

4th annual Symposium of the Eco-design Chair
ECO-DESIGN PERFORMANCE TOOLS

23 & 24 September 2015
In Paris, The Gaîté Lyrique

*On the 7th anniversary of the Eco-design Chair,
ParisTech and VINCI are organizing a day of conferences and debates.*

*This fourth University is an occasion for presenting new tools developed by ParisTech
and the practice of eco-design in projects.*

The plenary session of 24 September is preceded by an optional day to practice the tools.

PROGRAMME OF THE OPTIONAL DAY

8h30 Participant welcoming

9h00 **Eco-design Masterclass**

Lifecycle Simulation using a micro-urban scale

Bruno peuportier, MINES ParisTech

Transport and land-use modeling

Fabien Leurent, Ecole des ponts ParisTech

Climate change and monitoring the evolution of biodiversity in cities

Nathalie Frascaria-Lacoste, AgroParisTech

Break

11h **Examples of applications tools**

novaEQUER

Nathalie Mehu and Gilles Thing Leo, VINCI construction France

Biodi(v)strict

Sandra Clermont and Florence Marin-Poillot, VINCI Construction France

Transports Network

Alexis Poulhès, LVMET, Ecole des ponts ParisTech

12h30 Lunchtime buffet

14h **Workshops**

Participants will be divided into group to attend workshops

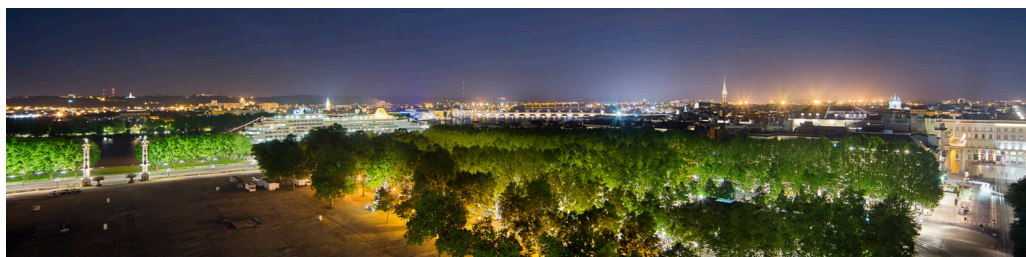
NovaEQUER : user feedback

Biodi(v)strict : Assessment tools, AgroParisTech and VINCI Construction France

A MOOC will be made from this workshop

Transports Network : application to DESCARTES city

17h00 End of workshops



- 8h00 Participant welcoming and corner startups of incubator construction and energy
- 9h00 Introduction by Xavier HUILLARD, Chairman and Chief Executive Officer, VINCI

9h30 **Work performed under the Chair**

Life Cycle Analysis Integrated transport service: the case of Caraïbus line in the Martinique

Anne de Bortoli, Ecole des Ponts ParisTech

The question of reliability in the use of a multi-stakeholder model, the example of NewDistrict (CNRS)

Nicolas Bécu, AgroParisTech

Break

The analysis of reliability and uncertainty in energy simulation and building LCA

Bruno Peuportier and Marie-Lise Pannier, MINES ParisTech

External intervention

The ANR Reliability Project

Laurent Mora, Université de Bordeaux

- 12h30 Cocktail lunch and corner startups of incubator construction and energy

Approaches internationally used

- 14h **Dynamic uncertainty analysis of the building energy performance in city districts**
Sebastin Stinner, E.ON Energy researchCenter / Aachen University

Network theory and urban design: the example of pollination networks

Rodney Dyer, Department of Biology of Virginia Commonwealth University, Center for Environmental Studies

Energy consumption of a transportation system: sensitivity analysis grounded on multiscale simulation

Rosaldo Rossetti, University of Porto

- 16h00 Conclusion by Christian CAYE, sustainable development Delegate



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