

# Call for papers

## Second Spatial Health Economics Workshop

### University of York, Tuesday 18<sup>th</sup> July 2017

Location: York, UK

Venue: Department of Economics and Related Studies, University of York

Date: Tuesday 18<sup>th</sup> July 2017

Organisers: Francesco Moscone (Brunel) and Luigi Siciliani (York)

After the past successful edition held in Cambridge (Girton College, 2015), the Second Edition of the Spatial Health Economics Workshop will be held at the University of York.

We invite submissions in any area of empirical health economics that exploit data with a *spatial* dimension (e.g., hospitals, family doctors, nursing and care homes, regions, municipalities, small geographical areas, insurers, etc.).

The workshop provides a forum for dissemination of developments and applications of econometrics addressing issues in health economics. A selection of the papers with a spatial focus will be considered for publication in a Special Section in *Regional Science and Urban Economics*. Examples of topics that exploit variation in data dispersed over space include (but are not limited to) pay for performance, choice models, competition, public and private insurance, providers' incentive effects, policy reforms and evaluations etc.

**Scientific Committee:** Francesco Moscone (Brunel), Daniel McMillen (Illinois), Luigi Siciliani (York), Hugh Gravelle (York), Nils Gutacker (York), Giuseppe Moscelli (York), Catia Nicodemo (Oxford), Rita Santos (York), Sandy Tubeuf (Leeds).

Local Organiser: Luigi Siciliani (York)

The workshop will last one day and will be held at University of York (up to 8 papers presented).

Keynote speaker: Daniel McMillen (Illinois), Editor of *Regional Science and Urban Economics*.

There are no fees.

#### **Submission of papers:**

Papers for the Workshop will be selected on the basis of full drafts.

Papers should be sent in electronic form to [luigi.siciliani@york.ac.uk](mailto:luigi.siciliani@york.ac.uk) **no later than 15 March 2017**.

Decisions will be made by 7<sup>th</sup> April 2017.

The meeting will be structured as a set of 7 oral presentations. A discussant will be assigned to each paper, and time will be allotted for open discussion.

## PhD course: Spatial Health Econometrics

University of York, Monday 17<sup>th</sup> July 2017

This PhD course has no fees. It covers accommodation (for two nights in campus accommodation) and contribution to travel (£80 each) for up to 10 PhD students and early career researchers (ie within 5 years from PhD completion). Those attending the PhD course are also expected to attend the Spatial Health Economics Workshop the following day (as outlined in page one). We gratefully acknowledge the funding from the Royal Economic Society.



**Deadline: Tuesday 25 April 2017.**

To apply, please email [luigi.siciliani@york.ac.uk](mailto:luigi.siciliani@york.ac.uk) your CV and a 300 words summary of your research interests and plans. If there are more than 10 applicants, priority to funding will be given to students whose research matches more closely with the focus of the workshop. Other students will be invited at no fees but will have to cover travel and accommodation expenses (subject to capacity).

The aim of the course is to introduce student to spatial econometrics methods and show how they have been applied in health economics. The course will last the whole day (10am to 5pm) and be split in three parts.

### Part I. Introduction to Spatial Econometrics Methods (Professor Francesco Moscone)

In health economics there are many phenomena that are characterised by a strong spatial dimension; from health care providers connected through networks of services and patients, to the regional concentration of health risk factors and needs. Spatial Health Econometrics is interested in testing health economic theories (both formal and informal) that predict interaction of networked economic agents at the micro (e.g. hospitals, GPs, etc.) or macro

level (e.g. local authorities, countries, etc.), and/or the geographical concentration of their unobserved characteristics. The objective of this module is to introduce health economists to the motivations underlying the adoptions of spatial econometric models in health economics and illustrate how to incorporate these spatial effects using standard econometric models, such as the spatial lag, spatial error and spatial Durbin models.

### Syllabus

Baltagi H. B., Moscone F., Santos R. (2017) *Spatial Health Econometrics, Contributions to Economic Analysis*, B. H. Baltagi (ed.) and Moscone F. (ed.), Emerald Publishing, Forthcoming.

Moscone, F., Tosetti, E. (2014), *Spatial Econometrics: Theory and Applications in Health Economics*. In T. Culyer (ed.), *Encyclopedia of Health Economics*. Elsevier.

### Part II. Applications in Health Econometrics (Professor Luigi Siciliani and York colleagues)

This module will show how the spatial econometrics methods described in part I can be applied within the health economics literature on topics such as hospital competition, mental health expenditure, long-term care, and peer effects.

### Part III. Advances in Spatial Econometrics (Professor Yongcheol Shin/Dr Mike Thornton)

This module will present latest advancements in spatial econometrics methods.