

# 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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COLÉOU

**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 – 12h15

**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*

12h15 – 14h15 Lunch (salle centenaire)

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 : stop at Cité Universitaire,*

*bus 21: stop at Parc Montsouris*

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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**

- **Civel Edouard**, About the nature of green value: capitalization versus technical-economic optimization.  
*Discussant: Anna Lungarska*
- **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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**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:**

Jean-Sauveur AY, Catherine BAUMONT, Raja CHAKIR, Nicolas DEBARSY, Sophie DABO, Jean Paul ELHORST, Bernard FINGLETON, Ghislain GENIAUX, Rachel GUILLAIN, Julie LE GALLO, Jan MUTL, Olivier PARENT, Alain PIROTTE, Florence PUECH, Christine THOMAS-AGNAN, Alexandra SCHAFFAR.