVA/Faculdade de Ciências e Tecnologia, Universidade Nova de Lisboa, Almada, Portugal,</i> ² <i>Gê, environmental, risk communication & management consultancy, Palmela, Portugal,</i> ³ <i>ENB, Escola Nacional de Bombeiros, Sintra, Portugal</i></p>
14:40 - 15:40	<p>Session: Risk and Inequality, part I Room: G1353 Chair/s: Susanna Öhman</p>
	<p>S12-01 Re-decking the MacDonald Bridge: Lessons for Risk Governance, Risk Communication, and Managing the Public's Behavioural Responses <u>Calvin Burns</u> ¹, <u>Kevin Quigley</u> ² ¹ <i>University of Strathclyde, Glasgow, United Kingdom,</i> ² <i>Dalhousie University, Halifax, Canada</i></p>
	<p>S12-02 Preventing Terrorism: the Role of Equality <u>Saman Rashid</u> <i>Risk and Crisis Research Center, Mid Sweden University, Östersund, Sweden</i></p>
	<p>S12-03 Methodological applications: Exploring intersectional risk regimes <u>Susanna Öhman</u> <i>Mid Sweden University, Östersund, Sweden</i></p>
15:40 - 16:00	Fika
16:00 - 16:20	Guided Campus Tour Foyer, building G

16:20 - 18:00	<p>Session: The new landscape of social media and risk Room: Auditorium, F214 Chair/s: Wendy Rowan</p>
	<p>S13-01 Liquid provocations for risk and new media <u>Jamie Wardman</u> <i>Nottingham University Business School, The University of Nottingham, Nottingham, United Kingdom</i></p>
	<p>S13-02 Online Sexual Victimization in Youth: Predictors for Victimization and Associations to Depressive Symptoms in a Swedish Sample <u>Heléne Zetterström Dahlqvist</u>², Katja Gillander Gådin¹ ¹ <i>Mid Sweden University, Department of Health Sciences, Sundsvall, Sweden,</i> ² <i>Mid Sweden University, Department of Health Sciences, Sundsvall, Sweden</i></p>
	<p>S13-03 What's that nano doing in my soup? Understanding information sharing about nanotechnology in food products on social media <u>Margôt Kuttschreuter</u>¹, Femke Hilverda² ¹ <i>University of Twente, Enschede, Netherlands,</i> ² <i>Vrije University, Amsterdam, Netherlands</i></p>
	<p>S13-04 Disturbing the Clickwrap vortex of eConsent: Engaging the user to reduce risk. <u>Wendy Rowan</u>, Yvonne O'Connor, Ciara Heavin <i>Health Information Systems Research Centre, Business Information Systems, Cork University Business School, University College Cork., Cork, Ireland</i></p>
16:20 - 18:00	<p>Session: Symposium – Climate Change, Actors and the Allocation of Responsibility Room: F229 Chair/s: Lars Nyberg</p>
	<p>S14-01 Symposium abstract <u>Anna Olofsson</u>¹, Lars Nyberg² ¹ <i>Risk and Crisis Research Centre Mid Sweden University, Östersund, Sweden,</i> ² <i>Centre for Climate Security Karlstad University, Karlstad, Sweden</i></p>

	<p>S14-02 Introduction: Climate Change, Actors and the Allocation of Responsibility Mikael Granberg ¹, Lars Nyberg ¹, <u>Anna Olofsson</u> ² ¹ <i>Centre for Climate Security Karlstad University, Karlstad, Sweden,</i> ² <i>Risk and Crisis Research Centre Mid Sweden University, Östersund, Sweden</i></p>
	<p>S14-03 Rainfall intensity and other factors influencing insurance damage caused by floods. <u>Barbara Blumenthal</u>, Lars Nyberg <i>Karlstad University, Karlstad, Sweden</i></p>
	<p>S14-04 Natural hazards, accidents/disasters and data sources - 10 years of experience gathering data to MSB's Naturolycksdatabasen (NDB) <u>Magnus Johansson</u> <i>Centre for climate and safety, Karlstad university, Karlstad, Sweden</i></p>
	<p>S14-05 House owners' narratives on climate related risks: an intersectional analysis <u>Karin Jarnkvist</u> <i>Mid Sweden University, Sundsvall, Sweden</i></p>
	<p>S14-06 Swedish household's unwillingness to perform private flood risk reduction <u>Tonje Grahn</u> ¹, Henrik Jaldell ² ¹ <i>Center for climate and safety, Karlstad University, Karlstad, Sweden,</i> ² <i>Karlstad Business School, Karlstad University, Karlstad, Sweden</i></p>
16:20 - 18:00	<p>Session: Theoretical advancements in risk studies, part I Room: G1350 Chair/s: Jorge Gonzalez Ortega</p>
	<p>S15-01 Value Orientations Transition in Risk Society of Globalized China: Should we take actions for Others or for Ourselves? <u>Man Fang</u> <i>Institute for Advanced Sustainability Studies;, Potsdam, Germany</i></p>
	<p>S15-02 Systemic Risks – Concepts and Suggestions for Risk</p>

	<p>Governance <u>Pia-Johanna Schweizer</u> <i>Institute for Advanced Sustainability Studies, Potsdam, Germany, Potsdam, Germany</i></p>
	<p>S15-03 Adversarial Statistical Decision Theory: Embracing Adversarial Risk Analysis David Ríos Insua ¹, <u>Jorge González Ortega</u> ¹, David Banks ², Jesus Ríos ³ ¹ <i>Institute of Mathematical Sciences, CSIC-UAM-UC3M-UCM, Madrid, Spain,</i> ² <i>Department of Statistical Science, Duke University, Durham, United States,</i> ³ <i>Cognitive Computing Department, IBM Research Division, Yorktown Heights, United States</i></p>
	<p>S15-04 Analysing the Impact of Progress Payment Delays on Construction Projects Cashflow by Using Monte Carlo Simulation <u>Özlem TÜZ EBESEK</u> ¹, Şafak EBESEK ¹ ¹ <i>Mersin University, Mersin, Turkey,</i> ² <i>İstanbul Technical University, İstanbul, Turkey</i></p>
	<p>S15-05 Philosophy of Risk Within Complex Adaptive Systems <u>Kari Dakakni</u> <i>ISU, Ames, United States</i></p>
16:20 - 18:00	<p>Session: Risk management education and practice, part II Room: G1351 Chair/s: Ullrika Sahlin</p>
	<p>S16-01 A framework for Information Risk maturity <u>Per Strömsjö</u> <i>Omegapoint AB, Stockholm, Sweden</i></p>
	<p>S16-02 Risk Communication Challenges during the Fipronil incident <u>Carla Geijskes</u> <i>Netherlands Food and Consumer Product Safety Authority / Office for Risk Assessment and Research, Utrecht, Netherlands, Chair of Risk Assessment and Risk Communication / School for Nutrition, Toxicology and Metabolism / Maastricht University, Maastricht, Netherlands</i></p>
	<p>S16-03</p>

	<p>Risk inventory instruments and Risk profiles <u>Björn Guström</u> <i>Landstinget Dalarna, Säkerhet och miljöavdelningen, Falun, Sweden</i></p>
	<p>S16-04 Risk management strategies of the signal crayfish across Europe in 2018 <u>Ullrika Sahlin</u>¹, Lennart Edsman², Patrik Bohman² ¹ <i>Lund University, Lund, Sweden</i>, ² <i>Swedish University of Agricultural Sciences, Öregrund, Sweden</i></p>
16:20 - 18:00	<p>Session: Methods and methodologies in risk research, part II Room: G1352 Chair/s: Fatima Nasser</p>
	<p>S17-01 Assessing current regulatory methods for nanomaterial toxicity testing with Daphnia magna: updating traditional methods for novel materials to accurately determine risk. <u>Fatima Nasser</u>, Iseult Lynch <i>University of Birmingham School of Geography, Earth and Environmental Science, Birmingham, United Kingdom</i></p>
	<p>S17-02 Integration among safety and security protections in the risk evaluation of industrial process facilities <u>Gabriele Landucci</u>, Ruth Prins, Bibi van den Berg <i>Institute of Security and Global Affairs, Faculty of Governance and Global Affairs, Leiden University, Den Haag, Netherlands</i></p>
	<p>S17-03 Processes of governance failure in the nuclear industry and the assessment of governance risk <u>Jerry Busby</u>¹, Tom Anderson² ¹ <i>Lancaster University, Lancaster, United Kingdom</i>, ² <i>Bluestream Consulting, Penrith, United Kingdom</i></p>
	<p>S17-04 Searching for side-effects: an institutional analysis of knowledge accumulation on adverse drug reactions over the drug life-cycle <u>Jarno Hoekman</u> <i>Innovation Studies Group, Copernicus Institute of Sustainable Development, Utrecht University, Utrecht, Netherlands</i></p>
	<p>S17-05 Are current methods of risk identification fit for the 4.0</p>

	<p>industrial revolution? <u>Ann Parchment</u> <i>Surrey Business School University of Surrey Faculty of Arts and Social Sciences, Guildford, United Kingdom</i></p>
16:20 - 18:00	<p>Session: Risk communication in 'post-fact' times, part I Room: G1353 Chair/s: Linda Kvarnlöf</p>
	<p>S18-01 Doing crisis preparedness, doing gender: constructions of gender and responsibility during an information campaign. <u>Linda Kvarnlöf, Elin Montelius</u> <i>Mid Sweden University, Risk and Crisis Research Centre, Östersund, Sweden</i></p>
	<p>S18-02 Information need and information supply. Tox meets Com! <u>Ruud Weijtens, Ric van Poll</u> <i>National Institute for Public Health and the Environment, Bilthoven, Netherlands</i></p>
	<p>S18-03 The constitution of risk communication and uncertainty: an ontological understanding based on the actor-network theory <u>Dimitrij Umansky</u> <i>Osnabrueck University of Applied Sciences, Osnabrueck, Germany</i></p>
16:20 - 16:40	<p>Session: Experience RCR Lab, a unique immersive simulation environment – Tour Room: Building P, 4th floor Chair/s:</p>
	<p>L2-01 Experience RCR Lab, a unique immersive simulation environment – Tour <u>Erna Danielsson</u> <i>Mid Sweden University Risk and Crisis Research Centre, Östersund, Sweden</i></p>
18:10 - 19:30	<p>Session: Poster session & Refreshments Room: Foyer, building P Chair/s: Pär Olausson, Erna Danielsson</p>
	<p>S19-01 What Determines People's Environmental Behavior? : Through the Integration of TPB and VBN Model</p>

	<p><u>Jihye Kim, Seoyong Kim</u> <i>Ajou University, Suwon City, Korea, Republic of (South)</i></p>
	<p>S19-02 How Much People Can Pay for Turns of Energy? <u>Byoung Joon Kim</u>¹, Seoyong Kim², Joo Hwnag² ¹ <i>Kookmin University, Seoul, Korea, Republic of (South)</i>, ² <i>Ajou universtiy, Suwon, Korea, Republic of (South)</i></p>
	<p>S19-03 Investigating influence from special interests on exposure limits for chemicals <u>Linda Schenk</u>^{1, 2}, Gunnar Johanson¹ ¹ <i>Karolinska Institutet, Stockholm, Sweden</i>, ² <i>KTH - Royal Institute of Technology, Stockholm, Sweden</i></p>
	<p>S19-04 Who Are Supporting for Turning from Nuclear Power Energy to Renewable Energy? <u>Seoyong Kim</u>¹, Byung Joon Kim² ¹ <i>Ajou University, Suwon, Korea, Republic of (South)</i>, ² <i>Kookmin University, Seoul, Korea, Republic of (South)</i></p>
	<p>S19-05 Rhetorical messages of decontamination after nuclear accident – a case study of Japan after 3.11 <u>Aki Siegel</u> <i>Örebro University, Örebro, Sweden</i></p>
	<p>S19-06 Investigation on the public participation in decision making on environmental policy regarding risks and uncertainties of environmental problems. <u>Etsuko Yoshida</u>¹, Hiroshi Kagemoto², Yoshiaki Akutsu¹ ¹ <i>Graduate School of Frontier Sciences, The University of Tokyo, Chiba, Japan</i>, ² <i>Nagasaki Institute of Applied Science, Nagasaki, Japan</i></p>
	<p>S19-07 The study on the determinants of acceptance of energy policy by focusing on the psychometric paradigm, political & economy, environmental factors <u>leRei Park, SeoYong Kim</u> <i>Ajou University, SuWon, Korea, Republic of (South)</i></p>
	<p>S19-08 Who Are Skeptics for Climate Change?: Exploring the Role of</p>

	<p>Value, Perception, Structure in Determinant for Environmental Skepticism</p> <p>Sunhee Kim ¹, <u>Seoyong Kim</u> ²</p> <p>¹ <i>Seowon University, Chungjoo, Korea, Republic of (South)</i>, ² <i>Ajou University, Suwon, Korea, Republic of (South)</i></p>
	<p>S19-09</p> <p>The Analysis the Relationships between Climate Change and Transformation of Energy at the Individual Level</p> <p><u>Seoyong Kim</u> ¹, Sunhee Kim ²</p> <p>¹ <i>Ajou University, Suwon, Korea, Republic of (South)</i>, ² <i>Seowon University, Chungjoo, Korea, Republic of (South)</i></p>
	<p>S19-10</p> <p>What determines consciousness and action for global warming?</p> <p><u>Sehyeok Jeon</u> ¹, Sungman Hong ²</p> <p>¹ <i>Ajou university, suwon, Korea, Republic of (South)</i>, ² <i>anyang university, anyang, Korea, Republic of (South)</i></p>
	<p>S19-11</p> <p>Seeking resilience through tourism in Greenland: A cautious outlook in the risky era of climate change</p> <p><u>Pär Olausson</u> ¹, Evangelia Petridou ¹, Dimitri Ioannides ²</p> <p>¹ <i>Risk and Crisis Research Center, Mid Sweden University, Östersund, Sweden</i>, ² <i>ETOUR, Mid Sweden University, Östersund, Sweden</i></p>
	<p>S19-12</p> <p>Swedish high school students' understanding of the risk concept: findings from a questionnaire study</p> <p><u>Linda Schenk</u> ^{1, 2}, Leena Arvanitis ³, Karin Haglund ⁴, Margareta Enghag ⁵, Karim Hamza ⁵, Iann Lundegård ⁵, Andrzej Wojcik ⁵</p> <p>¹ <i>KTH – Royal Institute of Technology, Stockholm, Sweden</i>, ² <i>Karolinska Institutet, Stockholm, Sweden</i>, ³ <i>Blackeberg gymnasium, Stockholm, Sweden</i>, ⁴ <i>Tumba gymnasium, Stockholm, Sweden</i>, ⁵ <i>Stockholm University, Stockholm, Sweden</i></p>
	<p>S19-13</p> <p>Risk Assessment Tools and Techniques</p> <p><u>Atousa Khodadadyan</u></p> <p><i>University of Liverpool, Liverpool, United Kingdom</i></p>
	<p>S19-14</p> <p>Risk Perception of Terrorist Activity</p> <p><u>Saman Rashid</u>, <u>Anna Olofsson</u></p> <p><i>Mid Sweden University, Östersund, Sweden</i></p>

	<p>S19-15 Ethical Risks, Frauds, and Insurance Claims <u>Kari Dakakni</u> <i>ISU, Ames, United States</i></p>
	<p>S19-16 A system engineering approach to subsea leakage risk management Marta Bucelli ^{1, 2}, Ingrid Bouwer Utne ³, Pierluigi Salvo Rossi ⁴, <u>Nicola Paltrinieri</u> ¹ ¹ <i>Department of Mechanical and Industrial Engineering, Norwegian University of Science and Technology NTNU, Trondheim, Norway,</i> ² <i>Department of Civil, Chemical, Environmental and Material Engineering, Alma Mater Studiorum – University of Bologna, Bologna, Italy,</i> ³ <i>Department of Marine Technology, Norwegian University of Science and Technology NTNU, Trondheim, Norway,</i> ⁴ <i>Kongsberg Digital, Trondheim, Norway</i></p>
	<p>S19-17 Transferring of risks in the urban planning process – a case study of Arenastaden, Solna municipality <u>sofia Månsson, Elin Edman</u> <i>Faculty of Engineering, LTH, Lund, Sweden</i></p>
	<p>S19-18 HOMERISK: Risk management strategies when households face collapsing electricity and digital infrastructure <u>Linda Kvarnlöf</u> <i>Mid Sweden University, Risk and Crisis Research Centre, Östersund, Sweden</i></p>
	<p>S19-19 A Corpus-Based Study of the Linguistic Expressions of Risk Exposure <u>Jochen L. Leidner</u> <i>Thomson Reuters, London, United Kingdom, University of Sheffield, Sheffield, United Kingdom</i></p>
	<p>S19-20 Using a safety agreement as a tool for communicating and transferring risk in a complex Project <u>Anna-Karin Davidsson</u> <i>Structor Riskbyrå, Stockholm, Sweden</i></p>
	<p>S19-21 Uncertainty, Trust, and Preparedness Behaviors:</p>

	<p>Communicating caring <u>Louise Lemyre</u>, An Gie Yong <i>University of Ottawa, Ottawa, Canada</i></p>
	<p>S19-22 Communicating earthquake preparedness <u>Michèle Marti</u>¹, Jörg Matthes², Stefan Wiemer¹, Michael Stauffacher¹ ¹ <i>ETH Zurich, Zurich, Switzerland</i>, ² <i>University of Vienna, Vienna, Austria</i></p>
	<p>S19-23 The Impact of Toxic and Chemical Risk Communication in Taiwan: Using Questionnaire Shao-Kang Chiang¹, <u>Wen-Lian Lee</u>¹, Nian-Chen Lin² ¹ <i>Occupational Safety and Health, Chung-shan Medical University, Taichung City, Taiwan</i>, ² <i>Department of Public Health, Chung-shan Medical University, Taichung City, Taiwan</i></p>
	<p>S19-24 Thinking otherwise of crisis management: tales from a school fire <u>Erna Danielsson</u>, Angelika Sjöstedt-Landén <i>Mid Sweden University, Östersund, Sweden</i></p>
	<p>S19-25 Unrecognised Crisis Management – On the fringes of crisis management <u>Olof Oscarsson</u> <i>Mid Sweden University, Östersund, Sweden</i></p>
	<p>S19-26 Perspectives on household crisis preparedness <u>Linda Kvarnlöf</u>, Joanna Persson <i>Department of social sciences, Risk and Crisis Research Centre, Östersund, Sweden</i></p>
	<p>S19-27 Voluntary Organization in Disaster Response <u>Roine Johansson</u>¹, Erna Danielsson¹, Linda Kvarnlöf¹, Kerstin Eriksson² ¹ <i>Mid Sweden University, Östersund, Sweden</i>, ² <i>RISE Research Institutes of Sweden, Göteborg, Sweden</i></p>
	<p>S19-28 Biases in statistical decision-making <u>Jochen Baumeister</u>¹, Eva Lerner^{2,3}</p>

	¹ Ludwig-Maximilians-University Munich, Munich, Germany, ² University of Regensburg, Regensburg, Germany, ³ FOM University of Applied Sciences Munich, Munich, Germany
	S19-29 The influence of deformability on horizontal diaphragms in the distribution of seismic loads to bracing elements in rectangular buildings <u>sadek bahar</u> <i>PhD student, mostaganem, Algeria</i>
Tuesday, 19 June	
08:30 - 09:00	Registration opens Foyer, building G
09:00 - 09:15	SRA-E Awards Auditorium, F214
09:15 - 10:00	Session: KEYNOTE Matthias Kohring: Fake News and Vote Choice: A Panel Survey on the Antecedents and Consequences of Fake News Believability in the German Parliamentary Elections Room: Auditorium, F214 Chair/s: Seda Kundak
	A6-01 Keynote abstract <u>Matthias Kohring</u> <i>University of Mannheim, Mannheim, Germany</i>
10:00 - 10:30	Fika
10:30 - 12:10	Session: The unrecognized risk and crisis management, part II Room: Auditorium, F214 Chair/s: Linda Kvarnlöf
	S20-01 'We draw on what we know anyway': The meaning and role of local knowledge in natural hazard management. <u>Gunhild Setten</u> , Haakon Lein <i>Department of Geography, Norwegian University of Science and Technology, Trondheim, Norway</i>
	S20-02 Contemporary Risks as Hybrid Constructions <u>Anna Moraczewska</u> <i>Maria Curie-Sklodowska University, Lublin, Poland</i>

	<p>S20-03 Disentangling the roles of local communities in flood risk management <u>Aleksi Räsänen</u>, Gunhild Setten, Haakon Lein <i>Department of Geography, Norwegian University of Science and Technology, Trondheim, Norway</i></p>
	<p>S20-04 Risk, Remembering and Reasoning: The Public Afterlife of the 2014 Wildfire in Sweden <u>Susann Baez Ullberg</u> <i>Department of Cultural Anthropology and Ethnology at Uppsala University, Uppsala, Sweden</i></p>
10:30 - 12:10	<p>Session: Risk in everyday life, part II Room: F229 Chair/s: Josianne Kollmann</p>
	<p>S21-01 Change and Habituation in Risk Perception after Health Risk Feedback <u>Josianne Kollmann</u>, Nadine Lages, Luka Johanna Debbeler, Hermann Szymczak, Britta Renner <i>Universität Konstanz, Konstanz, Germany</i></p>
	<p>S21-02 Exploring how individuals who work around dogs experience risk and practice safety <u>Sara Owczarczak-Garstecka</u>^{1, 2}, Francine Watkins³, Rob Christley¹, Huadong Yang⁴, Carri Westgarth¹ ¹ <i>Epidemiology and Population Health, University of Liverpool, Liverpool,, United Kingdom</i>, ² <i>Institute for Risk and Uncertainty, University of Liverpool, Liverpool, United Kingdom</i>, ³ <i>Department of Public Health & Policy, University of Liverpool, Liverpool, United Kingdom</i>, ⁴ <i>Liverpool Management School, University of Liverpool, Liverpool, United Kingdom</i></p>
	<p>S21-03 Polarized perception and consumption of tap and bottled water: A product- and consumer-oriented survey and blind tasting experiment <u>Luka Johanna Debbeler</u>¹, Martina Gamp¹, Michael Blumenschein², Daniel Keim², Britta Renner² ¹ <i>Psychological Assessment & Health Psychology, Department of Psychology, University of Konstanz, Konstanz, Germany</i>, ² <i>Data Analysis and Visualization Group, Department of Computer Science,</i></p>

	<p><i>University of Konstanz, Konstanz, Germany</i></p>
	<p>S21-04 Risk Creation, Self-Attribution of Responsibility and Risk Behaviours <u>Ian Dawson</u> <i>Centre for Risk Research, University of Southampton, Southampton, United Kingdom</i></p>
	<p>S21-05 A Matrix Analysis of Carrying Device-Related Injuries to Preschool Children Kun Zhang ¹, <u>Yoshifumi Nishida</u> ², Koji Kitamura ², Yoshiki Mikami ¹ ¹ <i>Nagaoka University of Technology, Nagaoka, Japan</i>, ² <i>National Institute of Advanced Industrial Science and Technology, Tokyo, Japan</i></p>
10:30 - 12:10	<p>Session: Theoretical advancements in risk studies, part II Room: G1350 Chair/s: Mikael Linnell</p>
	<p>S22-01 Value-judgments in extreme scenarios: a case study of flooding risks in Sweden <u>Per Wikman-Svahn</u> <i>KTH Royal Institute of technology, Stockholm, Sweden</i></p>
	<p>S22-02 Discussion on Principles of Materialization of Knowledge Risks Related to Digital Mediators in Developing Transhuman Systems in Healthscape <u>Dina Simunic</u> ¹, Srecko Gajovic ² ¹ <i>University of Zagreb, Faculty of Electrical Engineering and Computing, Zagreb, Croatia</i>, ² <i>University of Zagreb, Faculty of Medicine, Zagreb, Croatia</i></p>
	<p>S22-03 Emerging perspectives on the role of anticipation in risk theory <u>Mikael Linnell</u> <i>Risk and Crisis Research Centre, Höör, Sweden</i></p>
	<p>S22-04 Good Governance of Climate and Energy Risks in the Face of Normative Uncertainties <u>Behnam Taebi</u> <i>Delft University of Technology, Delft, Netherlands</i></p>

	<p>S22-05</p> <p>Understanding the inter-relationship between public perception and public engagement in nuclear issues: A cross-country comparative analysis</p> <p><u>Josep Espluga</u>¹, Wilfried Konrad², Beatriz Medina¹, Ana Prades³, Ann Enander⁴</p> <p>¹ <i>Universitat Autònoma de Barcelona, Bellaterra (Cerdanyola del Val, Spain,</i> ² <i>DIALOGIK Gemeinnützige Gesellschaft für Kommunikations- und Kooperationsforschung mbH, Stuttgart, Germany,</i> ³ <i>CISOT- CIEMAT (Centro de Investigación Sociotécnica - Centro de Investigaciones Energéticas, Medio Ambientales y Tecnológicas), Barcelona, Spain,</i> ⁴ <i>Swedish Defence University, Stockholm, Sweden</i></p>
10:30 - 12:10	<p>Session: Practical impact of risk perception research, part III</p> <p>Room: G1351</p> <p>Chair/s: Elin Montelius</p>
	<p>S23-01</p> <p>Climate change beliefs, literacy, and age differences in the UK</p> <p><u>George Warren</u></p> <p><i>King's College London, London, United Kingdom</i></p>
	<p>S23-02</p> <p>Climatic Hazards and Mediating Effects Explaining Climate Change Risk perception in Europe</p> <p><u>José M. Echavarren</u>¹, <u>Aiste Balzekiene</u>², Audrone Telesiene²</p> <p>¹ <i>University Pablo Olavide, Seville, Spain,</i> ² <i>Kaunas University of Technology, Kaunas, Lithuania</i></p>
	<p>S23-03</p> <p>Public risk perceptions of carbon dioxide removal techniques</p> <p><u>Elsbeth Spence</u>, Nick Pidgeon, Emily Cox</p> <p><i>Cardiff University, Cardiff, United Kingdom</i></p>
	<p>S23-04</p> <p>Stakeholder perceptions of risk and uncertainty in climate-adaptive forestry: Genomics for climate-based seed transfer in British Columbia</p> <p><u>Kieran M. Findlater</u>, Shannon Hagerman, Robert Kozak</p> <p><i>University of British Columbia, Vancouver, Canada</i></p>
	<p>S23-05</p> <p>The Carbon Dilemma: knowledge, perception and support for the alternative utilization of domestic carbon resources in Germany</p> <p><u>Roh Pin Lee</u></p>

	<i>Institute of Energy Process Engineering & Chemical Engineering, TU Bergakademie Freiberg, Freiberg, Germany</i>
10:30 - 12:10	Session: Methods and methodologies in risk research, part III Room: G1352 Chair/s: Charlotte Heinzlef
	S24-01 A holistic assessment of urban resilience to floods: a collaborative process between research and end users <u>Heinzlef Charlotte</u> ^{1,2} , Vincent Becue ² , Damien Serre ¹ ¹ UMR 7300 ESPACE-University of Avignon, Avignon, France, ² Faculty of Architecture and Urbanism of Mons, Mons, Belgium
	S24-02 Investigating the consequences of the delay between the increasing generation of electronic waste and regulations to manage this increase. <u>Jennie Olofsson</u> , <u>Franc Mali</u> <i>The Faculty of Social Sciences, University of Ljubljana, Ljubljana, Slovenia</i>
	S24-03 Risk and resilience assessment for an energy supply system Pertti Auerkari ¹ , <u>Rami Pohja</u> ¹ , Aleksandar Jovanovic ² , Satu Tuurna ¹ , Heikki Hapuli ³ ¹ VTT Technical Research Centre of Finland, Espoo, Finland, ² Steinbeis Advanced Risk Technologies GmbH, Stuttgart, Germany, ³ Helen Oy, Helsinki, Finland
	S24-04 The Dutch National Risk Profile: understanding risk and horizon scanning to identify new risks <u>Leendert Gooijer</u> , Stephanie Meulenbelt <i>RIVM-National Institute for Public Health and the Environment, Bilthoven, Netherlands</i>
	S24-05 Gamification for industrial safety: an approach for developing resilience early warning indicators <u>Riccardo Patriarca</u> ¹ , Andrea Falegnami ¹ , Antonio De Nicola ² , Maria Luisa Villani ² , Nicola Paltrinieri ³ ¹ Sapienza University of Rome - Department of Mechanical and Aerospace Engineering, Rome, Italy, ² ENEA Research Centre, Rome, Italy, ³ Norwegian University of Science and Technology NTNU, Trondheim, Norway

10:30 - 12:10	<p>Session: Risk communication in 'post-fact' times, part II Room: G1353 Chair/s: Michael Siegrist</p>
	<p>S25-01 Communicating Nuclear Risks in a Post-Fukushima Context: Exploratory Study of Risk Communication on the Basis of Probabilistic Risk Assessment <u>Hiroyuki Yamada</u>, Yukihiro Kirimoto, Tomoaki Inamura, Reiko Kuwagaki, Keijiro Hirose, Shin-etsu Sugawara <i>Central Research Institute of Electric Power Industry, Tokyo, Japan</i></p>
	<p>S25-02 Defending science in times of science denial <u>Mikael Karlsson</u> <i>KTH Royal Institute of Technology, Stockholm, Sweden</i></p>
	<p>S25-03 Deliberating Technologies and Governance for Energy Storage <u>Gareth Thomas</u>, Christina Demski, Nick Pidgeon <i>Understanding Risk Group, School of Psychology, Cardiff University, Cardiff, United Kingdom</i></p>
	<p>S25-04 Trust in the Risk Domain: What have we learnt from 25 years of research? <u>Michael Siegrist</u> <i>ETH Zurich, Zurich, Switzerland</i></p>
	<p>S25-05 Do Flood Events Increase Opinion Polarisation about the Existence of Anthropogenic Climate Change? <u>Daniel Osberghaus</u>, Carina Fugger <i>Centre for European Economic Research, Mannheim, Germany</i></p>
10:30 - 10:50	<p>Session: Experience RCR Lab, a unique immersive simulation environment – Tour Room: Building P, 4th floor Chair/s:</p>
	<p>L3-01 Experience RCR Lab, a unique immersive simulation environment – Tour <u>Erna Danielsson</u> <i>Mid Sweden University Risk and Crisis Research Centre, Östersund, Sweden</i></p>

12:10 - 12:50	Lunch
12:50 - 13:20	Chapter meeting – Benelux chapterF229
12:50 - 13:20	Chapter meeting – Iberian chapterG1350
12:50 - 13:20	Chapter meeting – Nordic chapterG1351
12:50 - 13:20	Chapter meeting – setting up a German chapterG1352
12:50 - 13:20	Chapter meeting – setting up new chaptersG1353
13:20 - 13:50	Session: KEYNOTE Nicholas Karides: Better Journalism can be the antidote to Disinformation Room: Auditorium, F214 Chair/s: Evangelia Petridou
	A7-01 Keynote abstract <u>Nicholas Karides</u> <i>Ampersand, Nicosia, Cyprus</i>
14:00 - 15:00	Session: Symposium – The value of centres for excellence in risk Room: Auditorium, F214 Chair/s: Ullrika Sahlin
	S26-01 Symposium abstract <u>Ullrika Sahlin</u> ¹ , Lars Strömdahl ² ¹ <i>Lund University, Lund, Sweden</i> , ² <i>Riskkollegiet, Stockholm, Sweden</i>
14:00 - 15:00	Session: Symposium – Theory, practice and the consumer: what else can be done for food safety? Room: F229 Chair/s: Elke Stedefeldt
	S27-01 Symposium abstract <u>Elke Stedefeldt</u> , <u>Rayane Stephanie Gomes de Freitas</u> , <u>Laís Mariano Zanin</u> <i>Universidade Federal de São Paulo - Unifesp Federal University of São Paulo - Unifesp, São Paulo, Brazil</i>
	S27-02 What is the risk perception on foodborne diseases of

	<p>consumers of meals away from home?</p> <p>Liliane Chouce Lei, Rayane Stephanie Gomes de Freitas, <u>Elke Stedefeldt</u></p> <p><i>Universidade Federal de São Paulo - Unifesp Federal University of São Paulo - Unifesp CEDESS - Centro de Desenvolvimento do Ensino Superior em Saúde Center for the Development of Higher Education in Health, São Paulo, Brazil</i></p>
	<p>S27-03</p> <p>The use of social sciences in the study of risk</p> <p><u>Rayane Stephanie Gomes de Freitas</u>¹, Diogo Thimoteo da Cunha², Elke Stedefeldt¹</p> <p>¹ <i>Universidade Federal de São Paulo Federal University of São Paulo - Unifesp, São Paulo, Brazil</i>, ² <i>Universidade Estadual de Campinas - UNICAMP, Campinas, Brazil</i></p>
	<p>S27-04</p> <p>The impacts of food safety culture on risk taking behaviors</p> <p><u>Laís Mariano Zanin</u>, Elke Stedefeldt</p> <p><i>Universidade Federal de São Paulo, São Paulo, Brazil</i></p>
14:00 - 15:00	<p>Session: Symposium – Uncertainty in governance of migration and integration policy</p> <p>Room: G1350</p> <p>Chair/s: Jon Nyhlén</p>
	<p>S28-01</p> <p>Symposium abstract</p> <p><u>Jon Nyhlén</u></p> <p><i>Mid Sweden University, Sundsvall, Sweden</i></p>
	<p>S28-02</p> <p>A framework for governance of local migration policy – assumptions and theoretical consequences</p> <p><u>Gustav Lidén</u>¹, <u>Jon Nyhlén</u>²</p> <p>¹ <i>Department of Social Sciences, Mid Sweden university, Sundsvall, Sweden</i>, ² <i>Department of Political Science, Stockholm university, Stockholm, Sweden</i></p>
	<p>S28-03</p> <p>Negotiations on welfare and social security entitlements for EU migrants in Sweden</p> <p><u>sara Nyhlén</u>, Katarina Giritli Nygren</p> <p><i>Mid Sweden University, Sundsvall, Sweden</i></p>
	<p>S28-04</p> <p>Health promotion and newly arrived refugees in Sweden – a</p>

	<p>thesis project plan <u>Sara Svanholm</u> <i>Mid Sweden University, Sundsvall, Sweden</i></p>
14:00 - 15:00	<p>Session: Symposium – Risk communication by government agencies Room: G1351 Chair/s: Åsa Boholm</p>
	<p>S29-01 Symposium abstract <u>Åsa Boholm</u> <i>Göteborg University, Göteborg, Sweden</i></p>
	<p>S29-02 Experiences of success and failure in risk communication: lessons from the inside of six government agencies <u>Åsa Boholm</u> <i>Göteborg University, Göteborg, Sweden</i></p>
	<p>S29-03 Risk and quantification: A linguistic study <u>Max Boholm</u> <i>Gothenburg Research Institute University of Gothenburg, Göteborg, Sweden</i></p>
	<p>S29-04 An evaluation of the 2016-17 Swedish campylobacter communication crisis. <u>Ragnar Lofstedt</u> <i>Kings College London, London, United Kingdom</i></p>
14:00 - 15:00	<p>Session: The unrecognized risk and crisis management, part III Room: G1353 Chair/s: Michèle Marti</p>
	<p>S31-01 Teachers, crisis management and the division of responsibilities – a qualitative study <u>Jennifer Hobbins</u> <i>Swedish Defence University/Försvvarshögskolan, Karlstad, Sweden</i></p>
	<p>S31-02 Communicating earthquake hazard <u>Michèle Marti</u>, Michael Stauffacher <i>ETH Zurich, Zurich, Switzerland</i></p>

	<p>S31-03</p> <p>On the use of digital management control systems and key performance indicators in organizations. What unintended consequences can unfold?</p> <p><u>Christina Mauléon</u></p> <p><i>Gothenburg Research Institute, School och business, economics and law, Gothenburg University,, Göteborg, Sweden, University of Borås, Borås, Sweden</i></p>
15:00 - 15:30	Fika
15:30 - 17:40	<p>Session: Symposium – Resilience in Europe: Governing, social networks, and learning</p> <p>Room: Auditorium, F214</p> <p>Chair/s: Jorgen Sparf</p> <p>Five abstract presentations followed by a panel discussion, with a short break in the middle.</p>
	<p>S33-01</p> <p>Symposium abstract</p> <p><u>Jorgen Sparf</u></p> <p><i>Risk and Crisis Research Centre, Mid Sweden University, Östersund, Sweden</i></p>
	<p>S33-02</p> <p>Overcoming obstacles for disaster prevention: Challenges and best practices from the EU and beyond</p> <p><u>Richard Haigh</u>, Dilanthi Amaratunga, Nuwan Dias, Georgina Clegg</p> <p><i>University of Huddersfield, Huddersfield, United Kingdom</i></p>
	<p>S33-03</p> <p>Accelerating Action: Capacity Building for Equity and Resilience in Cities</p> <p><u>Kristin Baja</u></p> <p><i>Urban Sustainability Directors Network, Baltimore, United States</i></p>
	<p>S33-04</p> <p>Resilience as a Path to Sustainable Urbanism: From Empty Promises to Effective Planning Solutions?</p> <p><u>Dimitri Ioannides</u></p> <p><i>European Tourism Research Institute (ETOUR) & Department of Tourism Studies & Geography, Mid-Sweden University, Östersund, Sweden</i></p>
	<p>S33-05</p> <p>Acknowledging the Uncertainty Dimension of Security: Arguing for Resilience Driven Security</p>

	<p><u>Sissel H. Jore</u> <i>University of Stavanger, Stavanger, Norway</i></p>
	<p>S33-06 EU disaster risk management in a changing risk landscape <u>Thomas de Lannoy</u> <i>European Commission, Brussels, Belgium</i></p>
15:30 - 17:10	<p>Session: Risk in everyday life, part III Room: F229 Chair/s: Erna Danielsson</p>
	<p>S34-01 Analyzing risk culture and emergency awareness on Danish campuses <u>Lene Sandberg, Christian Meng</u> <i>Metropolitan University College, København N, Denmark</i></p>
	<p>S34-02 Preparing for Doris: Exploring public responses to impact based weather warnings in the UK <u>Andrea Taylor</u>¹, Astrid Kause¹, Barbara Summers¹, Melanie Harrowsmith² ¹ <i>University of Leeds, Leeds, United Kingdom</i>, ² <i>Met Office, Exeter, United Kingdom</i></p>
	<p>S34-03 Risk Communication: A Comparative Study of Eight EU countries <u>Evangelia Petridou</u>¹, Anna Olofsson¹, Minna Lundgren¹, Michael Röslmaier¹, Erna Danielsson¹, Christine Grosse² ¹ <i>Mid Sweden University, Östersund, Sweden</i>, ² <i>Mid Sweden University, Sundsvall, Sweden</i></p>
	<p>S34-04 Serving science to the public: Quantitative and qualitative behavioural indicators of uncertainty management strategies upon exposure to numerical information <u>Rui Gaspar</u>^{1, 2}, Samuel Domingos³, Patricia Demetrio⁴ ¹ <i>Universidade do Algarve, FCHS, Faro, Portugal</i>, ² <i>Catolica Research Centre for Psychological, Family and Social Wellbeing (CRC-W), Universidade Catolica Portuguesa., Lisbon, Portugal</i>, ³ <i>William James Center for Research, ISPA-Instituto Universitário, Lisbon, Portugal</i>, ⁴ <i>Centro de Investigação em Educação e Psicologia (CIEP), Universidade de Évora, Evora, Portugal</i></p>
	<p>S34-05</p>

15:30 - 17:10	<p>Session: Symposium – Intuitive Toxicology Revisited: People’s Perceptions of the Principles of Toxicology and Implications for Specific Applications</p> <p>Room: G1350 Chair/s: Angela Bearth</p>
	<p>S35-01 Symposium abstract <u>Angela Bearth</u>, Rita Saleh, Michael Siegrist <i>Consumer Behavior, Institute for Environmental Decisions (IED), ETH Zurich, Zurich, Switzerland</i></p>
	<p>S35-02 People’s Knowledge and Perceptions of the Principles of Toxicology, Safety Evaluation, and Risk Assessment – A Mental Models Approach Angela Bearth, Michael Siegrist, <u>Rita Saleh</u> <i>Consumer Behavior, Institute for Environmental Decisions (IED), ETH Zurich, Zürich, Switzerland</i></p>
	<p>S35-03 Pesticide Residues in Food: Attitudes, Beliefs, and Misconceptions among Conventional and Organic Consumers <u>Mark Lohmann</u> <i>German Federal Institute for Risk Assessment (BfR), Department Risk Communication, Unit Risk Research, Perception, Early Detection and Impact Assessment, Berlin, Germany</i></p>
	<p>S35-04 Alex Just Bought a Drain Cleaner: Situative and Product-Specific Factors that Influence Consumers’ Risk Perception of Household Cleaning Products <u>Angela Bearth</u>, Michael Siegrist <i>Consumer Behavior, Institute for Environmental Decisions (IED), ETH Zurich, Zurich, Switzerland</i></p>
	<p>S35-05 Consumers' perceptions of green cleaning products and their ingredients <u>Rachel Hollis</u> ¹, Wandi Bruine de Bruin ^{2, 3}, William Young ¹, Christopher Rayner ⁴ <i>¹ Sustainability Research Institute University of Leeds, Leeds, United Kingdom, ² Centre for Decision Research University of Leeds, Leeds, United Kingdom, ³ Department of Engineering and Public Policy Carnegie Mellon University, Pittsburgh, United States, ⁴ School of Chemistry University of Leeds, Leeds, United Kingdom</i></p>

15:30 - 17:10	<p>Session: Practical impact of risk perception research, part IV Room: G1351 Chair/s: Calvin Burns</p>
	<p>S36-01 Attitudes and Perceptions about Risk Resilience and Security in Water Utilities <u>Calvin Burns</u>¹, <u>Kevin Quigley</u>² ¹ <i>University of Strathclyde, Glasgow, United Kingdom</i>, ² <i>Dalhousie University, Dalhousie, Canada</i></p>
	<p>S36-02 Communicating food risks to pregnant women: analysis of the target audience's information needs <u>Giulia Mascarello</u>, Stefania Crovato, Silvia Marcolin, Mirko Ruzza, Anna Pinto, Licia Ravarotto <i>Health Awareness and Communication Department, Istituto Zooprofilattico Sperimentale delle Venezie, Legnaro, PD, Italy</i></p>
	<p>S36-03 Risk Perceptions within the water industry: a new way forward? <u>Anna Kosovac</u> <i>The University of Melbourne, Melbourne, Australia</i></p>
	<p>S36-04 Towards a conceptual framework for food safety criteria - analyzing evidence practices using the case of plant protection products <u>Christine Hassauer</u> <i>Chair of Marketing and Consumer Research, TUM School of Management, Technical University of Munich, Freising, Germany</i></p>
15:30 - 17:10	<p>Session: Methods and methodologies in risk research, part IV Room: G1352 Chair/s: Seda Kundak</p>
	<p>S37-01 Disaster Logistics Evaluation in Extreme Events <u>Seda Kundak</u>, Mete Basar Baypinar, Eda Beyazit, Huseyin Murat Celik, Yucel Torun, Nergiz Kayki, Halil Ibrahim Ogut <i>Istanbul Technical University, Istanbul, Turkey</i></p>
	<p>S37-02 Presence of antibiotic residues in various environmental compartments of China: its potential for resistance development and ecological and human risk <u>Nada Hanna</u>¹, Pan Sun², Qiang Sun³, Xuewen Li², Jakob</p>

	<p>Ottoson ⁴, Lennart Nilsson ⁵, Björn Berglund ⁵, Oliver Dyar ¹, Ashok Tamhankar ¹, Cecilia Stålsby Lundbory ¹</p> <p>¹ <i>Global Health—Health Systems and Policy: Medicines, Focusing Antibiotics, Department of Public Health Sciences, Karolinska Institutet, Tomtebodavägen 18 A, 171 77 Stockholm, Sweden., Stockholm, Sweden,</i> ² <i>Department of environment and health, School of Public Health, Shandong University, Jinan 250012, China., Jinan, China,</i> ³ <i>School of Health Care Management, Shandong University, Jinan 250012, China., Jinan, China,</i> ⁴ <i>National Food Agency, Department of Risk and benefit assessment, 751 26 Uppsala, Sweden., Uppsala, Sweden,</i> ⁵ <i>Department of Clinical and Experimental Medicine, Linköping University, 581 85 Linköping, Sweden., Linköping, Sweden</i></p>
	<p>S37-03</p> <p>Success, Efficiency, and Risks in a Sustainable Insurance</p> <p><u>Kari Dakakni</u></p> <p><i>ISU, Ames, United States</i></p>
	<p>S37-04</p> <p>Toward Smart Barrier Management: Recent Developments and Future Research Directions</p> <p><u>Behnaz Hosseinnia</u> ¹, Pierluigi Salvo Rossi ², Genserik Reniers ³, Nicola Paltrinieri ¹</p> <p>¹ <i>Norwegian University of Science and Technology (NTNU), Department of Production and Quality Engineering, RAMS group, Trondheim, Norway,</i> ² <i>Kongsberg Digital, Trondheim, Norway,</i> ³ <i>Delft University of Technology, Safety & Security Science Group (S3G), Delft, Netherlands</i></p>
15:30 - 17:10	<p>Session: Risk communication in 'post-fact' times, part III</p> <p>Room: G1353</p> <p>Chair/s: Roine Johansson</p>
	<p>S38-01</p> <p>Implementing Risk Communication on the Safe Use of Chemicals in Taiwan</p> <p><u>Wen-Lian Lee</u> ¹, <u>Shao-Kang Chiang</u> ¹, <u>Nian-Chen Lin</u> ²</p> <p>¹ <i>Occupational Safety and Health, Chung-shan Medical University, Taichung, Taiwan,</i> ² <i>Department of Public Health, Chung-shan Medical University, Taichung, Taiwan</i></p>
	<p>S38-02</p> <p>Risk communication about electromagnetic fields emitted by mobile communication technologies: A systematic review.</p> <p><u>Christoph Boehmert</u> ^{1, 2}, Frederik Freudenstein ³, Peter Wiedemann ³</p>

	<p>¹ Federal Office for Radiation Protection, Munich, Germany, ² Karlsruhe Institute of Technology, Karlsruhe, Germany, ³ University of Wollongong, Australia, Wollongong, Australia</p>
	<p>S38-03 Were the 2015 UK floods used as an opportunity to communicate climate change risks? A case study of UK newspapers. <u>Rachel Harcourt</u> ^{1, 2}, Suraje Dessai ¹, Andrea Taylor ^{1, 2} ¹ Sustainability Research Institute, School of Earth and Environment, Leeds, United Kingdom, ² Centre for Decision Research, Leeds University Business School, Leeds, United Kingdom</p>
15:30 - 15:50	<p>Session: Experience RCR Lab, a unique immersive simulation environment – Tour Room: Building P, 4th floor Chair/s:</p>
	<p>L4-01 Experience RCR Lab, a unique immersive simulation environment – Tour <u>Erna Danielsson</u> Mid Sweden University Risk and Crisis Research Centre, Östersund, Sweden</p>
19:00 - 23:00	<p>Conference dinner Foyer, building G</p>
<p>Wednesday, 20 June</p>	
09:00 - 09:20	<p>Registration opens Foyer, building G</p>
09:15 - 09:30	<p>SRA-E 2018 closing & SRA-E 2019 announcement Auditorium, F214</p>
09:30 - 10:15	<p>Session: KEYNOTE Jens O Zinn: Understanding Risk-taking – Paradoxes and Explanations Room: Auditorium, F214 Chair/s: Frederic Boudier</p>
	<p>A9-01 Keynote abstract <u>Jens Zinn</u> University of Melbourne, Melbourne, Australia, Mid Sweden University, Östersund, Sweden</p>

10:15 - 11:10

Session: PANEL Risk & Uncertainty – From Critical Thinking to Practical Impact

Room: Auditorium, F214

Chair/s: Ragnar Lofstedt

Risk and uncertainty studies should not just be academically focused but also more crucially practically relevant. One of the goals of the Society for Risk Analysis-Europe is to ensure that the work that academics do at universities are also practically useful. This panel discussion focuses on bridging this gap with our panelists discussing real life practical examples ranging from the present day threats of disinformation and fake news to planning and hazard management and the importance of finding compromises between indigenous people and large scale infrastructure projects.

CHAIR:

Ragnar E. Löfstedt, Professor of Risk Management

Ragnar E. Löfstedt is the Director of King's Centre of Risk Management, King's College London, UK where he teaches and conducts research on risk communication and management. He is Adjunct Professor at the Department of Engineering and Public Policy, Carnegie Mellon University, and he is a Visiting Professor at the Centre for Public Sector Research, Gothenburg University, Sweden.

He has conducted research in risk communication and management in such areas as renewable energy policy, food safety issues, pharmaceutical recalls, telecommunications, biosafety, and the siting of building of incinerators, nuclear waste installations and railways.

Dr. Löfstedt is the author/editor of ten books and over 90 peer reviewed articles, is the editor-in-chief for Journal of Risk Research, editor of the Earthscan publications' Risk, Society and Policy book series, and is on the editorial boards of Journal of Health Communication, International Journal of Risk Assessment and Management, and Risk Management.

PARTICIPANTS:

Sudha Sudhir Arlikatti, Associate Professor of Business Continuity Management and Integrated Emergency Management

Dr. Sudha Arlikatti is an architect-planner turned academician with over 17 years of teaching and disaster research experience. She holds a Ph.D. in Urban and Regional Science with an emphasis in

Environmental Planning and Hazards Management from Texas A&M University, College Station (USA). After eleven years of teaching in the USA she joined the faculty of resilience at Rabdan Academy, UAE in 2016, in their flagship BSc program in Business Continuity Management and Integrated Emergency Management.

Her research interests include risk communication in multi-ethnic communities, protective action decision-making, organizational resiliency and climate change mitigation and adaptation. She has been funded by the U.S. National Science Foundation, Texas Department of State Health Services and Dallas Area Habitat for Humanity. She is currently serving a four year term as the Vice President of the Research Committee on the Sociology of Disasters RC39 with the International Sociological Association (2015–2018).

Mikael Karlsson, Associate Professor in Environmental Science

Dr. Mikael Karlsson is a senior researcher at KTH Royal Institute of Technology in Stockholm. His work focuses on environmental governance, science-policy interactions and risk management related to climate and energy issues, marine ecosystems and chemical pollution.

Dr. Karlsson serves since long in various expert bodies and agency boards, in Sweden and internationally, among these the Swedish Agenda 2030 delegation, the Swedish Chemicals Agency, and the European Commission's High Level Group on Energy Intensive Industries. In 2005–2017, he was President of the European Environmental Bureau, Europe's largest environmental organisation. In 2002–2014, he was President of the Swedish Society for Nature Conservation.

Dr. Karlsson has been a frequent participant at various EU, OECD, UN and WTO meetings. He is also Partner and Senior Advisor at 2050 Consulting in Stockholm, advising companies and public organisations on sustainability issues. He has been teaching environmental sciences since 1995.

Michael Matz, Senior Adviser at the Nordic Council

Michael Matz has studied Literature, English and Economics at Lund University. He became a Senior Adviser at the Nordic Council of Ministers in 2009 working with the Nordic cultural collaboration for the Nordic Ministers of Culture. Since 2016 he has been employed

	<p>at the Nordic Council, the inter-parliamentary forum, working with culture, including media, education and research collaboration.</p> <p>May-Britt Öhman, PhD in History of Technology</p> <p>May-Britt Öhman is a Lule/Forest Sámi of the Lule River/Julevädno valley and PhD, History of Technology, Royal Institute of Technology, 2007. She founded the Technoscience research group in 2013 and Sámi Land Free University in 2015. She is active at the Centre for Gender Research, and CEMFOR, the Centre for Multidisciplinary Research on Racism, Uppsala University. Since fall 2017 she is a guest researcher at the Unit of History, Luleå University of Technology.</p> <p>May-Britt has also been a board member of the National Association of Swedish Saami (SSR) 2011-2015, deputy member of the</p>
	<p>A10-01 Panel abstract <u>Ragnar Lofstedt</u> <i>Kings College London, London, United Kingdom</i></p>
11:10 - 11:40	Fika
11:40 - 13:00	<p>Session: Symposium – Sustainable Societal Development in Europe’s Peripheries: The Case of Northern Sweden Room: Auditorium, F214 Chair/s: Sara Nyhlén</p>
	<p>S39-01 Symposium abstract <u>Sara Nyhlén</u>¹, Anna Olofsson², Katarina Giritli Nygren¹, Peter Öhman¹ ¹ <i>Mid Sweden University, Sundsvall, Sweden</i>, ² <i>Mid Sweden University, Östersund, Sweden</i></p>
	<p>S39-02 ‘70 is the new 20’ –Positive ageing discourses in congregate housing <u>Sara Nyhlén</u>, <u>Gunilla Olofsdotter</u>, Edith Andresen <i>Mid Sweden University, Sundsvall, Sweden</i></p>
	<p>S39-03 ‘You become lonely when you grow old – there is no escape from that’ –analyzing intersections of ageing, safety and inequalities</p>

	<p><u>Gunilla Olofsdotter</u>, <u>Edith Andresen</u>, <u>Sara Nyhlen</u> <i>Mid Sweden University, Sundsvall, Sweden</i></p>
	<p>S39-04 Carto(bio)graphic explorations of a small town - Walking and talking the in/exclusive city with new Swedes <u>Sara Nyhlén</u>, <u>Katarina Giritli Nygren</u> <i>Mid Sweden University, Sundsvall, Sweden</i></p>
	<p>S39-05 Not in my backyard: Integration and xenophobia in a local housing project in Östersund <u>Minna Lundgren</u>¹, <u>Gustav Lidén</u>² ¹ <i>RCR, Mid Sweden University, Östersund, Sweden</i>, ² <i>RCR, Mid Sweden University, Sundsvall, Sweden</i></p>
11:40 - 13:00	<p>Session: Symposium – Lifting the fog on uncertainty – practical advances on assessing and communicating uncertainty in the European public arena Room: F229 Chair/s: caroline merten, Laura MARTINO</p>
	<p>S40-01 Symposium abstract <u>Caroline Merten</u>¹, <u>Anthony Smith</u>¹, <u>Anne Marthe van der Bles</u>², <u>Howard Needham</u>³ ¹ <i>European Food Safety Authority (EFSA), Parma, Italy</i>, ² <i>Winton Centre for Risk & Evidence Communication, University of Cambridge, Cambridge, United Kingdom</i>, ³ <i>European Centre for Disease Prevention and Control (ECDC), Stockholm, Sweden</i></p>
	<p>S40-02 Approaches to assess and manage scientific uncertainty: examples from EU ANSA Agencies <u>Howard Needham</u> <i>Disease Prevention and Control (ECDC), Stockholm, Sweden</i></p>
	<p>S40-03 Testing the EFSA guidance document on uncertainty: challenges and benefits <u>Caroline Merten</u>¹, <u>Laura Martino</u>¹, <u>Olaf Mosbach-Schulz</u>¹, <u>Andy Hart</u>² ¹ <i>European Food Safety Authority (EFSA), Parma, Italy</i>, ² <i>University Newcastle, Newcastle, United Kingdom</i></p>
	<p>S40-04 Explaining incomplete knowledge – EFSA’s approach for</p>

	<p>communicating scientific uncertainties in food safety assessments</p> <p><u>Anthony Smith</u>¹, Laura Maxim², Michael Siegrist³, Andy Hart⁴, Cristina da Cruz¹, Caroline Merten¹, Olaf Mosbach-Schulz¹, Natalie von Götz³, Tony Hardy¹</p> <p>¹ <i>European Food Safety Authority (EFSA), Parma, Italy</i>, ² <i>Centre national de la recherche scientifique (CNRS), Paris, France</i>, ³ <i>ETH, Zürich, Switzerland</i>, ⁴ <i>Newcastle University, Newcastle, United Kingdom</i></p>
	<p>S40-05</p> <p>The effects of communicating uncertainty about numbers and facts</p> <p><u>Anne Marthe van der Bles</u>, Sander van der Linden, Alexandra Freeman, David Spiegelhalter</p> <p><i>Winton Centre for Risk and Evidence Communication, University of Cambridge, Cambridge, United Kingdom</i></p>
11:40 - 13:00	<p>Session: Risk and decision analysis in critical infrastructure, part III</p> <p>Room: G1350</p> <p>Chair/s: Marilou Jobin</p>
	<p>S41-01</p> <p>Adults' preference for influenza vaccination across hypothetical pandemics of three risk levels</p> <p><u>Qiuyan Liao</u>, Wendy Wing Tak Lam, Richard Fielding</p> <p><i>The University of Hong Kong, Pokfulam, Hong Kong</i></p>
	<p>S41-02</p> <p>Feelings or information? What is driving preferences for electricity portfolios?</p> <p><u>Marilou Jobin</u>¹, Vivianne HM Visschers², Oscar PR van Vliet¹, Michael Siegrist¹</p> <p>¹ <i>ETH Zurich, Institute for Environmental Decisions (IED), Zurich, Switzerland</i>, ² <i>University of Applied Sciences and Arts Northwestern Switzerland, School of Applied Psychology, Olten, Switzerland</i></p>
	<p>S41-03</p> <p>Solidarity across local borders? Citizens' support for municipal collective action concerning drinking water risk management.</p> <p><u>Anna Bendz</u></p> <p><i>University of Gothenburg, Gothenburg, Sweden</i></p>
11:40 - 13:00	<p>Session: Risk and Inequality, part II</p> <p>Room: G1351</p> <p>Chair/s: Tapio Litmanen</p>

	<p>S42-01</p> <p>Perceptions of justice influencing community acceptance of spent nuclear fuel disposal. A case study in two Finnish nuclear communities</p> <p><u>Tapio Litmanen</u>¹, Tuuli Vilhunen², Behnam Taebi³, Matti Kojo²</p> <p>¹ Department of Social Sciences and Philosophy, University of Jyväskylä, Finland, Jyväskylä, Finland, ² School of Management, University of Tampere, Finland, Tampere, Finland, ³ Faculty of Technology, Policy and Management, Delft University of Technology, Netherlands, Delft, Netherlands</p>
	<p>S42-02</p> <p>Have we been too naïve? Masculinity constructions in times of securitization and narratives of haunting threats</p> <p><u>Mathias Ericson</u></p> <p>Department of Cultural Sciences, Gothenburg University, Gothenburg, Sweden</p>
	<p>S42-03</p> <p>Leadership and crisis management – a gendered perspective</p> <p><u>Jennifer Hobbins</u>¹, <u>Elsa Kristiansen</u>³, <u>Erna Danielsson</u>²</p> <p>¹ The Swedish Defence University, Karlstad, Sweden, ² Mid Sweden University, Östersund, Sweden, ³ University College of Southeast Norway, Borre, Norway</p>
	<p>S42-04</p> <p>Risk & Inequality: Disaster Risk Reduction with the Indigenous Populations in India, with special focus on Empowering Women</p> <p><u>Mukesh Kanaskar</u></p> <p>All India Institute of Local Self-Government, Mumbai, India</p>
11:40 - 13:00	<p>Session: The unrecognized risk and crisis management, part IV</p> <p>Room: G1352</p> <p>Chair/s: Laurits Rauer Nielsen</p>
	<p>S43-01</p> <p>Involving citizen preparedness structures in operational emergency management</p> <p><u>Laurits Rauer Nielsen</u></p> <p>Metropolitan University College, Copenhagen, København N, Denmark</p>
	<p>S43-02</p> <p>Team resilience – "in unity we find strength" A qualitative study of team resilience and leadership under demanding conditions</p> <p><u>Nicole Kaiser</u>, <u>Marcus Börjesson</u></p>

	<p>Swedish Defence University, Stockholm, Sweden</p>
	<p>S43-03 Financial Risks in Construction Projects from the Perspective of Project Management <u>Özlem TÜZ EBESK</u>¹, Şafak EBESK¹ ¹ Mersin University, Mersin, Turkey, ² İstanbul Technical University, İstanbul, Turkey</p>
	<p>S43-04 Crisis leadership as a communicative process – The challenge of managing crises through communication with stakeholders <u>Catrin Johansson</u> Mid Sweden University, Sundsvall, Sweden</p>
11:40 - 13:00	<p>Session: Risk management education and practice, part III Room: G1353 Chair/s: Aitor Couce-Vieira</p>
	<p>S44-01 An adversarial risk analysis framework for cybersecurity David Rios Insua¹, <u>Aitor Couce-Vieira</u>¹, Jose Antonio Rubio², Wolter Pieters³, Daniel Garcia Rasines⁴ ¹ Instituto de Ciencias Matemáticas, CSIC, Madrid, Spain, ² Analysis, Security and Systems Group, Complutense University of Madrid, Madrid, Spain, ³ Safety & Security Science Group, Delft University of Technology, Delft, Netherlands, ⁴ Department of Mathematics, Imperial College, London, United Kingdom</p>
	<p>S44-02 Repeated freediving - an efficient method to rescue subjects trapped in cars underwater <u>Erika Schagatay</u>¹, Pontus Albertsson Åman², Sebastian Näslund¹, Annelie Pompe¹, Martin Roth³, Filip Schagatay⁴, Johanna Berglund¹, Fanny Schagatay¹, Christofer Andersson¹, Hildur Sahlström-Hallman¹, Angelica Lodin-Sundström¹ ¹ Department of Health Sciences, Mid Sweden University, Östersund, Sweden, ² Emergency and Disaster Medical Centre, Umeå University Hospital, Umeå, Sweden, ³ Poznan University of Medical Sciences, Poznan, Poland, ⁴ Faculty of Medicine, Umeå University, Umeå, Sweden</p>
	<p>S44-03 Uncertain risk assessment and management: case studies of the application of the precautionary principle in Portugal <u>Vasco Gonçalves</u> Dinâmia-CET/ISCTE-IUL, Lisboa, Portugal</p>

	<p>S44-04</p> <p>Under water rescue via repeated freediving does not expose divers to risk of hypoxic syncope</p> <p><u>Erika Schagatay</u>¹, Fanny Schagatay¹, Pontus Albertsson Åman²</p> <p>¹ Department of Health Sciences, Mid Sweden University, Östersund, Sweden, ² Emergency and Disaster Medical Centre, Umeå University Hospital, Umeå, Sweden</p>
11:40 - 13:00	<p>Session: Experience RCR Lab, a unique immersive simulation environment – Sandpit session</p> <p>Room: Building P, 4th floor</p> <p>Chair/s:</p>
	<p>L5-01</p> <p>Experience RCR Lab, a unique immersive simulation environment – Sandpit session</p> <p><u>Erna Danielsson</u></p> <p>Mid Sweden University Risk and Crisis Research Centre, Östersund, Sweden</p>
13:00 - 13:40	Lunch
13:40 - 15:20	<p>Session: Collaborative governance and networked practice</p> <p>Room: Auditorium, F214</p> <p>Chair/s: KALLIOPI SAPOUNTZAKI</p>
	<p>S45-01</p> <p>Resolution Systems For Environmental Conflicts Under the Ladder Theory: A Comparative study on Different Cases</p> <p><u>Liwei Zhang</u>, <u>Kun Bi</u></p> <p>Jilin University, Changchun, China</p>
	<p>S45-02</p> <p>Risk Governance in Diverse Cultural and Geopolitical Contexts: The Offshore Oil Industry in North Sea and Eastern Mediterranean</p> <p><u>Athanasios Liaropoulos</u>¹, Kalliopi Sapountzaki¹, Zoe Nivolianitou²</p> <p>¹ Department of Geography, Harokopio University, 70, El. Venizelou Str., Post Box: 17671, Kallithea, Greece, ² System Reliability & Industrial Safety Lab, Institute of Nuclear & Radiological Sciences & Technology, Energy & Safety, National Centre of Scientific Research 'Demokritos', Terma Patriarchou Grigoriou & Neapoleos, 15310, Ag. Paraskevi, Greece</p>
	<p>S45-03</p> <p>Electronic government: Towards e-democracy or democracy at risk?</p>

	<p><u>Leif Sundberg</u> <i>Mid Sweden University, Sundsvall, Sweden</i></p>
13:40 - 15:20	<p>Session: Risk and decision analysis in critical infrastructure, part IV Room: G1350 Chair/s: Michael Stein</p>
	<p>S46-01 Infranetics: The New Convergent Science for Risk Based Management of Systems of Interdependent Critical Infrastructures <u>Sviatoslav Timashev</u>^{1, 2, 3}, Anna Bushinskaya^{1, 2} ¹ <i>Russian Academy of Sciences Ural Branch Sci. & Engng Center "Reliability and Safety of Large Systems", Yekaterinburg, Russia,</i> ² <i>Ural Federal University, Yekaterinburg, Russia,</i> ³ <i>Old Dominion University, Norfolk, United States</i></p>
	<p>S46-02 Optimization Method for Choosing a Set of Means for Probability of Failure Reduction of Critical Infrastructures <u>Sviatoslav Timashev</u>^{1, 2, 3}, Anna Bushinskaya^{1, 2} ¹ <i>Russian Academy of Sciences, Ural Branch, Sci. & Engng Center "Reliability and Safety of Large Systems, Yekaterinburg, Russia,</i> ² <i>Ural Federal University, Yekaterinburg, Saint Helena,</i> ³ <i>Old Dominion University, Norfolk, United States</i></p>
	<p>S46-03 Spatial distribution of airborne hazardous emissions from oil industry in Ecuadorian Amazon: An insight from comparisons amongst several dataset <u>Juan Durango-Cordero</u>¹, Mehdi Saqalli², Elger Arnaud³ ¹ <i>EcoLab, Université de Toulouse, CNRS, INPT, UPS, Toulouse, France,</i> ² <i>GEODE, Université de Toulouse, CNRS, UT2J, Toulouse, France,</i> ³ <i>EcoLab, Université de Toulouse, CNRS, INPT, UPS, Toulouse, France</i></p>
	<p>S46-04 Using unmanned systems for safety inspections of critical infrastructures - Examples from German port facilities <u>Michael Stein</u> <i>Kühne Logistics University, Hamburg, Germany</i></p>
13:40 - 15:20	<p>Session: Practical impact of risk perception research, part V Room: G1351 Chair/s: Sílvia Luís</p>

	<p>S47-01</p> <p>Risk perception of pharmaceutical residues</p> <p><u>Silvia Luís</u></p> <p><i>CIS, ISCTE-IUL, Lisboa, Portugal</i></p>
	<p>S47-02</p> <p>Mapping the effects of risk communication on public perceptions of petrochemical industrial risk and their determinants in Central Taiwan</p> <p><u>Hung-Chih Hung</u>¹, Chia-Fang Li²</p> <p><i>¹ Department of Real Estate and Built Environment, National Taipei University, New Taipei City, Taiwan, ² Department of Real Estate and Built Environment, National Taipei University, New Taipei City, Taiwan</i></p>
	<p>S47-03</p> <p>Understanding Risk Perceptions for Autonomous Vehicles and Their Implications for Public Policy</p> <p><u>David Good</u>, Yingying Miao</p> <p><i>Indiana University School of Public and Environmental Affairs, Bloomington, IN, United States</i></p>
13:40 - 15:20	<p>Session: Methods and methodologies in risk research, part V</p> <p>Room: G1352</p> <p>Chair/s: Minna Lundgren</p>
	<p>S48-01</p> <p>Beyond the Expected – Dealing with the Case of Overload and Residual Risk of Natural Hazards in the Alpine Region</p> <p><u>Sönke Hartmann</u>, Stefan Schneiderbauer, Cristina Dalla Torre, Nicola Dinkelaker, Andrea Sankowsky, Christian Hoffmann, Lydia Pedoth, Thomas Streifeneder</p> <p><i>Eurac Research, Bolzano, Italy</i></p>
	<p>S48-02</p> <p>Changing Risk-Taking Behaviour via Trust Priming</p> <p><u>Calvin Burns</u>, Tony McCarthy</p> <p><i>University of Strathclyde, Glasgow, United Kingdom</i></p>
	<p>S48-03</p> <p>Implementation of a low-cost ambient air quality monitoring micro-sensors for population awareness and to support civil protection agents.</p> <p><u>Johnny Reis</u>, Fátima Alves, Myriam Lopes</p> <p><i>Department of Environment and Planning and Researcher at the Centre for Environmental and Marine Studies (CESAM), University of Aveiro, Aveiro, Portugal</i></p>

13:40 - 15:20	<p>Session: Risk management education and practice, part IV Room: G1353 Chair/s: Frederic Boudier</p>
	<p>S49-01 Disaster and Risk Management Education in Turkey <u>Nergiz Kayki</u>, Seda Kundak <i>Istanbul Technical University, Istanbul, Turkey</i></p>
	<p>S49-02 Holistic Debrief - A Concept for Enhanced Operation and Safety Trygve Steiro ², <u>Christian Moldjord</u> ¹ ¹ <i>Norwegian Defence Academy, Department of Air Force, Trondheim, Norway</i>, ² <i>Norwegian University of Science and Technology, Institute for Teacher Education, Trondheim, Norway</i></p>
	<p>S49-03 Risk Assessment: Get ready for some serious fun <u>David Lannoy</u> ¹, <u>Helene Peters</u> ² ¹ <i>Bayer, Diegem, Belgium</i>, ² <i>Bayer, Mijdrecht, Netherlands</i></p>
	<p>S49-04 Supporting a Risk Scientific Approach to Education Policy : a Systematic Review <u>Frederic Boudier</u> <i>University of Stavanger, Stavanger, Norway</i></p>
	<p>S49-05 Technologies for Training Emergency Preparedness for Meeting New Risks of Modern Society <u>Cecilia Hammar Wijkmark</u> ¹, <u>Ilona Haldal</u> ² ¹ <i>Swedish Civil Contingencies Agency, Stockholm, Sweden</i>, ² <i>Western Norway University of Applied Sciences, Bergen, Norway</i></p>
15:20 - 15:50	Fika