

# Nicolas ROUX

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Web of Science: [Researcher ID AAE-1903-2021](#)

## Education

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- 09/2018 ~ 03/2023 **Doctoral School of Social Ecology (PhD)**  
*Institute of Social Ecology, University of Natural resources and Life Sciences, Vienna*  
*MSCA fellow of the COUPLED ITN program*  
Research focus: Land use, agriculture, ecosystems, biodiversity, international trade, telecoupling, sufficiency, diets, biophysical modeling, trade governance
- 09/2015 – 03/2018 **Graduate Program in Environmental Sciences (M.S.)**  
*University of Tokyo*  
Research focus: Agriculture, Trade, and the Environment
- 09/2011 – 09/2014 **Double Bachelor in Natural Sciences and Economics**  
*Universités Paris 6 UPMC & Paris 2 Panthéon-Assas*
- 09/2013 – 08/2014 **Student Exchange - Environmental Sciences and Economics ()**  
*Sophia University, Tokyo*

## Professional and other practical experience

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- 09/2018 ~ **Doctoral and post-doctoral research staff**  
*Institute of Social Ecology, University of Natural Resources and Life Sciences, Vienna*
- 01/2022 ~ 02/2022 **Research stay**  
*Leuphana University of Lüneburg*
- 12/2019 ~ **Scientists for Future Austria – board member**  
*Activist coordinator and board member for internal organization*
- 07/2019 ~ **NGO co-founder and vice president**  
*Treeathlon – Bewegen, Begrünen, Begeistern*
- 09/2017 – 12/2017 **Research internship**  
*UMR METIS 7619*  
Analyses of the origins of Phosphorus in French soils
- 09/2015 – 08/2017 **NGO Volunteer**  
*350.org Japan*  
Climate change activism, Green Finance campaign, event management
- 02/2016 – 10/2016 **Field research and Farm helper**  
*Working in several organic farms around Japan*  
Visiting food processing plants, interviewing
- 04/2015 – 06/2015 **International volunteer, India**  
*CODP India, development NGO*  
*Rainwater harvesting and soil conservation project*
- 01/2015 – 03/2015 **Intern, Environmental Economic incentives**  
*Kankyo Keizai corp. (lit. Environmental Economics)*  
Promoting carbon offsetting, Handling energy savings data
- 09/2014 – 03/2015 **Research Assistant**  
*Pr. KONISHI Yoshifumi, Sophia University*  
Trade and Environment: literature review and modeling

## Awards and fellowships

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2022	<b>Best student paper award, <a href="#">European Society for Ecological Economics</a></b>
2020	<b>BOKU Sustainability award, Nominee and <a href="#">video presentation</a></b>
2018	<b>High memorial prize, <i>Best thesis of the graduate school of Arts and Sciences, U. Tokyo</i></b>
2015	<b>Merit based scholarship, MEXT</b>
04/2013	<b>University Paris 2 contest in Microeconomics, <i>First Prize</i></b>

### Academic conferences (selected)

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2023	<b>European Union International Affairs (EUIA), Oral Presentation</b>
2022	<b>American Geophysical Union (AGU), Oral Presentation</b>
2022	<b>European Society of Ecological Economics, Oral Presentation</b>
2019	<b>Kosmos Conference, Oral Presentation</b>
2019	<b>Global land project open science meeting, Poster</b>
2017	<b>International Association for Agricultural Economics, Oral presentation</b>

### Reviewer for scientific journals

- Ecological Economics
- Nature Geoscience
- Carbon Management
- Environmental Research Letters
- Earth's Future
- Ecosystem Services

### Publications

	<u>Title</u>	<b>Year</b>
	<a href="#">Combining biophysical modeling and Polanyian theory pleads for a re-embedding of the agricultural system in 2050 in Austria</a> J Le Noë, S Gingrich, M Pichler, N Roux, L Kaufmann, A Mayer, C Lauk Environmental Science & Policy 139, 228-239	2023
	<a href="#">Embodied HANPP of feed and animal products: Tracing pressure on ecosystems along trilateral livestock supply chains 1986–2013</a> N Roux, L Kaufmann, M Bhan, J Le Noe, S Matej, P Laroche, T Kastner, ... Science of the Total Environment 851, 158198	2022
	<a href="#">Impacts of Scaling up Agroecology on the Sustainability of European Agriculture in 2050</a> A Mayer, G Kalt, L Kaufmann, E Röss, A Muller, R Weissshaidinger, ... EuroChoices 21 (3), 27-36	2022
	<a href="#">The misinterpretation of structure effects of the LMDI and an alternative index decomposition</a> N Roux, B Plank MethodsX 9, 101698	2022
	<a href="#">The social shortfall and ecological overshoot of nations</a> AL Fanning, DW O'Neill, J Hickel, N Roux Nature Sustainability 5 (1), 26-36	2022
	<a href="#">Quantifying and attributing land use-induced carbon emissions to biomass consumption: A critical assessment of existing approaches</a> M Bhan, S Gingrich, N Roux, J Le Noë, T Kastner, S Matej, ... Journal of Environmental Management 286, 112228	2021
	<a href="#">Does agricultural trade reduce pressure on land ecosystems? Decomposing drivers of the embodied human appropriation of net primary production</a> N Roux, T Kastner, KH Erb, H Haberl	2021

## Title

## **Year**

Ecological Economics 181, 106915

[The phosphorus legacy offers opportunities for agro-ecological transition \(France 1850–2075\)](#)

J Le Noë, N Roux, G Billen, S Gingrich, KH Erb, F Krausmann, V Thieu, ...

2020

Environmental Research Letters 15 (6), 064022

Policy Brief on [Land use, land use change and forestry emissions: changing the EU's accounting schemes](#)

2021

N Roux, M Bhan, A Magerl

[Policy commentary](#) on the European Commissions Roadmap to stepping up its effort to tackle deforestation and forest degradation

2019

N Roux, LMB Lumholt, T Reis, M Bhan

## **Language Proficiency**

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French	Native
German	Native
English	Fluent
Japanese	Advanced
Spanish	Basic

## **Computer Skills**

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Ms. Office (Excel, Ppt, Word)		Highly Proficient
Python, qGIS		basic knowledge