

Curriculum Vitae Dr. Nicolas Sallou

Born 25/12/1982 in Rennes, France

Since 2024	Senior researcher , Chair for Planning of Landscape and Urban Systems at ETH Zürich.
2020 - ongoing	Coordinator at Future Cities Laboratory Global, Zürich, Switzerland.
2018 – 2024	Post-doc , Chair for Planning of Landscape and Urban Systems at ETH Zürich.
2017 - 2019	Research consultancy, INRA IATE, Montpellier, France.
2017	Doctorate in Landscape Agronomy. Institut National Polytechnique de Toulouse.
2013-2017	PhD student at INRAE, DYNAFOR lab, Toulouse, France.
2010 - 2013	Consultant in Rural development. Social entrepreneurship to create a Food cooperative in Rennes, France.
2008 - 2010	Project manager, Fairtrade International (FLO e.V), Bonn, Germany.
2007	Master of Science in Rural Development, AgroParisTech, Paris, France.

Languages

- Fluent in French (Native language) and English (C2)
- Business fluent in Spanish (C1)
- Good language skills in German (B1)

Communication and management

- Coordinator of an interdisciplinary and international research team collaborating over several continents as part of the Future Cities Laboratory Global research program.
- Over 10 years experience in leading and facilitating workshops with experts and stakeholders:
 - Extended experience in leading, coordinating and facilitating stakeholder participation in transdisciplinary research settings.
 - Leading experience in international multi-stakeholders' negotiations as part of Fairtrade related activities in diverse supply chains (Cocoa, Cashews, Orange Juice)
- Task leader in the MTNPATHS, SELINA, GLOBESCAPE research projects for the participatory development of serious games for community concertation.

Publications and talks

→ See attachment 1

- 23 peer-reviewed publications, including 12 lead-author since 2017
- 12 first-author conference contributions
- 4 invited talks

Funding

- Acquired funding for the VITAMIN project (Vegetarian Transition Argument ModellINg)

Teaching & mentoring

→ See attachment 2

- Developed and leading a course at ETH Zürich since 2019: "Participatory Environmental Modelling" for MSc students in environmental sciences, geography, forestry and urban planning. We follow a learning-by-doing and hands-on approach for students with real-life partners environmental problems. Partnerships built with public authorities (City of Winterthur, City of Zürich), NGOs (Wildlife Conservation Society, Transterra, Mountain Wilderness, Rewilding Appenines), Academics (University of Belize, ETH) and companies (Consorzio Forestale del Canavese).
- Over 200 students and professionals trained in participatory modelling and serious game design through summer schools and lectures since 2017.

- Lectures in landscape planning, ecosystem services, landscape design, food transitions, urban agriculture, and animal ethics.
- Supervision of 1 PhD student, 8 MSc and 4 BSc thesis in environmental sciences and engineering, landscape planning and agronomy.
- Member of a PhD jury and member of 4 PhD students' steering committees (AgroCampusOuest, INRAE, University of Antananarivo).

Other academic activities

- Reviewer for journals including Agronomy, Agriculture, Cahiers Agriculture, Conservation Biology, Ecology and Society, Environmental Conservation, Environmental Management, Frontiers in Ecology and Evolution, Journal of Artificial Societies and Social Simulation, Journal of Land Use Science, Simulation & Gaming, Sustainability, Sustainability Science, Sustainable Environment.
- Member of the scientific committee of the conference Jeu et Enjeux, Montpellier, 2024.
- Co-organizer of the International Simulation and Gaming Conference (ISAGA) in La Rochelle, 2023.
- Chairing a session at ISAGA conference in La Rochelle, 2023 on “Play for social and environmental changes: Companion modeling focus”.
- Active member of the scientific networks Companion Modelling and ORCA (Observatoire de Recherche sur la Condition Animale).

Attachment 1: Publications and talks

Peer-reviewed articles

Submitted

Brouillet, C., Grêt-Regamey, A., Andriamanga, A. V., Martin, D. A., & **Salliou, N.** (*under review*). Soil extraction as an adaptation strategy to climate change—A focus on urban ecosystem services. *Ecosystems and People*

Salliou, N., Moreau, C., Barnaud, C., & Becu, N. (*under review*). Building participatory and generic simulation games : A synthesis of existing strategies. *Simulation & Gaming*.

Dernat, S., Grillot, M., Guerrier, F., Martel, G., **Salliou, N.**, & Terrier-Gesbert, M. (*under review*). Introduction. Jeu sérieux : Comment évaluer aujourd’hui cet outil presque séculaire ? *Nature Sciences Sociétés*.

Mann, S., Ott, M., & **Salliou, N.** (*submitted*). Do Animals Increase the Productivity of Swiss Farms? *International Journal of Sustainable Economy*

2025

Locatelli, B., Lavorel, S., Colloff, M., Crouzat, E., Bruley, E., Fedele, G., Grêt-Regamey, A., Plieninger, T., Andersson, E., Abbott, M., Butler, J., Devisscher, T., Djoudi, H., Dubo, T., Gonzales Garcia, A., Karimova, P. G., Munera-Roldan, C., Neyret, M., Quétier, F., **Salliou, N.**, Walther, Gretchen. (2025). Intertwined people-nature relations are central to nature-based adaptation to climate change. *Philosophical Transactions of the Royal Society. Biological Sciences*.

Kriz, W. C., **Salliou, N.**, & Martel, G. (*in press*). Willy Christian Kriz : Current trends and challenges in evaluating the use of games in research. *Nature Sciences Sociétés*.

2024

Nieuwborg, A., **Salliou, N.**, & Geurtsen, J. (2024). Designing Systemic Resilience in the Face of Looming Black Swans through a Seminar-Style Wargame. *DRS Biennial Conference Series*. <https://dl.designresearchsociety.org/drs-conference-papers/drs2024/researchpapers/262>

Schuur, J. S., Switalski, M., **Salliou, N.**, & Grêt-Regamey, A. (2024). Identifying levers of urban neighbourhood transformation using serious games. *Npj Urban Sustainability*, 4(1), Article 1. <https://doi.org/10.1038/s42949-023-00138-5>

2023

Mayer, P., Grêt-Regamey, A., Ciucci, P., **Salliou, N.**, & Stritih, A. (2023). Mapping human- and bear-centered perspectives on coexistence using a participatory Bayesian framework. *Journal for Nature Conservation*, 73, 126387. <https://doi.org/10.1016/j.jnc.2023.126387>

Salliou, N. (2023). Quitting livestock farming : Transformation pathways and factors of change from post-livestock farmers' accounts. *Frontiers in Sustainable Food Systems*, 7. <https://www.frontiersin.org/articles/10.3389/fsufs.2023.1122992>

Salliou, N., Arborino, T., Nassauer, J. I., Salmeron, D., Urech, P., Vollmer, D., & Grêt-Regamey, A. (2023). Science-design loop for the design of resilient urban landscapes. *Socio-Environmental Systems Modelling*, 5, 18543-18543. <https://doi.org/10.18174/sesmo.18543>

Salliou, N., & Stritih, A. (2023). In complexity we trust : Learning from the socialist calculation debate for ecosystem management. *Environmental Research Letters*, 18(5), 051001. <https://doi.org/10.1088/1748-9326/accc45>

Schalbetter, L., **Salliou, N.**, Sonderegger, R., & Grêt-Regamey, A. (2023). From board games to immersive urban imaginaries : Visualization fidelity's impact on stimulating discussions on urban transformation. *Computers, Environment and Urban Systems*, 104, 102003. <https://doi.org/10.1016/j.compenvurbsys.2023.102003>

Stritih, A., & **Salliou, N.** (2023). Reply to Comment on 'In complexity we trust : Learning from the socialist calculation debate for ecosystem management'. *Environmental Research Letters*, 19(1), 018001. <https://doi.org/10.1088/1748-9326/ad0efd>

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>

Cué Rio, M., Bovenkerk, B., Castella, J.-C., Fischer, D., Fuchs, R., Kanerva, M., Rounsevell, M. D. A., **Salliou, N.**, Verger, E. O., & Röös, E. (2022). The elephant in the room is really a cow : Using consumption corridors to define sustainable meat consumption in the European Union. *Sustainability Science*. <https://doi.org/10.1007/s11625-022-01235-7>

2021

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>

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>

2019

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. <https://doi.org/10.7455/ijfs/10.1.2021.a1>

2018

Barnaud, C., Corbera, E., Muradian, R., **Salliou, N.**, Sirami, C., Vialatte, A., Choisir, J.-P., Dendoncker, N., Mathevret, R., Moreau, C., Reyes-Garcia, V., Boada, M., Deconchat, M., Cibien, C., Garnier, S., Maneja, R., & 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., & Thomopoulos, R. (2018). Je mange moins de viande ! Quels arguments ? *Viandes et Produits Carnés*.

2017

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>

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>

Book chapters

Thomopoulos, R., **Salliou, N.**, Taillandier, P., & Tonda, A. (2022). Consumers' Motivations Towards Environment-Friendly Dietary Changes : An Assessment of Trends Related to the Consumption of Animal Products. In W. Leal Filho, I. Djekic, S. Smetana, & M. Kovaleva (Éds.), *Handbook of Climate Change Across the Food Supply Chain* (p. 305-319). Springer International Publishing. https://doi.org/10.1007/978-3-030-87934-1_17

Abrami, G., Daré, W., Ducrot, R., **Salliou, N.**, & Bommel, P. (2021). Participatory modelling. In *The Routledge Handbook of Research Methods for Social-Ecological Systems* (p. 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 (Éds.), *Agroecological Transitions : From Theory to Practice in Local Participatory Design* (p. 99-120). Springer International Publishing. https://doi.org/10.1007/978-3-030-01953-2_6

Datasets

Salliou, N., Taillandier, P., & Thomopoulos, R. (2020). *VITAMIN project (Vegetarian Transition Argument ModellINg)*. <https://doi.org/10.15454/HOBUZH>

Other publications

Salliou, N. (2023). *Documenting and Promoting Multifunctional Agro-urban Landscape for Resilient Cities : A Case Study in Antananarivo*. NSL – Netzwerk Stadt Und Landschaft.

Urech, P., & **Salliou, N.** (2023). *Design Research Studios – A Research-based Design Process for Interdisciplinary Dialogue and Collaborative Thinking*. NSL – Netzwerk Stadt Und Landschaft.

Salliou, N. (2021). *FCL Global Tana – Co-designing a Blue-green Future for the Agro-urban City of Antananarivo*. NSL – Netzwerk Stadt Und Landschaft.

Salliou, N., Taillandier, P., & Thomopoulos, R. (2020). *VTTAMIN project (Vegetarian Transition Argument ModellINg)* [Dataset]. <https://doi.org/10.15454/HOBUZH>

Invited Talks

Salliou, N. (2024). *Quitting livestock farming : Ongoing research and perspectives*. European Farm Transition Network, Berlin, Germany.

Salliou, N. (2023). *La traction animale en agriculture : Solution d'avenir?* Low Tech Festival, Nantes, France. <https://www.youtube.com/watch?v=Oks0vigPbmU>

Salliou, N. (2022). *Who wants ecosystems in future cities?* ETH Week, Zürich, Switzerland.

Salliou, N. (2021). *Games and participatory modelling for urban planning*. FCL Global Seminar. (Online) www.youtube.com/watch?v=T6Afr3YKOYY&t

Conference contributions

2024

Salliou, N., Andriamanga, A. V., Andriamanjatovo, N., Brouillet, C., Burnod, P., Fappiano, F., Grêt-Regamey, A., Leitao, J., Nambinintsoa Nomenjanahary, H., Ramamonjisoa, B., Schmid, L., Urech, P., van Breugel, M., & Voélin, F. (2024). Advancing urban resilience : A science-design loop for blue-green infrastructure. *World Biodiversity Forum 2024, Davos, Switzerland*.

Salliou, N., Andriatsihaina, N., Andriamanga, A. V., Brouillet, C., Burnod, P., Ramamonjisoa, B., Voélin, F., & Grêt-Regamey, A. (2024). Understanding stakeholder perspectives on blue-green infrastructures in Antananarivo, Madagascar. *ENGEES - Nature-based Solutions and Water-related Risks, Strasbourg, France*.

Salliou, N., & Brouillet, C. (2024). La démocratie fédérale Suisse à l'épreuve de la transition vers les énergies renouvelables. *Jeux et Enjeux, Montpellier, France*.

2023

Nieuwborg, A., **Salliou, N.**, Melles, M., Hiemstra-van Mastrigt, S., Zekveld, J., & Santerma, S. (2023). Improving strategic optionality in face of looming Black Swans. *ISAGA, La Rochelle, France*.

Salliou, N., & Grêt-Regamey, A. (2023). Science-design loops for the design of blue-green resilient urban landscapes : A case study in Antananarivo, Madagascar. *LALE World Conference, Nairobi, Kenya*.

Salliou, N., Mayer, P., & Baron, A. (2023). Conservation vs. Wild-Animal Suffering (WAS): How can population dynamics help? *Welfare, Compassion, Conservation, Fribourg University, Switzerland*.

Brouillet, C., Grêt-Regamey, A., Anderson, E., & **Salliou, N.** (2023). Understanding peri-urban transformations of flood-prone landscapes with an ecosystem services perspective. *EGU 2023, Vienna, Austria*.

2022

Dernat, S., Grillot, M., Guerrier, F., Martel, G., **Salliou, N.**, & Terrier-Gesbert, M. (2022). *Actes des 1ères journées GAMAE. Journées GAMAE 2022*.

2021

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>

2020 and older

Grêt-Regamey, A., & **Salliou, N.** (2020). Quels futurs pour les Alpes Suisses? *2eme congrès Suisse du Paysage*.

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.**, 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. *SSC 2019, Mainz, Germany*.
- Salliou, N.**, & Thomopoulos, R. (2018). Modelling Multicriteria argument networks about reduced meat consumption. *FoodSim 2018, Ghent, Belgium*.
- Salliou, N.**, Vialatte, A., Monteil, C., & Barnaud, C. (2017). Exploration participative du rôle du paysage riche en éléments semi-naturels pour la gestion des ravageurs des cultures. *SFE-LALE, Toulouse, France*.
- Salliou, N.**, Barnaud, C., & Monteil, C. (2016). 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*.
- Salliou, N.**, Barnaud, C., Monteil, C., Vialatte, A., & Choisir, J.-P. (2016). Are farmers interested in involving landscape complexity in their pest regulation strategy? *International Conference of Ecological Sciences, Marseille, France*.

Theses

- Salliou, N.** (2017). La gestion paysagère des ravageurs : Exploration des verrous et leviers d'une innovation agroécologique par la modélisation participative. *Dissertation*. Institut National Polytechnique de Toulouse - INPT. <https://theses.hal.science/tel-04222372>
- Salliou, N.** (2007). Diagnostic agraire de la communauté paysanne de Querecotillo-Salitral au Pérou—L'exportation de la banane biologique et équitable. *Master thesis*. AgroParisTech.

Attachment 2: Teaching & Mentoring

Teaching

2019 - ongoing	Responsible and main lecturer of the “Participatory Environmental Modelling” course, Master level, ETH Zürich.
2019 - ongoing	Lecturer in the “Landscape Planning and Environmental Systems” Master course, ETH Zürich.
2017 - ongoing	Co-organizer of the “Companion Modelling” summer schools, CIRAD, ETH Zürich, INRAE, LISODE. France & The Netherlands.
2023	Teaching participatory serious game design as part the Certificate for Advanced Studies in Systemic design, ETH Zürich, MonViso Institute, Italy.
2023	Lecturer on “Co-creation of resilient blue-green infrastructure in agro-urban environments” for the FCL Global Course program, ETH Zürich, Switzerland.
2019 - 2022	Lecturer on the ethics of farmed animal for the Engineering program “Animal in its environment”, ENSAT, Toulouse, France
2021	Lecture on “Serious game design” in the PhD summer school “Resiliency: RE:GENERATE alpine-urban circularity”, ETH Zürich & EPFL Lausanne, Switzerland.
2021	Lecturer on “Towards reducing animal product consumption” at EHL Hospitality Business School, Lausanne, Switzerland.
2021	Instructor on “Serious game design” for the Certificate of Advanced Studies in “Systemic Design”, ETH Zürich, Switzerland.
2019	Lecture on “Co-constructing adaptation strategy in socio-ecological systems with Agent-Based models” in the Summer school “Trajectories”, Lautaret, France.

Mentoring of Theses

Ongoing	MSc in Environmental Science, ETH Zürich	Solène Schaub	Social, psychological and resource-related barriers to quitting livestock farming in Switzerland.
Ongoing	MSc in Environmental Engineering, ETH Zürich	Raffaele Minghetti	From Serious game co-designed with stakeholders to Serious game made for Students.
Ongoing	MSc in Agronomy, University of Antananarivo	Feno Randriantsoa	Perceptions des communautés locales vis-à-vis du rôle des infrastructures vertes et bleues dans la gestion des inondations: cas des plaines péri-urbaines d'Antananarivo.
2024	MSc in Environmental Science, ETH Zürich	Marianne Ott	Profitability of livestock vs. plant farming. A comparative analysis of Swiss farming focusing on the effect of animal density on different farm types, based on the 2022 Swiss Farm Accountancy Data Network.
2024	BSc in Environmental Sciences	Zoé Hammer	Improving intercultural communication in serious games.
2023	MSc in Environmental Science, ETH Zürich	Tiphaine Mühlenthaler	The emergency of the energy transition: A challenge for Swiss federalism.
2023	MSc in Environmental Science, ETH Zürich	Diana Roncoroni	Developing a generic serious game to support the mainstreaming of nature-based solutions for dealing with urban challenges.
2023	BSc in Environmental Engineering	Matteo Milone	Creating city archetypes: a new approach to present and future flooding problems
2022	MSc in Environmental Science, ETH Zürich	Carl Joseph	Is urban growth eating up blue and green infrastructure?

2022	MSc in Environmental Science, ETH Zürich	Till Jäggi	Exploring land use pathways in the periurban landscape of Antananarivo, Madagascar, with agent-based modelling
2022	BSc in Environmental Engineering	Raimo Fritz Ruprecht	The value of Urban Agriculture in context of Flood Risk Reduction
2019	BSc in Geomatics and planning	Xavier Brunner	Réalisation du développement de l'urbanisation vers l'intérieur : Comparaison entre méthodes de mutation et remaniements de terrains à bâtir

Mentoring of PhD students

Ongoing	ETH Zürich	Constance Brouillet	Adaptation pathways of agro-urban floodplains in Antananarivo: a transdisciplinary approach
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