

# 18<sup>th</sup> International Workshop on Spatial Econometrics and Statistics

May 23-24, 2019, Paris (France)



## Program

Conference venue:

AgroParisTech, 16 rue Claude Bernard, F-75231 Paris Cedex 05, France

**Organizing committee:** Raja Chakir and Florence Puech

**Administrative committee:** Poly Demonti, Regis Grateau and Pauline Laydet

**Website:** <https://workshop.inra.fr/sew2019>

**Contact:** [sew2019@inra.fr](mailto:sew2019@inra.fr)

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## Program - Thursday, May 23<sup>rd</sup>

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08h30 – 09h00 Registration and Coffee

09h00 – 09h15

**Welcome – Stéphane De Cara**  
*INRA, Economie Publique*

AMPHI  
COLÉOU

09h15– 10h15

**Keynote lecture – Kathy Baylis**  
*University of Illinois at Urbana-Champaign*

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**Machine Learning for Applied Spatial Economics**

Chair and Discussant: *Simone Pieralli*

10h15 – 10h45

Coffee break

10h45 – 12h15

**PARALLEL SESSION 1 – ADVANCES IN METHODOLOGY**

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**Chair: Paul Elhorst**

- **Zhenlin Yang**, Heteroskedasticity Robust Estimation and Testing for Higher Order Spatial Autoregressive Models (with Shew Fan Liu).  
*Discussant: Nicolas Debarsy*
- **Francesca Rossi**, Continuously Updated Indirect Inference in Heteroskedastic Spatial Models (with Maria Kyriacou and Peter C.B. Phillips)  
*Discussant: François Bavaud*
- **François Bavaud**, Admissible covariances and generalized tests of spatial autocorrelation for aggregated data.  
*Discussant: Francesca Rossi*

10h45 – 12h45

**PARALLEL SESSION 2 – ENVIRONMENT, AGRICULTURE 1**

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**Chair: Raja Chakir**

- **Anna Lungarska**, Input taxation at different spatial scales: reducing nitrogen fertilizer use in Europe when climate and land use change (with Raja Chakir and Pierre-Alain Jayet)  
*Discussant: Civel Edouard*
- **Victor Stéphane**, The Value of Public Works: Evidence from Ethiopia (with Jules Gazeaud)  
*Discussant: Emmanuel Paroissien*
- **Emmanuel Paroissien**, Early exit from business, performance and neighbors' influence: a study of farmers in France (with Laure Latruffe and Laurent Piet)  
*Discussant: Victor Stéphane*
- **Civel Edouard**, About the nature of green value: capitalization versus technical-economic optimization.  
*Discussant: Anna Lungarska*

12h45 – 14h15

Lunch

14h15 – 15h15

**Keynote lecture – Roger Bivand**  
*Norwegian School of Economics*

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**Progress in the R ecosystem for open source spatial analysis software**

Chair and Discussant: *Ghislain Géniaux*

15H15 – 15H45

Coffee break

15H45 – 17H45

PLENARY SESSION – CEM ERTUR PRIZE

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Chair: Christine Thomas-Agnan

- **Abdel Fawaz Osseni**, Hedonic valuation of harmful algal bloom pollution: why econometrics matters? (with François Bareille and Pierre Dupraz)  
*Discussant: Alain Pirotte*
- **Sebastian Kripfganz**, Regional Convergence at the County Level: The Role of Commuters (with Melanie Krause)  
*Discussant: Alexandra Schaffar*
- **Jaune Vaitkeviciute**, Short-term and long-term impacts of climate change on European agriculture.  
*Discussant: Julie Le Gallo*

19:30

Gala dinner - Announcement of the winner of the Cem Ertur's prize

PAVILLON  
MONTSOURIS

*Restaurant "Pavillon Montsouris", 20 rue Gazan, 75014 Paris*  
*Access: RER B Cité Universitaire, bus 21, bus 67, bus 62, métro : Glacière.*

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## Program - Friday, May 24<sup>th</sup>

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09H00 – 09H30 Welcome and coffee

09H30 – 10H30

**Keynote lecture – Stuart Sweeney**  
*University of California*

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**Localization and industry clustering econometrics:  
An assessment of Gibbs models for spatial point processes**

Chair and Discussant: *Gabriel Lang*

10H30 – 11H00 Coffee break

11H00 – 12H30

**PARALLEL SESSION 3 – SPATIAL ECONOMETRICS**

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Chair: **Alain Pirotte**

- **Paul Elhorst**, Spatial panel models and common factors  
*Discussant: Oguzhan Akgun*
- **Oguzhan Akgun**, Equal Predictive Ability Tests for Panel Data with an Application to OECD and IMF Forecasts (with Alain Pirotte, Giovanni Urga and Zhenlin Yang)  
*Discussant: Paul Elhorst*
- **Davide Fiaschi**, The Drivers of Inequality Among European regions (with Lisa Gianmoena and Angela Parenti)  
*Discussant: Sebastian Kripfganz*

11H00 – 12H30

**PARALLEL SESSION 4 – ADVANCES IN METHODOLOGY 2**

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Chair: **Florence Puech**

- **Paula Margaretic**, Modelling spatial flows with R (with Thibault Laurent and Christine Thomas-Agnan)  
*Discussant: Eric Marcon*
- **Eric Marcon**, Urban biodiversity: a study on Parisian trees (with Florence Puech)  
*Discussant: Paula Margaretic*
- **Emmanuel Auvray**, Delineating a relevant geographical area to assess the economic impact of an event (with Salima Bouayad Agha)  
*Discussant: Abhimanyu Gupta*

12H30 – 14H00 Lunch

14h00 – 15h00

**Keynote lecture – Denis Allard**  
*INRA, Avignon*

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**Space-time geostatistics with applications  
in environment and spatial econometric**

Chair and Discussant: *Sophie Dabo*

15H00 – 15H30 Coffee break

15h30 – 17h00

**PARALLEL SESSION 5 – APPLIED SPATIAL ECONOMETRICS 1**

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**Chair: Julie Le Gallo**

- **Coro Chasco**, Quantification of the Airbnb effects in the city of Madrid with a quantile unconditionally parametric model (with Sofia Ruiz and Ludo Peeters).  
*Discussant: Yuheng Ling*
- **Yuheng Ling**, Spatial multilevel modeling with estimating high-level variation: An application to the Corsican housing market.  
*Discussant: Coro Chasco*
- **Julie le Gallo**, Beyond GDP: an analysis of the socio-economic diversity of European regions (with Ayouba Kassoum and Andres Vallone)  
*Discussant: Davide Fiaschi*

**PARALLEL SESSION 6 – APPLIED SPATIAL ECONOMETRICS 2**

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COLÉOU

**Chair: Abhimanyu Gupta**

- **Demidova Olga**, Marshallian vs Jacobs effects: which one is stronger? Spatial nonparametric approach for Russia unemployment dynamics (with Kolyagina Alena and Pastore Francesco)  
*Discussant: Florent Sari*
- **Florent Sari**, Youth educational achievement in France: Does neighborhood matter?  
*Discussant: Demidova Olga*
- **Abhimanyu Gupta**, Credit Market Spillovers: Evidence from a Syndicated Loan Market Network (with Sotirios Kokas and Alexander Michaelides)  
*Discussant: Zhenlin Yang*

17h00– 17h30

**Concluding remarks on the SEW2019 and Farewell drink**

### Presenters, discussants and chairs:

<b>Abdel Fawaz Osseni</b>	<i>INRA, SMART LERECO, France.</i>
<b>Abhimanyu Gupta</b>	<i>University of Essex, United Kingdom.</i>
<b>Alain Pirotte</b>	<i>Université Paris II – CRED, France.</i>
<b>Alexandra Schaffar</b>	<i>LEAD, Toulon University, CNRS, France.</i>
<b>Anna Lungarska</b>	<i>UMR Economie Publique, INRA, AgroParisTech, Université Paris-Saclay, France.</i>
<b>Christine Thomas-Agnan</b>	<i>Toulouse School of Economics, France.</i>
<b>Civel Edouard</b>	<i>Climate Economics Chair, France.</i>
<b>Coro Chasco</b>	<i>Universidad Autónoma de Madrid, Spain.</i>
<b>Davide Fiaschi</b>	<i>University of Pisa, Italy.</i>
<b>Demidova Olga</b>	<i>National Research University Higher School of Economics, Russia.</i>
<b>Denis Allard</b>	<i>INRA, Avignon, France.</i>
<b>Emmanuel Auvray</b>	<i>GAINS (TEPP), Le Mans Université, France.</i>
<b>Emmanuel Paroissien</b>	<i>INRA, SMART-LERECO, France.</i>
<b>Eric Marcon</b>	<i>AgroParisTech, UMR EcoFoG, Guyane française.</i>
<b>Florence Puech</b>	<i>RITM, Université de Paris-Sud, Université Paris-Saclay &amp; CREST, France.</i>
<b>Florent Sari</b>	<i>University of Nantes (Lemna), CEET and Tepp-CNRS, France.</i>
<b>Francesca Rossi</b>	<i>University of Verona, Italy.</i>
<b>François Bavaud</b>	<i>University of Lausanne, Switzerland.</i>
<b>Gabriel Lang</b>	<i>UMR MIA-Paris, AgroParisTech, INRA, Université Paris-Saclay, France.</i>
<b>Ghislain Géniaux</b>	<i>INRA, Avignon, France.</i>
<b>Jaune Vaitkeviciute</b>	<i>Université de Lorraine, France.</i>
<b>Julie Le Gallo</b>	<i>CESAER UMR 1041, AgroSup Dijon, INRA, Université de Bourgogne Franche-Comté, France.</i>

<b>Kathy Baylis</b>	<i>University of Illinois at Urbana-Champaign, USA.</i>
<b>Nicolas Debarsy</b>	<i>LEM CNRS 9221, France.</i>
<b>Oguzhan Akgun</b>	<i>CRED, University Paris II Panthéon-Assas, France.</i>
<b>Paul Elhorst</b>	<i>University of Groningen, The Netherlands.</i>
<b>Paula Margaretic</b>	<i>University of San Andrés, Argentina.</i>
<b>Raja Chakir</b>	<i>UMR Economie Publique, INRA, AgroParisTech, Université Paris-Saclay, France.</i>
<b>Roger Bivand</b>	<i>Norwegian School of Economics, Norway.</i>
<b>Sebastian Kripfganz</b>	<i>University of Exeter Business School, United Kingdom.</i>
<b>Simone Pieralli</b>	<i>UMR Economie Publique, INRA, AgroParisTech, Université Paris-Saclay, France.</i>
<b>Sophie Dabo</b>	<i>CNRS-LEM, Lille, France.</i>
<b>Stéphane De Cara</b>	<i>UMR Economie Publique, INRA, AgroParisTech, Université Paris-Saclay, France.</i>
<b>Stuart Sweeney</b>	<i>University of California, USA.</i>
<b>Victor Stéphane</b>	<i>Université Clermont Auvergne, CNRS, IRD, CERDI, France.</i>
<b>Yuheng Ling</b>	<i>Université de Corse, France.</i>
<b>Zhenlin Yang</b>	<i>School of Economics, Singapore Management University, Singapore.</i>

**We thank the generous support of our sponsors:**



**We also thank the scientific committee of the SEW2019:**

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