UNU-MERIT Workshop: Data Science and STI Indicators
8 & 9 May 2019 (UNU-MERIT, Room 1.23)

The purpose of the workshop is to 1) bring together expertise in innovation studies to discuss new data sources and methods; 2) explore the construction of science, technology and innovation indicators; 3) link scientometric research with innovation studies; and 4) provide an opportunity for sharing research expertise and networking.

Wednesday 8 May
13:00-13:30 Arrival & coffee
13:30 Welcome & introduction

13:40-15:20 Session 1: S&T indicator frameworks, Chair: Pierre Mohnen (UNU-MERIT)

- Fred Gault (UNU-MERIT & TUT, South Africa)
  Innovation indicators for zero price products
- Ismael Rafols (Ingenio, CSIC-UPV&SPRU&CWTS)
  Indicator frameworks, between universal indicators and full customization: A proposal for assessing researchers' engagement with Open Science
- Andrés Barreneche (OECD)
  Collecting and analysing semi-structured STI policy data: The case of the STIP Compass database
- Hugo Hollanders (UNU-MERIT)
  New indicators to differentiate between innovating firms: the use of innovation profiles

15:20-15:50   coffee break

15:50-17:30 Session 2: Regional innovation systems and knowledge flows, Chair: Nordine Es-Sadki (UNU-MERIT)

- Fredrik Piro (NIFU, Norway)
  The R&D composition of European countries: concentrated versus dispersed profiles
- Robert Tijssen (CWTS, Leiden University, NL)
  Regional innovation impact of European universities: measurement and analysis
- Hugo Confraria (SPRU, UK)
  Characterizing knowledge systems in Kenya, Rwanda and Tanzania
- Lili Wang (UNU-MERIT)
  Tracing knowledge flows: A multidimensional perspective

Thursday 9 May

8:55-10:35 Session 3: Data mining and technology prediction, Chair: Peter van den Besselaar (Free University Amsterdam)

- George Richardson (Nesta, UK)

Measuring Innovation in Research with Combinatorial Topic Analysis

- Peter Persoon (Eindhoven University of Technology, NL)
  Technology Life Cycles as Emergent Phenomena
- Daniel Hain (Aalborg University, Denmark)
  Nowcasting & Placecasting of Patent Quality around the Globe
- Fabiana Visentin (UNU-MERIT)
  Novelty within inventors' and scientists' community: Exploring ways to track new ideas generation and diffusion

10:35-10:50   coffee break

10:50-12:30 Session 4: Research relevance and data matching, Chair: Lili Wang (UNU-MERIT)

- Tommaso Ciarli (SPRU, UK)
  The relation between research priorities and societal demands
- Gunnar Sivertsen (NIFU, Norway)
  Do national funding organizations address the diseases with the highest burden adequately? Observations from the UK and China
- Gaston Heimeriks (CWTS, Leiden University, NL)
  Path and place dependence in regional science. Indicators for smart specialisation
- Paresa Markianidou (Technopolis, BE)
  Webscraping based servitisation and other forms of product-service provision for EU SMEs

12:30 Wrap-up