

**The 18th workshop on  
"Social Capital and Development Trends of Countryside in Knowledge and Risk Society"**

**Program**

Date 16-17 September 2024

Venue International Institute for Applied Systems Analysis (IIASA), Laxenburg, Austria

Room Wodak room, Schloss building

**DAY 1**

8:45 Opening Tsuyoshi Hatori (Ehime University and MARG)  
Welcome greeting Reinhard Mechler (IIASA)

*Session 1 Keynote presentations Chair: Kenji Tsutsumi (Osaka University)*

9:00 Kiyoshi Kobayashi (Kyoto University)

"Human Centricity in AI-Driven Worlds"

*Kiyoshi Kobayashi*

9:35 Hans Westlund (KTH and Jönköping International Business School)

"Institutions and Social Capital in the Post-Urban World: New Perspectives"

*Hans Westlund*

10:10 Coffee break

*Session 2 Social Capital and Well-being Chair: Susanne Klien (Hokkaido University)*

10:20 Kenji Tsutsumi (Osaka University)

"On "Grunddaseinsfunktionen" -Its Concept and Appliance-"

*Kenji Tsutsumi*

10:45 Elena Rovenskaya (IIASA)

"Unpacking a Multidimensional National Well-Being System"

*Nikita Strelkovskii, Rotem Zelingher, and Elena Rovenskaya*

11:10 Ismu Rini Dwi Ari (Brawijaya University)

"Role of Social Capital Between Slum and Non-Slum Area"

*Ismu Rini Dwi Ari, Wulan Dwi Purnamasari, Deni Agus Setyono, Dian Palupi Chrisdiani, Defryzanursy Najwa Alkhaqqi, Farrel Yoel Nathanael, and Rodearni Purba*

11:35 Tsuyoshi Hatori (Ehime University)

"Ontological Research Approach to Latent Social Capital: A Case in Japanese Rural Town"

*Tsuyoshi Hatori, Atsushi Sugita, and Chris Berthelsen*

12:00 Lunch

*Session 3 Economic Evaluation Chair: Michael Kuhn (IIASA)*

13:30 Yuheng Li (Chinese Academy of Sciences)

"How Social Networks Impact Economic Resilience of Specialized Villages in China: Case Study of Ningjin County"

*Yuheng Li and Nalin Wu*

13:55 Kakuya Matsushima (Kyoto University)

"Evaluation of Opportunity Loss for Pick-up and Drop-off Drivers with Time Allocation Model"

*Kakuya Matsushima and Kenta Fukunaga*

14:20 Hayeong Jeong (Kyungnam University)

"Vacancy in Small and Medium-sized Cities: A Regression Analysis of Property Value and Maintenance Cost Imbalance"

*Hayeong Jeong*

14:45 Ha Vu (IIASA)

"Impact of Dams on Salinity Intrusion and Agricultural Productivity: Evidence from Mekong River"

*Ha Vu*

15:10 Coffee break

*Session 4 Risk and Resilience Chair: Yuheng Li (Chinese Academy of Sciences)*

15:25 Chris Berthelsen (Ehime University)

"How Can We Be Convivial Weather Commoners? Early Thoughts on the Emergent Practice of Disaster Theatre for Fostering the Agency and Self-Determination of Communities Before, During, and After Extreme Weather Events"

*Chris Berthelsen, Sophie Jerram, Alex Bonham, and David Johnston*

15:50 Jung Hee Hyun (IIASA)

"Empirical Insights from a Global Inventory of Community-level, Disaster Resilience-Building Interventions: Assessing Narratives to Capture Impact"

*Jung Hee Hyun, Stefan Velev, Reinhard Mechlar, and Stefan Hochrainer-Stigler*

16:15 Tomoki Ishikura (Tokyo Metropolitan University)

"Mitigation of Economic Vulnerability by Redundant Highway Network: Application to the Heavy Rainfall Disaster in Hiroshima"

*Tomoki Ishikura*

16:40 Nataliia Dehtiar (Sumy National Agrarian University)

"Resilience of Ecosystem Services in Ukraine During the War: Damage and Costs"

*Nataliia Dehtiar*

17:05 Closing of DAY 1

18:15 Dinner

## **DAY 2**

*Session 5 Commons, Communication, and Community Chair: Hayeong Jeong (Kyungnam University)*

8:45 Tetsu Lucas Matsushima (Ehime University)

"The Problem of Forest Underutilization as the Tragedy of Anti-Commons and Natural Forest Restoration Practices: The Case of a Japanese Mountainous Area"

*Tetsu Lucas Matsushima, Tsuyoshi Hatori, and Hyun-Young Lee*

9:10 Sachiko Ono (Meijo University)

"An Analysis of Expectations for Pickup Transport by Volunteer Focusing on Psychological Factors"

*Sachiko Ono*

9:35 Yoshifumi Demura (Gifu University)

"The Detachment of Local Towns in Modern Japanese River Improvement - A Study from the Perspectives of the Establishment of Chimata"

*Yoshifumi Demura*

10:00 Maryline Filippi (Université Paris-Saclay)

"The Place and Role of European Regional and Territorial Policies of Culture and Innovation in Non-Urban Areas"

*Maryline Filippi and André Torre*

10:25 Coffee break

*Session 6 Tourism Chair: Emi Tohyama (Kyoto University)*

10:40 Susanne Klien (Hokkaido University)

"Ibashi tourism - Rural Areas as Pockets of Resilience or Risk?"

*Susanne Klien*

11:05 Martin Hofer (IIASA)

"Leveraging Web-Scraped Data to Analyze Tourism Destinations and Flows in Rural Areas"

*Martin Hofer and Ian McCallum*

11:30 Randolph Ramseyer (University of Applied Sciences Western Switzerland)

"Challenges for Innovation and Territorial Development of Tourist Destinations in the Face of a Health Crisis"

*Randolf Ramseyer*

11:55 Lunch

12:55 Schloss (IIASA's main building) tour

*Session 7 Governance Chair: Tsuyoshi Hatori (Ehime University)*

13:40 Emi Tohyama (Kyoto University)

"Trends in International Inclusion and Child Language Education in Vietnam: A Case Study of "Open Book" as a Storybook Reading Community in Ho Chi Minh City"

*Emi Tohyama and Thuy Tuong Vy Le*

14:05 Omkar S Patange (IIASA)

"A Decentralized Energy Governance Framework to Improve Rural Energy Access"

*Omkar S Patange*

14:30 Myungsik Do (Hanbat National University)

"Improving Emergency Medical Services for Declining Local Cities Using Urban Air Mobility"

*Myungsik Do*

14:55 Kwangmoon Kim (Kochi University of Technology)

"Comparative Historical Study on Creativity, Innovation and Leadership for Development of a Self-Sustaining and Sustainable Circulation Economic System Using Local Resources: The Case Studies of 'Peter Wadasch', Mayor of Güssing in Austria (1990s-2010) and 'Nonaka Kenzan', Retainer of the Tosa Clan in Japan (1636-1664)"

*Kwangmoon Kim, Masao Nagano, Yuji Yokoyama, and Masanobu Nagano*

15:20 Coffee break

*Session 8 Knowledge and Development Chair: Muneta Yokomatsu (IIASA)*

15:35 Lin Zhu (Southwest University)

"The Impact of Human Capital on the Income of Poverty Alleviation Households and its Heterogeneity-Based on Survey Data from 3,856 Households Lifted out of Poverty"

*Lin Zhu, Heping Liao, and Wanqi Xi*

16:00 Nataliia Moroziuk

"Social Development Trends in Ukraine"

*Nataliia Moroziuk*

16:25 Muneta Yokomatsu (IIASA)

"A Nonlinear Dynamic Model of Opportunity-Based Learning in Disaster Time and Knowledge Formation"

*Muneta Yokomatsu and Tomoki Ishikura*

17:40 Overall Comments and Discussion

Kiyoshi Kobayashi (Kyoto University) and Tsuyoshi Hatori (Ehime University)

17:15 Closing

Hans Westlund (KTH and Jönköping International Business School)

Organizers:

Marginal Area Research Group (MARG) and Systemic Risk and Resilience Group, Advancing Systems Analysis, IIASA