



Nicolas Salliou

Date of birth: 25/12/1983 | **Nationality:** French | **Gender:** Male |

(+41) 775321931 | nsalliou@ethz.ch |

<https://lesrecherchesdenicolas.wordpress.com> |

Im Tiergarten 47, 8055, Zürich, Switzerland

About me:

Trained as an agro-economist at AgroParisTech. PhD from INP Toulouse.

I do transdisciplinary research about ethical and/or sustainable change in socio-ecological systems.

WORK EXPERIENCE

01/01/2021 – CURRENT – Zürich, Switzerland

COORDINATOR - FUTURE CITIES LAB GLOBAL TANA – ETH ZÜRICH

Coordinator of the Future Cities Lab Global module : Resilient Blue-Green Infrastructures

- *Coordinating a interdisciplinary team (9 PI and co-PIs, 2 post-docs and 6 PhD students) over three hubs (Switzerland, Singapore, Madagascar)*
- *In charge of the participatory integration of the project (Partnership, workshops, facilitation)*
- *Learning assessment protocol (Individual cognitive mapping, individual visioning)*
- *Communication ([website](#), [facebook](#), etc)*
- *Supervision of PhD, Master and bachelor students*

Participatory modelling course at ETH:

- Bayesian and agent-based modelling technique
- Partnership with the City of Zürich and City of Winterthur - Participatory science

Companion modelling summer school 2021 :

- Teaching the Companion modelling approach
- Supervising students

Lecture at ENSAT to zootechnician student-engineers about "Post-livestock future"

16/04/2018 – 01/01/2021 – Zürich, Switzerland

POSTDOC – ETH ZÜRICH

Mountain Path project : Pathways for global change adaptation of mountain socio-ecological systems

- Designing a Serious game about adaptation pathways "Game of Cruxes"

Participatory modelling course at ETH:

- Bayesian and agent-based modelling technique
- Partnership with the City of Zürich - Participatory science

Companion modelling summer school 2018 :

- Teaching the Companion modelling approach
- Supervising students

<http://www.plus.ethz.ch> | Zürich, Switzerland

15/09/2017 – 15/09/2019

RESEARCH CONSULTANCY – INRA IATE/INRIA GRAPHIK

VITAMIN project (Vegetarian Transition Argument ModellIng)

- Argumentation network modelling
- Individual interviews on food transition

Montpellier, France

2013 – 23/05/2017

PHD STUDENT – INRA

Participatory modelling for landscape pest control innovation

- *Participatory agent-based modelling using NetLogo*
- *Participatory Belief Bayesian Network modelling*
- *Companion Modelling (ComMod) approach*
- *Mental models from individual interviews*
- *Multi-stakeholder workshops facilitation*

Keywords : Uncertainty, Landscape ecology, Biological pest control, Ambiguity, Participatory modelling

Toulouse, France

2010 – 2013

CONSULTANT ON RURAL DEVELOPMENT – PERSONAL SERVICE COMPANY

- *Evaluation of EU funded project on cashew nuts and sesame in Burkina Faso*
- *Worldwide cost of production analysis of Fairtrade certified coffee supply chain for Fairtrade International*
- *Reviewing Fairtrade prices and environmental standards for organic Quinoa in Bolivia, Peru and Ecuador for Max Havelaar France*
- *Project manager to create a participatory Food Coop in Rennes, France*

Rennes, France

2008 – 2010

PROJECT MANAGER – FAIRTRADE INTERNATIONAL

- *Fairtrade minimum price and premium reviews involving multi-stakeholder consultation processes in Cocoa, Oranges and Cashew nut supply chains.*

Bonn, Germany

● **EDUCATION AND TRAINING**

2013 – 2017

PHD – Institut National Polytechnique de Toulouse

08/09/2014 – 19/09/2014 – Montpellier, France

SUMMER SCHOOL ON AGENT-BASED MODELLING & SIMULATION IN RENEWABLE RESOURCES MANAGEMENT – CIRAD - University of Toulouse - IRSTEA - CNRS - Université de Rouen

- *Learning the different skills required for building agent-based models for renewable resources management*
- *UML language*
- *Cormas and NetLogo platform coding*

04/11/2013 – 08/11/2013 – Chateauneuf-de-Gadagne, France

COMPANION MODELLING SUMMER SCHOOL – INRA - CIRAD - IRSTEA - LISODE - Université of Saint Louis

- *Learning how to use the companion modelling approach (<http://www.commod.org/>)*

- *Engineering in agronomy and rural development.*
- *Study of producer's organizations involved in fairtrade and organic banana production in the Chira oasis in Peru (Final internship with Max Havelaar France) - 6 months*
- *Internships in Venezuela (Study of the agrarian reform) and Bangladesh (Study of microcredit within the Grameen Bank) - 3 months each*

● LANGUAGE SKILLS

Mother tongue(s): **FRENCH**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	C2	C2	C2	C2	C2
SPANISH	C2	C2	C2	C2	C2
GERMAN	B1	B1	B1	B1	A2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

● PUBLICATIONS

Publications 2017 - 2020

- Thomopoulos, R., Salliou, N., Abreu, C., Cohen, V., & Fouqueray, T. (2019). Reduced Meat Consumption: From Multicriteria Argument Modeling to Agent-Based Social Simulation. *International Journal of Food Studies*, 23.
- Salliou, N., Muradian, R., & Barnaud, C. (2019). Governance of Ecosystem Services in Agroecology: When Coordination is Needed but Difficult to Achieve. *Sustainability*, 11(4), 1158. <https://doi.org/10.3390/su11041158>
- Salliou, N., Vialatte, A., Monteil, C., & Barnaud, C. (2019). First use of participatory Bayesian modeling to study habitat management at multiple scales for biological pest control. *Agron. Sustain. Dev.*, 39(7), 9. <https://doi.org/10.1007/s13593-018-0553-z>
- Thomopoulos, R., Salliou, N., Abreu, C., Cohen, V., & Fouqueray, T. (2019). Reduced Meat Consumption: From Multicriteria Argument Modeling to Agent-Based Social Simulation. *International Journal of Food Studies*, 23.
- Salliou, N. (2018). Le commerce équitable: D'un projet alternatif à l'accompagnement de la mondialisation. *Pour*, N° 234-235(2), 135. <https://doi.org/10.3917/pour.234.0135>
- Barnaud, C., Corbera, E., Muradian, R., Salliou, N., Sirami, C., Vialatte, A., ... Antona, M. (2018). Ecosystem services, social interdependencies, and collective action: a conceptual framework. *Ecology and Society*, 23(1). <https://doi.org/10.5751/ES-09848-230115>
- Salliou, N. (2018). Le commerce équitable: D'un projet alternatif à l'accompagnement de la mondialisation. *Pour*, N° 234-235(2), 135. <https://doi.org/10.3917/pour.234.0135>
- Salliou, N., Barnaud, C., Vialatte, A., & Monteil, C. (2017). A participatory Bayesian Belief Network approach to explore ambiguity among stakeholders about socio-ecological systems. *Environmental Modelling & Software*, 96, 199–209. <https://doi.org/10.1016/j.envsoft.2017.06.050>
- Salliou, N., & Barnaud, C. (2017). Landscape and biodiversity as new resources for agro-ecology? Insights from farmers' perspectives. *Ecology and Society*, 22(2). <https://doi.org/10.5751/ES-09249-220216>

Publications 2020-2022

- Allain, S., & Salliou, N. (2022). Making differences legible: Incommensurability as a vehicle for sustainable landscape management. *Ecological Economics*, 191, 107240. <https://doi.org/10.1016/j.ecolecon.2021.107240>
- Taillandier, P., Salliou, N., & Thomopoulos, R. (2021). Introducing the Argumentation Framework Within Agent-Based Models to Better Simulate Agents' Cognition in Opinion Dynamics: Application to Vegetarian Diet Diffusion. *Journal of Artificial Societies and Social Simulation*, 24(2). <https://doi.org/10.18564/jasss.4531>
- Bruley, E., Locatelli, B., Colloff, M. J., Salliou, N., Métris, T., & Lavorel, S. (2021). Actions and leverage points for ecosystem-based adaptation pathways in the Alps. *Environmental Science & Policy*, 124, 567–579. <https://doi.org/10.1016/j.envsci.2021.07.023>
- Salliou, N., Bruley, E., Moreau, C., Luthe, T., Blanco, V., Lavorel, S., & Grêt-Regamey, A. (2021). Game of Cruxes: Co-designing a game for scientists and stakeholders for identifying joint problems. *Sustainability Science*. <https://doi.org/10.1007/s11625-021-00983-2>

Contribution to books

- Abrami, G., Daré, W., Ducrot, R., Salliou, N., & Bommel, P. (2021). Participatory modelling. In *The Routledge Handbook of Research Methods for Social-Ecological Systems* (pp. 189–204). Routledge.
- Baron, A., & Salliou, N. (2021). Parce que la viande de culture est une opportunité de diminuer l'empreinte écologique individuelle de tous ceux qui ne peuvent pas se passer de viande. In *Plaidoyer pour une viande sans animal* (Presses Universitaires de France).
- Magda, D., Girard, N., Angeon, V., Cholez, C., Raulet-Croset, N., Sabbadin, R., Salliou, N., Barnaud, C., Monteil, C., & Peyrard, N. (2019). A Plurality of Viewpoints Regarding the Uncertainties of the Agroecological Transition. In J.-E. Bergez, E. Audouin, & O. Therond (Eds.), *Agroecological Transitions: From Theory to Practice in Local Participatory Design* (pp. 99–120). Springer International Publishing. https://doi.org/10.1007/978-3-030-01953-2_6

● CONFERENCES AND SEMINARS

Conferences

- Salliou, N., & Grêt-Regamey, A. (2021). *A model-based dialogue between design, science and stakeholders for the design of sustainable and resilient cities*. The Ecosystem Services Partnership Europe 2021. <https://doi.org/10.13140/RG.2.2.22281.16482>
- Grêt-Regamey, A., & Salliou, N. (2020). *Quels futurs pour les Alpes Suisses?* 2eme congrès Suisse du paysage, Lausanne, Switzerland.
- Salliou, N., Bruley, E., Luthe, T., Blanco, V., Lavorel, S., & Grêt-Regamey, A. (2019). *Livelihood portfolios and adaptation pathways in face of global changes in the Alps: Reflecting with stakeholders & serious games*. GLP OSM 2019, Bern, Switzerland.
- Taillandier, P., Salliou, N., & Thomopoulos, R. (2019). *Coupling agent-based models and argumentation framework to simulate opinion dynamics: Application to vegetarian diet diffusion*. Social Simulation Conference, Mainz, Germany.
- Salliou, N., Bruley, E., Luthe, T., Blanco, V., Lavorel, S., & Grêt-Regamey, A. (2019). *Game of Cruxes: Quelles voies d'adaptations aux changements globaux dans les Alpes Françaises et Suisses?* Jeux et enjeux, Marseille, France.
- Salliou, N., & Thomopoulos, R. (2018). Modelling Multicriteria argument networks about reduced meat consumption (p. 6). FoodSim 2018, Ghent, Belgium, 08/04/2018
- Salliou, N., Vialatte, A., Monteil, C., Barnaud, C., Exploration participative du rôle du paysage riche en éléments semi-naturels pour la gestion des ravageurs de cultures. Rencontres d'Ecologie des Paysages 2017 SFE-IALE, Toulouse, France, 24/10/17
- Salliou, N., Barnaud, C., Monteil, C., Vialatte, A., Choisis, J.-P., Are farmers interested in involving landscape complexity in their pest regulation strategy?, International Conference of Ecological Sciences, Marseille, France, 25/10/16
- Salliou, N., Barnaud, C., Monteil, C., Co-innovating in agroecology: integrating stakeholders' perceptions of using natural enemies and landscape complexity for biological control into the research and innovation process, 12th European International Farming System Association, Harper Adams University, United Kingdom, 13/07/2016
- Salliou, N., Barnaud, C., Monteil, C., Vialatte, A., Choisis, J.-P., Sheeren, D., Biological pest control by landscape co-management : stakes of an innovation, 7 èmes Journées françaises de l'Ecologie du Paysage, Dijon, France, 28/10/2014

● **ORGANISATIONAL SKILLS**

Organisational skills

Team leading skills acquired during food coop creation project :

- *Workshops with volunteers*
- *Managing a one year project with 6 students from the AgroCampus Ovest engineering school*
- *Organizing open-air markets*

● **COMMUNICATION AND INTERPERSONAL SKILLS**

Communication and interpersonal skills

Workshop facilitation skills gained thanks to:

- *Multi-stakeholder meetings with Fairtrade stakeholders*
- *Participatory modelling sessions with stakeholders*