SCIENCE POLICY RESEARCH UNIT

SPRU Working Paper Series

SWPS 2019-00 (January)

Thank You!





SPRU Working Paper Series (ISSN 2057-6668)

The SPRU Working Paper Series aims to accelerate the public availability of the research undertaken by SPRU-associated people, and other research that is of considerable interest within SPRU, providing access to early copies of SPRU research.

Editors		Contact
Tommaso Ciarli		T.Ciarli@sussex.ac.uk
Daniele Rotolo		D.Rotolo@sussex.ac.uk
Associate Editors	Area	
Karoline Rogge Tim Foxon	Energy Policy	K.Rogge@sussex.ac.uk T.J.Foxon@sussex.ac.uk
Ben Martin Ohid Yaqub	Science and Technology Policy	B.Martin@sussex.ac.uk O.Yaqub@sussex.ac.uk
Andrew Stirling Rob Byrne	Sustainable Development	A.C.Stirling@sussex.ac.uk R.P.Byrne@sussex.ac.uk
Carlos Sato Josh Siepel	Innovation and Project Management	C.E.Y.Sato@sussex.ac.uk J.Siepel@sussex.ac.uk
Maria Savona Alberto Marzucchi	Economics of Innovation	M.Savona@sussex.ac.uk A.Marzucchi@sussex.ac.uk
Editororial Assistance		
Martha Bloom		M.Bloom@sussex.ac.uk

Guidelines for authors

Papers should be submitted to swps@sussex.ac.uk as a PDF or Word file. The first page should include: title, abstract, keywords, and authors' names and affiliations. The paper will be considered for publication by an Associate Editor, who may ask two referees to provide a light review. We aim to send referee reports within three weeks from submission. Authors may be requested to submit a revised version of the paper with a reply to the referees' comments to swps@sussex.ac.uk. The Editors make the final decision on the inclusion of the paper in the series. When submitting, the authors should indicate if the paper has already undergone peer-review (in other series, journals, or books), in which case the Editors may decide to skip the review process. Once the paper is included in the SWPS, the authors maintain the copyright.

Websites

UoS: www.sussex.ac.uk/spru/research/swps SSRN: www.ssrn.com/link/SPRU-RES.html IDEAS:ideas.repec.org/s/sru/ssewps.html

Research Gate: www.researchgate.net/journal/2057-6668_SPRU_Working_Paper_Series

Authors

We would like to thank all of the authors that have contributed with their papers in 2018:

Alberto Marzucchi Laur Kanger

Aldo Geuna Maciej J. Grodzicki

Alessandro Fiorini Marco Valente

Alessandro Palma Maria Savona

Aliki Georgakaki Nadia Fiorino

Amrita Saha Nick Jagger

Andy Stirling Nicola Grassano

Antonietta Mira Nicolò Barbieri

Benedetto Lepori Noam Bergman

Bipashyee Ghosh Paola D'Orazio

Daniele Rotolo Paula Kivimaa

David Eggleton Paula Nagler

Donal Brown Phil Johnstone

Edgar Salgado Roberto Camerani

Elena Paglialunga Seife Ayele

Emma Galli Silver Sillak

Francesco Crespi Solomon Asfaw

Francesco Pasimeni Steven Sorrell

Giorgia Sforna Tim Foxon

Giuseppe Maggio Tommaso Ciarli

Ilde Rizzo Ugo Rizzo

Ismael Ràfols Valeria Costantini

Jodie Thorpe Wim Naudé

Johan Schot

Reviewers

We would like to thank all reviewers of the SWPS this year for their thoughtful and constructive comments:

Alberto Marzucchi Kejia Yang

Anabel Marin Laur Kanger

Andrea Conte Loet Leydesdorff

Ariel Wirkierman Maciej Grodzicki

Ben Martin Marco Carreras

Bernardo Caldarola Melina Galdos Frisancho

Bruna Fonseca Michele Stua

Chiara Fratini Nicolò Barbieri

Cian O'Donovan Paola D'Orazio

Claire Copeland Patrick van Zwanenberg

Claudia Obando Rodriguez Paula Kivimaa

Constantin Blome Richard Dickens

David Pontin Richard Disney

Davide Consoli Sara Amaroso

Diego Chavarro Saurabh Arora

Ed Steinmueller Simone Vannuccini

Fabrizio Patriarca Tomas Seige

Francesco Pasimeni Youngha Chang

Francesco Rentocchini

Gordon MacKerron

Josh Siepel

Josie Coburn

Staff

We also extend our thanks to all the administrative staff who make the SWPS possible.

Papers in the SPRUWorking Paper Series 2018:

- · Diffusion of Shared Goods in Consumer Coalitions. An Agent-Based Model. Francesco Pasimeni and Tommaso Ciarli.
- How Deep Is Incumbency? Introducing a 'Configuring Fields' Approach to the Distribution and Orientation of Power in Socio-Material Change. Andy Stirling.
- Scientific Output of US and European Universities Scales Super-Linearly with Resources. Benedetto Lepori, Aldo Geuna and Antonietta Mira.
- · Do Firms Publish? A Multi-Sectoral Analysis. Roberto Camerani, Daniele Rotolo and Nicola Grassano.
- · A Co-Evolutionary, Long-Term, Macro-Economic Forecast for the UK Using Demographic Projections. Nick Jagger.
- How Can Intermediaries Promote Business Model Innovation: The Case of 'Energiesprong' Whole-House Retrofits in the United Kingdom. Donal Brown, Paula Kivimaa and Steven Sorrell.
- Climate Resilience Pathways of Rural Households. Evidence from Ethiopia. Solomon Asfaw, Giuseppe Maggio and Alessandro Palma.
- Public Procurement and Reputation: An Agent-Based Model. Nadia Fiorino, Emma Galli, Ilde Rizzo and Marco Valente.
- Mapping Socio-Technical Change in Mobility Regimes: The Case of Kolkata. Bipashyee Ghosh and Johan Schot.
- The Limitations of the Conceptual Framework of the Heterogeneous Engineer for Leadership in Megascience Projects. David Eggleton.
- Prices of Value Added and Competitiveness in Global Value Chains. Maciej J. Grodzicki.
- Interdependencies Between Civil and Military Nuclear Infrastructures. Andy Stirling and Phil Johnstone.
- The Relation between Research Priorities and Societal Demands: The Case of Rice. Tommaso Ciarli and Ismael Ràfols.
- Knowledge Sources and Impacts on Subsequent Inventions: Do Green Technologies Differ from Non-Green Ones? Nicolò Barbieri, Alberto Marzucchi and Ugo Rizzo.
- Do Financial Constraints Hamper Environmental Innovation Diffusion? An Agent-Based Approach. Paola D'Orazio and Marco Valente.
- Energy Security, Employment and the Policy-Industry Interlock: Explaining the Role of Multi-Scalar Socio-Spatial Embeddedness in Industry Destabilization. Silver Sillak and Laur Kanger.
- The Effect of R&D Growth on Employment and Self-Employment in Local Labour Markets. Tommaso Ciarli, Alberto Marzucchi, Edgar Salgado and Maria Savona.
- Industrial Policy for a European Industrial Renaissance. A Few Reflections. Maria Savona.
- Patent-Based Estimation Procedure of Private R&D: The Case of Climate Change and Mitigation Technologies in Europe.
 Francesco Pasimeni, Alessandro Fiorini and Aliki Georgakaki.
- Reorienting Finance Towards Energy Efficiency: The Case of UK Housing. Noam Bergman and Tim Foxon.
- Innovation for Inclusive Structural Change. A Framework and Research Agenda. Tommaso Ciarli, Maria Savona, Jodie Thorpe and Seife Ayele.
- System Transition and Structural Change Processes in the Energy Efficiency of Residential Sector: Evidence from EU countries. Valeria Costantini, Francesco Crespi, Elena Paglialunga and Giorgia Sforna.
- Technological Innovation, Entrepreneurship and Productivity in Germany, 1871-2015. Wim Naudé and Paula Nagler.
- Innovation, Structural Change, and Inclusion. A Cross Country PVAR Analysis. Amrita Saha and Tommaso Ciarli.

Science Policy Research Unit University of Sussex, Falmer Brighton BN1 9SL United Kingdom

SPRU website: www.sussex.ac.uk/business-school/spru

SWPS website: www.sussex.ac.uk/business-school/spru/research/swps

Twitter: @spru

