SPRU 50th Anniversary Conference Draft Full Programme

Wednesday 7 September

15.00-16.30

Α	Dialogue session: Transforming innovation from below? Grassroots action for sustainable developments
	Organiser: Adrian Smith
	Chair: Adrian Smith
	Panellists: Judith Sutz, Amber Meikle, Dinesh Abrol, Mariano Fressoli
В	Dialogue session: STI in the United Nations: historical reflections and lessons for the Sustainable Development Goals
	Organiser: Adrian Ely
	Chair: Adrian Ely
	Panelists: Geoff Oldham, Dong Wu, Elenita 'Neth' Daño, Joanna Chataway
С	Dialogue session: 50 years of SPRU research into nuclear power: reflections on the history and prospects of atomic
	energy
	Organiser: Phil Johnstone
	Panelists: Gordon MacKerron, William Walker, Steve Thomas, Bill Nuttall, Malcom Grimston
D	Dialogue session: Policy mixes for innovation: Progress and challenges ahead
	Organiser: Karoline Rogge, Florian Kern
	Chair: Florian Kern
	Panelists: Claire Nauwelaers, Rainer Quitzow, Karoline Rogge, Elvira Uyarra, Dominique Guellec
E	Dialogue session: Rethinking pharmaceutical innovation: New models for more efficient R&D and improved patient
	access Overanicars: Mariana Mazzucata, Michael Hankins
	Organisers: Mariana Mazzucato, Michael Hopkins Panelists: Jake Scannell, Richard Torrbett, Virginia Acha, Els Torreele
	Panelists: Jake Scannell, Richard Forrbett, Virginia Acha, Els Forreele
F	Dialogue session: Governing national and international science, technology and innovation efforts for the grand challenges
	Organiser and chair: Andreas Stamm
	Panelists: Keith Smith, Wolfgang Polt, Aurelia Figueroa
	Turienser Keitir Similar, Wongang Ford, Autena Tigueroa
G	Dialogue session: The Impact of Innovation on Society: Reflections on the clash between Intellectual Property
	Rights and Human Rights' protection
	Organiser: Elisa Guiliani
	Panelists: Valeria Arza, Anabel Marin
Н	Dialogue session: Entrepreneurship, Policy and Industrial Dynamics
	Organiser: Paul Nightingale
	Panelists: Alex Coad, Marc Cowling, David Storey
1	Dialogue session: Challenges of Research Impact Assessment for addressing Societal Challenges
	Organiser: Pierre-Benoit Joly
	Panelists: François Houllier, Jordi Molas-Gallart, Frank Rijsberman

Thursday 8 September, Session 1, 09,00-10,30

Thursday 8 September, Session 1. 09.00-10.30		
А	Dialogue session: Open science and the development of policy options for innovation Organiser: Dr Molly Morgan Jones Chair: Professor Joanna Chataway	
	Panelists: Molly Morgan Jones, Elta Smith, Kei Ito	
В	Dialogue session: Transforming evaluation: How can research assessment help address global challenges and societal transformations?	
	Organiser: Ismael Rafols, Michael Hopkins Panelists: Jonathan Adams, Valeria Arza, Gavin Reddick, Judith Sutz, Jane Tinket, Paul Wouters	
С	Research session: Innovation, sectoral systems and catch-up cycles Organiser: Franco Malerba Discussant: Ariel Wirkierman	
	Toward a theory of catch-up cycles and changes in industrial leadership: windows of opportunity and responses by firms and countries in the evolution of sectoral systems Keun Lee, Franco Malerba	
	Catch-up cycles and changes in industrial leadership in steel and other industries Keun Lee, Jeehoon Ki, Franco Malerba, Martin Bell	
	A history-friendly model of the successive changes in industrial leadership and the catch-up by latecomers Fabio Landini, Keun Lee, Franco Malerba	
D	Research session: Sustainable and inclusive urban infrastructure: a need for a sea change? (1) Part 1: Sustainable and inclusive urban infrastructure: urban systems Organiser: Ralitsa Hiteva, Kat Lovell and Tim Foxon	
	Towards a New Approach for Infrastructural Innovation: Overcoming Assumptions of Governability for Inclusive and Resilient Urban Systems Mendel Giezen, Eric Chu, Luca Bertolini	
	Transition to sustainable urban waste management Antje Klitkou, Markus M. Bugge, Arne Fevolden	
	Can cities be important actors in realising the public interest benefits of smart meter data? <u>Jess Britton</u>	
E	Research Session: Is Market Selection a Useful Metaphor to Understand Innovation and Economic Dynamics? Organiser: Uwe Cantner, Simone Vannuccini Chair: Simone Vannuccini Discussant: Andrè Lorentz	
	The footprint of evolutionary processes of learning and selection upon the statistical properties of industrial dynamics <u>Giovanni Dosi</u> , Marcelo C. Pereira, Maria Enrica Virgillito	
	Weak selection dynamics and evolutionary competition Werner Hölzl	
	Schumpeterian interaction: Extending the Replicator Dynamics <u>Uwe Cantner</u> , Simone Vannuccini	
F	Innovation indicators and performance Innovation in Africa: Measurement, Policy and Global Issues Fred Gault, Luke Mumba	
	On the origins of patents as an invention indicator: The legacy of early steam navigation entrepreneurship and historiography Sandro Mendonça	
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	Low-quality patents in the eye of the beholder: Evidence from multiple examiners
	Gaétan de Rassenfosse, Elizabeth Webster, Adam Jaffe
G	Governance of Innovation 1 Directing innovation with regulation: history, the status quo and proposals for change Erik Millstone
	Beyond experiments: shaping a joint research agenda for climate governance innovation Bruno Turnheim, Paula Kivimaa and Frans Berkhout
	The 'Asbestos Index' for disapproved innovations: variation across countries <u>Alex Coad</u>
Н	Transitions A Grand Societal Experiment Arie Rip
	How to study transition problems: a systematic review and methodological critique Mohammadreza Zolfagharian
	Alternative transition pathways: Challenges for the niche bias of the multi-level perspective Jochen Markard
I	Innovation Horizons The Ecosystem Implications of Commercialization Objectives in Mission-Oriented Public Agencies: Space in the US and the EU
	Mariana Mazzucato, Douglas K. R. Robinson Biotechnology as a new techno-economic paradigm which will help power the next long upturn Andrew Tylecote
	Innovation's Future: A Counter-Cyclical Strategy To Defeat Austerity Henry Etzkowitz, Alex Etzkowitz and Alice Zhou
J	Science, technology and development The technology dimension of industrial policy in developing economies: the connection between policy content and the institutional basis of policy-making Martin Bell
	Benefits and obstacles of openness in science: evidence from four case-studies in Argentina <u>Valeria Arza</u> , Mariano Fressoli
	South-south trade in capital goods: The market driven diffusion of appropriate technology Raphie Kaplinsky, Rebecca Hanlin
K	Controversies in Technology Policy Innovation policy at stake: Should we throw the baby with the bath waters or change the composition of the bath waters Philippe Larédo
	Innovation Theory and Innovation Policy: A Failure of Communication and Interaction <u>Charles Edquist</u>
	A Solution Looking for a Problem? Promises, Social Reconfigurations, and the "Deficit Model" of Innovation Joakim Juhl, Sebastian Pfotenhauer
L	New Conceptualisations Mapping and narrating a plurality of publics for socio-technological transformations Go Yoshizawa
	Serendipity in research and innovation: Towards a taxonomy and a theory Ohid Yaqub

Additive Manufacturing in Transition: Mobilising framing and overflowingto understand the creation and normalisation of protected spaces

Douglas Robinson, Philippe Laredo, Axel Lagnua

А	Dialogue session: 50 years of Science Technology and Innovation policy in Latin America and beyond Organiser: Matias Ramirez
	Panelists: Paloma Bernal, Diego Chavarro, Andrea Laplane Judith Sutz, Gabriela Dutrenit
В	Research session: Innovation Systems and Structural Transformation from an Historical Perspective Organiser: Maria Savona Chair: Bengt-Ake Lundvall Discussant: Luc Soete
	Toward a Taxonomy of National Systems of Innovation System in European and Latin American Countries <u>Alessandro Nuvolari</u>
	Varieties of Innovation Systems and Structural Changes in Europe: Challenges for the 21st Century" Maria Savona
	Financial Cycles and Macroeconomic Dynamics José Antonio Ocampo
С	Capitalism and regime transformation Spatial systems of innovation: adapting the national innovation systems approach to the global capitalist dynamics Juan Carlos Mondragon-Quintana
	Social Innovation and the Creative Destruction of Capitalism: Rethinking Innovation after the Financial Crisis Kyriaki Papageorgiou
	Innovation policy in the age of transitions <u>Gijs Diercks</u> , Henrik Larsen, Fred Steward
D	Research session: Sustainable and inclusive urban infrastructure: a need for a sea change? (2) Part 2: Sustainable and inclusive urban infrastructure: Decentralised and smart urban experiments? Organiser: Ralitsa Hiteva, Kat Lovell and Tim Foxon
	Innovative Decentralised Urban Infrastructure: Key Factors in the Direction of Development Chris Bouch , Chris Baker, Chris Rogers, Ian Bartle
	Five contradictions of smart-sustainable urbanism Chris Martin, James Evans, Andrew Karvonen
	Smart City Construction: toward an analytical framework for smart city experimentation Frans Sengers, Philipp Späth, Rob Raven
E	Research Session: Investigating unchartered grounds on open innovation: understanding open innovation in SMEs Organiser: George Tsekouras Entrepreneurial Experimentation: The importance of spin-off and acquisition of innovative SMEs Asa Lindholm Dahlstrand, Bo Carlsson, martin Andersson
	Open innovation ecosystems for entrepreneurs involved in social innovations <u>John Bessant</u>
	Collaborating with 'gorillas' to scale up: challenges, strategies and implications Vareska van de Vrande
	Managing open innovation projects in SMEs: A conceptual framework and a plan of research George Tsekouras
F	Governance of Innovation Learning and innovation in Developing Economy Clusters: Comparing Private and Non-Profit Intermediaries in cluster governance Matias Ramirez, Ian Clarke, Laurens Klerkx

	Innovation for the global commons: multilateral collaboration and polycentric governance in a heteropolar world
	Keith Smith
	Governing genetic resources to address global challenges: right intentions; wrong outcomes <u>Catherine Rhodes</u>
G	Green entrepreneurship, innovation and skills Structure and dynamics of green employment across US metropolitan areas Davide Consoli, Nicolo Barbieri
	Energy-efficient innovation and firm size: How different firms respond to different institutional pressures Luca Grilli, Paola Garrone and Boris Mrkajic
	Green Technology Based Firms (GTBF): Business as Usual? <u>Pelin Demirel</u> , Giuliana Battisti
Н	Flirting with knowledge It takes more than two to tango: Building up linkages between Non High-tech SMEs and Universities George Tsekouras, Andre de Campus
	Seduced into collaboration: A resource-based choice experiment to explain knowledge acquisition strategies of SMEs Frank J. van Rijnsoever, Sander N. Kempkes, Maryse Chappin
	Global Mismatch in Knowledge Production <u>Patrick Gaule</u> , Ruchir Agarwal
1	Entrepreneurial States Mission-oriented policies: a new framework applied to the case of Brazil's Inova programme Mariana Mazzucato, Caetano Penna
	Public Entrepreneurship: Dynamic Collaborative Governance for Social Innovation Christopher S. Hayter , Albert Link
	The role of State Investment Banks in enabling low-carbon technological change <u>Anne Geddes</u> , Tobias S. Schmidt
J	Renewable energy session Global development trajectories in the wind and solar photovoltaics sector: how technology related differences shape the dynamics of international knowledge transfer Rainer Quitzow , Joern Huenteler
	Technological knowledge networks in China: the case of PV Technology Iciar Dominguez Lacasa, Mahmood Shubbak
	The green fling: Market volatility in incumbent industries and sustainability transitions in an oil-fuelled economy Jakoba Sraml Gonzalez, Tuukka Makitie, Keith Smith & <u>Taran Thune</u>
К	Big Data as a Tool for Mapping Innovation Innovation Policy-making In the Big Data Era Hasan Bakhshi, Juan Mateos-Garcia, Stian Westlake
	Evidence of big data value for broadcasters: A qualitative analysis on R&D projects from BBC and NHK Santiago Ruiz-Navas, Kumiko Miyazaki
	Economic and Technological Complexity: A Model Study of Indicators of Knowledge-based Innovation Systems Inga Ivanova , Øivind Strand, Duncan Kushnir, Loet Leydesdorff
L	Medical Innovation Brazilian research networks in dengue: evidence for policy and planning Bruna de Paula Fonseca
	Network heterogeneity, scientific performance and medical innovation

Oscar Llopis, Maureen McKelvey, Irene Ramos-Vielba, Alfredo Yegros, Pablo D'Este

When author becomes inventors: an empirical analysis on patent-paper-pairs in medical research Arianna Martinelli, Elena Romito

A	University-industry tech transfer University characteristics and the creation of high-growth spin-offs. An empirical investigation of the UK. <u>Ugo Rizzo</u> , Francesco Rentocchini, Laura Ramaciotti
	Exclusive or Open? An Economic Analysis of University Intellectual Property Licensing Strategies Sila Öcalan-Özel, Julien Penin
В	R&D, productivity and structural change Sector dynamics and firms demographics of top R&D investors in the global economy Pietro Moncada-Paternò Castello
	The Compositional Nature of Productivity Slowdown Simone Vannuccini, Uwe Cantner, Holger Graf
С	Innovation Systems Global Innovation Systems: A framework for technological innovation in transnational contexts Christian Binz, Bernhard Truffer, Lars Coenen
	Re-casting the innovation systems 'net' through experiences with energy system change <u>Alexandra Mallett</u>
D	Technological trajectories Patterns of technological diffusion: evidence from patent data Petros Gkotsis, Antonio Vezzani
	Mapping research priorities and their relation to societal needs over time. The case of rice research since the '80s <u>Tommaso Ciarli, Ismael Rafols</u>
E	Transitions in Education Integrating Responsible Research and Innovation (RRI) into scientific training: learning lessons across borders, UK and Brazil Christopher Till, André Sica de Campos, Emma Frow, Janaina Pamplona da Costa, Margarita Staykova, Sara Wilford
	Grassroots Up-scaling of Transition Experiments: Insights from Action Research on Campus Sustainability (2009 – 2016) Zeeda Fatimah Mohamad
F	Science Policy Model Answers Paul Nightingale
	Is Science Policy a Policy Science? <u>Caroline Wagner</u>
G	Organisations and Innovation Succession and family business innovation: Case of machinery manufacturing sector in Ankara Merve Gül Barut, Semih Akcomak, Çağrı Topal
	Adoption and Re-adaptation of management practices: the paradox of abandon Rosane Argou Marques, Isabel Maria Bodas Freitas
Н	Cross-section interactions Analyzing interdependent systemic problems for the diffusion of clean innovations in the Dutch concrete industry Alexander van der Vooren, Joeri H. Wesseling
	Cross-sectoral technological knowledge building and exploitation in the functional food industrial convergence: Empirical Study from Japanese Functional Food Industry Paveena Lalitnorasate, Kumiko Miyazaki
I	Natural resource management and technological capabilities

	Natural resource diversity and Knowledge idiosyncrasies. Implications for resource intensive development paths and sustainability transitions Allan Dahl Anderson, Olav Wicken Sustainable management of natural resources via enhancing knowledge base: experiences from Latin American countries Michiko Iizuka, Fernando Vargas Cuevas, Jakob Baumann
J	Policy mixes and change Alignment of innovation objectives in the policy mix Isabel Maria Bodas Freitas Designing Policy Mixes for Transformative Changes: Towards a Common Framework Sebastian Sewerin, Tobias S. Schmidt
К	Development income trap Trapped in the middle. Development, R&D and the national innovation system. Diana Súarez, Analía Erbes Korea's innovation system transition at the crossroad: System failure or Post Catch-up? Jae-Yong Choung, Hye-ran Hwang
L	Follow up session to Panel 3 - Dialogue session: The work of the IPSP Saurabh Arora, Social Progress a Compass Raphie Kaplinsky, Markets, Finance and Corporations: Does Capitalism has a Future Judith Sutz, Inequality and Social Progress

Thursday 8 September, Session 4. 15.45-16.45

Α	Returns to labour and R&D European high-growth innovative firms: how do they grow? Maria Del Sorbo, Daniel Vertesy
	Economies of skill of R&D intensive firms. Breaking the law of diminishing marginal returns to labour
	Sara Amoroso
В	Direction and organisation of research funding R&D policy based on goals: when the reality does not meet expectations Adão Carvalho
	Funding transformative research: ESRC's challenge to conservatism in peer review Peter Kolarz, Erik Arnold
С	
	Politics of inclusion The Politics of Inclusion: Decentralizing Science, Technology and Innovation for Regional Development in Colombia Elisa Arond
	Including indigenous communities in ICTs innovation: The case of first nations in Northern Canada Martha Burkle
D	Transition Regimes and Competences Competences for sustainability transitions – the Climate-KIC Transitions Hub Fred Steward, Cristian Matti, Andreas Huck
	Global socio-technical regimes Lea Fuenfschilling, Christian Binz
E	GVC governance, development and catching up Small farmers' technological learning in berries for export markets Cecilia Ibarra, Matias Ramirez
	Sustainability Transition and Technological Catch-Up Guidance of search as a strategic mechanism for leapfrogging Xiao-Shan Yap, Bernhard Truffer
F	Building Futures Transformative futures of research and innovation. a meta-analysis of two scenario-building exercises K. Matthias Weber, Stephanie Daimer
	The contrasted delineation of futures. The case of agroecological transition in France. Marc Barbier, Sébastien Treyer, Jessica Thomas, Sarah Lumbroso
G	Green innovation: the firm perspective External support for Resource efficiency measures adoption: An empirical analysis on European SMEs Isabel Maria Bodas Freitas, Nicoletta Corrocher
	Opportunities for eco-innovation: Identifying actors and underlying knowledge bases in the Netherlands Floortje Alkemade, Carolina Castaldi, Onder Nomaler
Н	Cognitive Proximity, Learning and Innovation Spirituality and network-based learning: the mediating effect of cultural compatibility, creativity, and identity Federica Ceci, Francesca Masciarelli, Andrea Prencipe
	Don't Talk to Strangers? Cognitive Proximity, Social Proximity and the Productivity of Mobile Inventors Rasmus Bode, Guido Buenstorf and Dominik P. Heinisch
I	Micro-innovation and development

	The Role of Social Capital for Creating Value in Mobile Money Systems Addisu Lashitew
	Cursed is the ground because of you - Religion, Ethnicity, and the Adoption of Fertilizers in rural Ethiopia Marco Guerzoni, <u>Alexander Jordan</u>
J	Medical Innovation Innovation in health care: the contributions of hospital employees to research- and practice-based innovations Taran Thune, Magnus Gulbrandsen
	Knowledge-intensive consumer services: Case study evidence on the growth of innovative global healthcare tradables Cátia Costa, Sandro Mendonça
К	STI Funding Innovation in Times of Financialization: Does Financialization Enhance the Lack of Future-oriented Innovations in Coordinated Market Economies? The Example of Germany Katrin Hahn
	STI policies, national innovation system and framework conditions: Their impacts on innovation performance in Hungary Attila Havas

А	Dialogue Session: Science Fiction and Innovation: Who is leading the Dance? Organiser: Ed Steinmueller, Daniele Archibugi
	Chair: Saurabh Arora, SPRU Panelists: Daniele Archibugi, Caroline Bassett, Ralitsa Hiteva, Ed Steinmueller, Caroline Bassett
В	Dialogue Session: Local production of medicines in LMICs: how can it promote innovative capabilities for resilient and responsive health systems in changing African contexts? Organiser: Geoffrey Banda Chair: Maureen Mackintosh Panelists: Joana Chataway, Dinar Kale, Julius Mugwagwa, Geoffrey Banda
С	Research session: Sustainable and inclusive urban infrastructure: a need for a sea change? (3) Part 3: Sustainable and inclusive urban infrastructure: critical perspectives on infrastructure governance Organisers: Ralitsa Hiteva, Kat Lovell, Tim Foxon
	What governance innovations are needed to enable infrastructure development contribute to the creation of sustainable and inclusive cities? <u>Tom Dolan</u>
	Value Creation and Capture for a Low Carbon Infrastructure Ralitsa Hiteva, Tim Foxon, Kat Lovell
	How transitions may derail: Lessons from innovation and infrastructure history <u>Erik van der Vleuten</u>
D	Research session: The role of hospitals in innovation Organiser: Ewan Ferlie, Bryn Lander Commentator: Magnus Gulbrandsen Chair: Piera Morlacchi
	Bench to bedside? Boundaries and innovation in academic health science centres Catherine French, Ewan Ferlie, Naomi Fulop
	At your service Clinical practice innovation in hospitals Bryn Lander
	Buying health? Mobilizing hospital procurement for sustainable innovation Fiona Alice Miller, Pascale Lehoux
E	Research session: Direction and pace of green technology innovation: What do we need to know about finance and policy to influence it? Organiser and Chair: Gregor Semieniuk Discussant: Ariel Wirkierman
	Capitalism, technology and a green global golden age: The role of history in helping to shape the future Carlota Perez
	Is Going Green Remaining Brown? Directed Technical Change and the Policy Mix in Energy Innovation <u>Lionel Nesta</u>
	Financing renewable energy: Who is financing what and why it matters Mariana Mazzucato
F	Urban Transformations Transforming Innovation for Urban Sustainability: An International Comparison of Technological Innovation Systems of Smart Cities Masaru Yarime
	Where to transition to? A full cost framework to analyse a transition from centralised to decentralised urban waste

	water infrastructure
	Sven Eggimann, Bernhard Truffer, Max Maureer
	Innovation in Relocalization in the local food system: Understandings of Sustainability and Urban Agriculture
	connections in the policymaking process.
	Daphne Page
G	Technology Drivers
	Reformulating rationales for public procurement for innovation (PPI) policies: insights from the China Brazil Earth
	Resources Satellite (CBERS) Programme Milton de Chagas Freitas, André Sica de Campos, Janaina Pamplona, André Furtado
	Wilter de Chagas Freitas, Andre Sica de Campos, Sanama Fampiona, Andre Fartado
	Tailoring innovation policies to technology-specific learning patterns: An analysis of knowledge feedbacks in three
	clean energy technology innovation systems
	<u>Tobias Schmidt</u>
	Tech to social or social to tech: path dependency and the birth of a new entrepreneurial genre.
	Mario Calderini, Veronica Chiodo, Mattia Corbetta
	Mario Galdernii, Veronica Ginodo, Mattia Gorsetta
Н	Opening ICTs
	Situating Open Government Data: A crossroads in government-citizen relationships?
	Daniel J. Paré
	Technological cycles and ICT revolution: evidence from patent data
	Marianna Epicoco
	Open Innovation: revealing and engagement in Open Data organisations
	Franz Huber, Francesco Rentocchini and <u>Thomas Wainwright</u>
	Assidancia suin suda and luravuladas Aranafar
I	Academic spinouts and knowledge transfer Upstream versus Downstream Antecedents of Academic Entrepreneurship: Are Scientific Discoveries or Interaction
	with Users that Matter?
	Irene Ramos-Vielba, Pablo D'Este, Mabel Sánchez-Barrioluengo, Alfredo Yegros
	The strategic orientation of Universities in knowledge transfer activities Paola Giuri, Alessandra Scandura, Federico Munari, Laura Toschi
	radia diuri, Alessandra Scandura, Federico Ividilari, Ladra Tosciii
	Academic spin-offs: counting beans or extracting value?
	<u>Francesco Rentocchini</u> , Mario Benassi , Matteo Landoni
J	Agricultural Innovation
	Agro-ecological innovation: fitting or transforming the dominant agro-food system? Les Levidow
	<u>LES LEVINOW</u>
	Impact assessments of genetically engineered crops: Informing or forming technological choices?
	Patrick van Zwanenberg, Anabel Marin
	The structural change on rice agriculture system in Japan by the introducing policy of innovation Shingen Yamamoto, Yutaka Takahashi
	Simpon ramamoto, rataka rakanasin
K	Social Innovations
	Innovation as a Political Process of Development: Are Neo-Schumpetarians Value Neutral?
	Theo Papaioannou, Smita Srinivas
	The humanization of the economy through transformative social innovation, countering processes of marketization
	and bureaucracy
	René Kemp, Tim Strasser, Marc Davidson, Paul Weaver, Julia Backhaus, Bonno Pel, Flor Avelino, Alex Haxeltine, Adina
	Dumitru
	Division Future (a. Fine stine Critical and Consolistics Design at the Delice Duty)
	Plural Future/s: Enacting Critical and Speculative Design at the Policy-Publics Interface Georgina Voss, Justin Pickard, Tobias Revell
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L	Medical Innovation 2
	Designing technologies for sustainable healthcare systems: Articulating a new research agenda on responsible
	innovation in health
	Pascale Lehoux
	Co-Creation in Innovation -Towards a theory of co-creation in converging health innovations
	Ellen Moors
	Do Funding Sources Complement? The Case of the UK Cancer Research
	<u>Daniele Rotolo</u> , Michael Hopkins, Nicola Grassano
М	Green Entrepreneurship, Innovation and Skills
	Better Late Than Never: A longitudinal quantile regression approach to the interplay of firm growth, green
	technology and age
	Riccardo Leoncini, Alberto Marzucchi, Sandro Montresor, Francesco Rentocchini, Ugo Rizzo
	Environmental Regulation and Green Skills: an empirical exploration
	<u>Davide Consoli,</u> Francesco Vona, Giovanni Marin and David Popp
	Hierarchical Process of Innovation Policy Change - A Study of China's Transition towards Clean Mobility
	Lei Xu, Jun Su
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Α	Dialogue session: Learning innovation agencies and entrepreneurial ecosystems Organiser: José Manuel Leceta
	Chair: José Manuel Leceta Panelists: Ben Martin, Charles Edquist, Francisco Marín, Josep M. Pique, Mariana Mazzucato
В	Dialogue session: Innovation in healthcare delivery – is competition a good thing? The role of the private sector in driving innovation in clinical services
	Organiser: Peter Varnai, Maike Rentel Panelists: TBC
C	Research session: Intermediary actors in innovation and energy system transition (1) Organisers and Chairs: Paula Kivimaa, Anna Bergek Commentator: Wouter Boon
	Mapping formal intermediaries in renewable electricity production in Sweden: methodological challenges, empirical findings and conceptual implications <u>Dr. Anna Bergek</u> , Ingrid Mignon, Johanna Nählinder
	Do intermediary organisations challenge the incumbent? <u>Dr. Kaisa Matschoss</u> , Eva Heiskanen
	Intermediating towards transformative change in the building sector – experiences from UK low energy housing case studies <u>Dr. Mari Martiskainen</u> , Paula Kivimaa
D	Research session: The Interaction between Innovation, Employment, Inequality, and the Environment Contrasting Evolutionary Models on Global Challenges (1) Organiser: Tommaso Ciarli Chairs: Giovanni Dosi and Richard Nelson Commentators: Andrea Roventini and Tim Foxon
	When more Flexibility Yields more Fragility: the Microfoundations of Keynesian Aggregate Unemployment Maria Enrica Virgillito
	Faraway, So Close: An Agent-Based Model for Climate, Energy and Macroeconomic Policy <u>Francesco Lamperti</u>
	An Evolutionary Model of the Risk-Reward Mechanism in the Innovation-Inequality Relationship <u>Ariel Luis Wirkierman</u>
Е	Innovation in Knowledge Intensive and Creative Sectors Knowledge intensive entrepreneurship: going beyond the Schumpeterian entrepreneur Maureen McKelvey, Franco Malerba
	The statistical reality of the creative industries: defining a rigorous standard <u>Alan Freeman</u> , Hasan Bakhshi, John Davies and Peter Higgs
	Competitive Moves during Disruptiveness: A Study of Digitization in the Dutch Music Industry Amber Geurts, Thijs Broekhuizena and Wilfred Dolfsmab
F	Standard, Regulation and Innovation Epistemic Jurisdiction and its Problems: Sustainability Standards in Global Administrative Spaces David Winickoff, Matthieu Mondou
	Platforms and Standards: An Historical Perspective <u>Ed Steinmueller</u>
	Stabilizing and De-Stabilizing Toxic Regimes: Experts, Law and Agriculture Politics in Greece 1940-2015 Stathis Arapostathis

G	R&D Responses to External and Internal Pressures Technological Search over the business cycle: Do technological competences and financial constraints affect the
	search strategies of the firms? <u>Daniela Silvestri,</u> Massimo Riccaboni, Antonio Della Malva
	The benefit of failure. Does learning-by-failing contribute to successful innovations? Elena Cefis, <u>Riccardo Leoncini</u>
	The evolutionary roots of adaptive capacity: How the past quirks of an organization's environment influence its future latitude <u>Allard van Mossel</u>
Н	Research Funding and Organisations of Science Back to basics – revisiting rhetoric of competitive research funding allocation and impact agenda in Sweden Katarina Larsen, Susanne Nilsson
	Transforming Public Research Organizations in Post-Socialist Poland: Old Limitations and New Routes to Intellectual Renewal <u>Steffi Heinecke</u>
	From High-Energy Physics to Photon Science. The Transformation of National Laboratories in the United States and Germany. <u>Thomas Heinze</u>
I	Inclusive Innovation Reflections on analytical challenges of science, technology and innovation policies to deal with poverty problems. A specific reference to Mexico Rosalba Casas Guerrero
	Frugal innovations: design and architectural perspective <u>Chaisung Lim</u> , Takahiro Fujimoto
	Transformative change for an inclusive society: insights from social innovations and implications for innovation policy Paul M. Weaver, René Kemp, Tim Strasser, Julia Backhaus, Bonno Pel, Flor Avelino
J	Community/distributed energy session Community energy as institutional innovation: rules, discourses and grassroots agency Audley Genus, Marfuga Iskandarova
	Distributed Energy Storage Systems: Effects on Demand Volatility Marco Valente, Tommaso Ciarli
	Service based business models in renewable micro generation – What about the impact on local energy autonomy? Jouni Juntunen
К	Research Evaluation Assessing the Impact of Research and Innovation: An analysis of evidence, metrics and narratives used in REF2014 Business and Management impact case studies Claire Donovan
	Towards a novel method of research evaluation: tracking proximity change in translational research projects. Frédérique Lang, Michael Hopkins, Jordi Molas-Gallart, Ismael Rafols, Puay Tang
	University research system transformation: connecting shifting governance to dynamics of citation distributions <u>Diana Hicks</u> , Jian Wang
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Α	Dialogue session: "Innovating Policy:Transdisciplinary Practice and the Politics of Co-Construction in Policy Labs" Organiser: Susanna Nascimento
	Panelists: Ann Light, Lucy Kimbell, Adrian Smith, Stephane Vincent, Thomas Prehn
В	Research session: Innovation and the Creative Economy: Fusion, confusion and the policy challenge
	Organiser: Jonathan Sapsed
	Chair: Beatrice D'Ippolito Discussant: Christopher Tucci
	Discussant. Christopher Facel
	Creative Digital IT Skills Fusion and its performance effects
	Jonathan Sapsed Juan Mateos Garcia, Paul Nightingale
	Juli Mateos Garcia, Faur Nightingale
	Skills diversity and firm growth: The Complementary role of arts and science skills
	Josh Siepel, Roberto Camerani, Monica Masucci
	Innovation policies for a creative economy: Challenging the dominance of science, technology and innovation (STI)
	'Research'
	Bruce Tether, Mickael Benaim
С	Research session: Intermediary actors in innovation and energy system transition (2)
	Organiser: Paula Kivimaa, Anna Bergek
	Commentator: Matias Ramirez
	Community-based intermediation for local embedding
	Jacob Barnes
	Finnish Environment Institute SYKE: Lessons from natural resource management to energy policy intermediation Dr. Eeva Primmer, Suvi Huttunen
	<u>str zeva v mimier</u>) savi mattanen
	From a systematic review to a dynamic typology of intermediaries in transitions
	<u>Dr. Paula Kivimaa</u> , Wouter Boon, Sampsa Hyysalo, Laurens Klerkx
D	Research session: The Interaction between Innovation, Employment, Inequality, and the Environment Contrasting
	Evolutionary Models on Global Challenges (2)
	Organiser: Tommaso Ciarli Chairs: Giovanni Dosi, Richard Nelson
	Commentators: Andrea Roventini, Tim Foxon
	A History-Friendly Model of Structural Change and Productivity Growth: Policies and Divergence in Comparative
	Perspective Mario Cimoli
	Be Patient Enough to Wait what You Deserve: Banks' Time horizons, Borrowing Constraints and the Evolution of Industries
	Mauro Napoletano
	Structural Changes and Growth Regimes
	André Lorentz
E	Research session: Building Blocks for a New Innovation Theory addressing Social Change
	Organiser: Johan Schot
	Commentator: Richard Nelson Chair Arie Rip (invited)
	Chair rate trip (mintea)
	The need for an updated framework for innovation policy
	Luc Soete
	How did we grow apart?
	Robin Williams

	Origins and Development Potential of MLP New Innovation Theory addressing Social Needs Frank Geels and Johan Schot
F	Infrastructure Innovation Too old to fail? Addressing transformation bottlenecks: Innovation in mature infrastructure sectors Kat Lovell
	The politics of infrastructure pilot projects Harold Rohracher, Thomas Berker
	Strategies of the main actors related to the diffusion of smart houses in Japan Kumiko Miyazaki, Kentarou Nishida
G	Regional and Urban Politics of Innovation Placed-based policies for innovation — A critical assessment of the S3 governance system and the Entrepreneurial Discovery in Eastern Macedonia and Thrace Elisabetta Marinelli, Mark Boden, Patrice Dos Santos, Karel Haegeman
	Regional innovation systems and transformative change: The case of the chemicals industry in West Sweden Hanna Martin
	An innovation system framework for system innovation policy: the case of Strategic Innovation Programs (SIPs) in Sweden Lars Coenen, Jerker Moodysson, Teis Hansen and Markus Grillitsch
Н	University-Industry Relations The Retreat of Public Research and its Adverse Consequences on Knowledge, Innovation and Social Welfare Daniele Archibugi , Andrea Filippetti
	Funding Portfolio for Academic Research: From Additionality of Sources to Production of Science Stefano Bianchini, Patrick Llerena
	The efficiency of Portuguese Technology Transfer Offices and the importance of university characteristics Aurora A.C. Teixeira, André Monteiro
I	MNCs and Innovation in emerging markets The Social Networks of Inventors in Chinese and Indian Multinationals' Cross-border Acquisitions Elisa Giuliani, Arianna Martinelli, Roberta Rabellotti
	How has the dual embeddedness of the multinational enterprise subsidiaries influenced the development and evolution of the Indian software innovation system? Nidhi Chaudhary
	From leapfrogging of firms to leapfrogging of industries: the effect of outward FDI by emerging market multinationals on home country industrial development Teis Hansen , Ulrich E. Hansen
J	Electric mobility Full speed ahead: Challenges and implications of the UK strategy for autonomous vehicle deployment Jean-Paul Skeete
	A Policy Review: Assessing the Development of Electric Vehicles in China Michael Nauruschat, <u>Tong-Yaa Su</u>
	The drivers of green driving: Analyzing the intention to buy electric vehicles in European countries Grazia Cecere, Nicoletta Corrocher, Marco Guerzoni
К	Evaluating innovation impact The Returns to Scientific Specialization Orion Penner, Gaétan de Rassenfosse

Mapping private R&D outputs: The contribution of top R&D companies to scientific literature Roberto Camerani, Daniele Rotolo, <u>Nicola Grassano</u>

Assessing the quality and impact of scientific research: A comparative analysis of the Global South versus the Global North

Manuel Godinho, Hugo Confraria, Lili Wang

Α	Dialogue session: Political Economy of Finance in Technology and Innovation
	Organiser: Lucy Baker Panelists: Tim Foxon, Mariana Mazzucato, Gregor Semieniuk, Stephen Spratt
В	Research session: Innovation and industrial performance: firm level analysis Organiser: Federico Tamagni Discussant: Angelo Secchi
	Innovation and the distribution of employment growth: evidence from Spanish micro-data Flavio Calvino
	What do firms know? What do they produce? A new look at the relationship between patenting profiles and patterns of product diversification Giovanni Dosi, Marco Grazzi, <u>Daniele Moschella</u>
	Persistence of innovation and patterns of firm growth <u>Dario Guarascioa</u> , Federico Tamagni
С	Research session: Learning from failure: Decline, displacement and defeat of process technologies Organiser: Anne-Marie Coles Chair and commentator: S R Peters
	Development, stagnation and decline of process technologies: An observation of the history of two CHP application niches <u>Anton Sentic</u>
	Range anxiety and electric vehicles: 'battery swapping' as an example of technological and business model experimentation lan Clarke
	Dynamics of technology decline: the case of pressed glass manufacturing in England <u>Athena Piterou, Anne-Marie Coles</u>
D	Research session: Framing Innovation and Policy: Reconciling Open and Responsible Innovation Organiser: John Pearson Chair: Veikko Ikonen Commentator: Morten Velsing Nielsen
	Inclusive Innovation: Recommendations from industry and end-users for RRI Antonia Bierwirth
	The Ethics of Open Innovation and Responsible Innovation: Complementarity or Collision Course? Robert Gianni
	Responsible Innovation, Open Innovation and Cultural Change John Pearson
E	Consumer interactions The Echoes of Bandwagon Through a Complex System of Innovation and Development João Basilio Pereima
	The Sharing Economy: A Case of "Reverse" Technology Assessment Koen Frenken
	Adoption and diffusion of shared goods in consumers' coalitions. An agent-based simulation <u>Francesco Pasimeni</u> , Tommaso Ciarli
F	Technology Upgrading Catching up with the International Oil Firms: A Penrosean view of Upgrading and Innovation Barriers in China's Refining Industry

	<u>Damian Tobin</u>
	Mid-tech trap: The case of Automotive Industry in Turkey <u>Semih Akçomak</u> , Serkan Bürken
	Technology upgrading of middle-income economies: a new framework and evidence Slavo Radosevic, Esin Yoruk
G	Public foresight and Entrepreneurship
	Entrepreneurial Ecosystems: The Role of Government Alliances as Drivers of Innovation Claudia Doblinger, Kavita Suranaa, Laura Diaz Anadona
	Institutional intermediation and public procurement. A study of demand-innovation in the development of satellite telecommunications in Italy <u>Matteo Landoni</u>
	Forward looking innovation policy: insights from foresight experts <u>Sofi Kurki</u>
Н	Institutional collaborations and innovation
	Why do firms, universities and governmental bodies collaborate in multidisciplinary research programs? A mixed methods approach to evaluation. Kevin P.F Broecks, Frank J. van Rijnsoever
	Global Knowledge Spillovers Through Institutional Collaborations
	Greg Morrison, Massimo Riccaboni, Fabio Pammolli
	Time matters: exploring how public research organizations – industry interaction affect firms' innovation dynamics José Miguel Natera, Gabriela Dutrénit
I	International organisation of research Intergenerational transfer of scientific knowledge and sustainable development of science Sotaro Shibayama
	Architecting complex international partnerships (CISTIPs) for capacity-building in science, technology, and innovation: A study of four global MIT collaborations <u>Sebastian Pfotenhauer</u> , Danielle Wood
	Inclusive Innovation at the UK's Department for International Development (DFID) Anke Schwittay, Paul Braund,
J	Mining/extractive industries session Discovering New Public-Private Partnerships for productive and technological development in emerging mining
	countries Osvaldo Urzua, <u>Michiko Iizuka</u> , Fernando Vargas-Cuevas, Jakob Baumann, Alejandra Wood
	How to improve collaboration between industry, government, universities and the community to face industry challenges: the case of the Chilean Mining Programme 'Alta Ley' <u>Veronica Roa</u> , Julio González, Jorge Torres
	Innovation chain theory and the commercialisation of shale gas extraction technology in the US: historical and econometric evidence
	Isabel Bodas-Freitas, David Grover, <u>Kaboo PY Leung</u>
K	Critical Evaluation Policy considerations for evidence-based measures of complex innovation systems Sylvan Katz
	Who defines professional standards and which indicators are used in bibliometric research evaluation? <u>Arlette Jappe</u>

Old Boys Network: Gender Gap in Science in Japan
Aldo Geuna