

Courault Romain, PhD

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Key-words

Global change assessment, biogeography, climatology & climate change, spatial modeling, R programming, remote sensing, GIS, forestry, Arctic & Subarctic floras, Mediterranean flora, Sahel, Central Africa, urban biodiversity, Sustainable development

Positions

ASSISTANT-PROFESSOR | SEP. 2022 | UNIVERSITE PARIS 1 PANTHEON SORBONNE

- Teaching: Biogeography (25%), Climatology (25%), Physical geography and environmental issues (25%), Methods, techniques in remote and fieldwork physical geography (25%)
- Research position, affiliation : UMR-CNRS 7533 LADYSS, Lab of socio-spatial reconfigurations

POSTDOCTORAL RESEARCHER | JAN. 2020 | INSTITUT DE RECHERCHE POUR LE DEVELOPPEMENT

- Project « Pluridisciplinary Collaboration on Continental Carbon Storage and Sequestration » in Sahelian agroecosystems (Senegal, Niger)
- UMR IRD 228 EspaceDev – Lab of Spatial Observation, Modelling & Involved Science, Maison de la Télédétection, Montpellier, France

TEMPORARY LECTURER AND RESEARCH ASSISTANT | SEP. 2017 | SORBONNE-UNIVERSITÉ

- Teaching: Biogeography, Climatology, Fieldwork in physical geography
- Research: Lab Space, Nature & Culture

DOCTORAL RESEARCHER AND ASSISTANT LECTURER | SEP. 2014 | SORBONNE-UNIVERSITÉ

- Teaching: Biogeography, Climatology, Quantitative geography and tools, Fieldwork in physical geography
- Research: Lab Space, Nature & Culture

Administrative responsibilities

UNITE DE FORMATION ET DE RECHERCHE DE GEOGRAPHIE | SEP. 2022 | UNIVERSITE PARIS 1 PANTHEON SORBONNE

- Educational director of the Master degree “Risks and Environment”, Institut de Géographie
- Co-head of the bi-disciplinary project of the Bachelor in Sustainable sciences (BASUS, Una Europa), track in Economics & Geography

Formation

PHD IN GEOGRAPHY | DEC 2018 | SORBONNE-UNIVERSITE

- Title of the thesis : « [Cultural] Landscapes of the Scandinavian reindeer herding facing to global change : a multi-scalar approach (Swedish Lapland, Southern Norway) »
- Pastoralism, dynamics of population & ethology, direct and indirect effects of climate change and landscape fragmentation on reindeer' ecology

MASTER DEGREE IN GEOGRAPHY | JUN 2014 | PARIS-DIDEROT PARIS 7

- Environmental and physical geography, focusing on plant, animal and climate distribution

BACHELOR IN GEOGRAPHY | JUN 2012 | PARIS-DIDEROT PARIS 7

- Physical geography, with several options regarding methodology and tools of geography

List of main publications

Underlined: International conference (speaker or poster presentation)

Other: Peer-reviewed publications in national or international journals or within proceedings

AGNAN, Yannick, ROUELLE, Maryse, COURAULT, Romain, COHEN, Marianne, ALEXIS Marie, Dietary differences between reindeer and moose evidenced by trace elements, carbon, and nitrogen content in their feces. In: Goldschmidt 2023 Conference, 9-14 of July 2023, Lyon, France, 2023

COURAULT, Romain, Analyses spatio-temporelle de l'évolution du couvert végétal détecté par MODIS à l'échelle du Sahel : verdissement au nord, brunissement au sud ? In : Congrès de l'Association Internationale de Géographie Francophone (AIGF), 13-15 of June 2023, Rabat, Maroc, 2023

COURAULT, Romain, COHEN Marianne, Multi-decadal satellite monitoring of vegetation cover (MOD44B) in Fennoscandia: application to Saami' reindeer husbandry landscapes. In: XIXème édition des Journées scientifiques du Comité National Français des Recherches Arctique et Antarctique (CNFRAA), 10-12 of May 2023, Paris, France, 2023

COURAULT, Romain, COHEN, Marianne, EYMARD, Laurence, et al. Mapping effects of heatwaves on urban systems: a comparison Greater London-Métropole du Grand Paris. In : 7ème édition du colloque " Climat et Impacts". 23th of November 2022, Gif-sur-Yvette, France, 2022.

COHEN Marianne, AYMARD Laurence, COURAULT, Romain, MÜLLER, Serge, Londres, Barcelone, une inspiration pour le Grand Paris ? Objectif Grand Paris Magazine, rubrique Expertise, 2022

COURAULT, Romain, COHEN, Marianne, SAID, Sonia, et al. Impacts de la variabilité climatique sur la démographie des rennes en Laponie suédoise: de l'intérêt du calendrier pastoral. Presse de Sorbonne-Université, 2021.

COURAULT, Romain, SADDA, Abou-Soufianou, LOIREAU, Maud, et al. Assessment of terrestrial carbon stocks from regional to agricultural landscapes using SMAP-L4 Carbon Net Ecosystem Exchange dataset: review and application (Maradi, Republic of Niger). In : 1st Annual Meeting of the Mediterranean Geosciences Union-Springer. 2021.

COURAULT, Romain. Etudes diagnostiques: changements d'occupation des sols, variabilité spatiale et temporelle des flux de C, région de Maradi, République du Niger. In : Atelier 2021 JEA PRESAF. Niamey, Niger. 2021.

COURAULT, Romain et COHEN, Marianne. Evolution of land cover and ecosystem services in the frame of pastoral functional categories: A case study in Swedish Lapland. Sustainability, 2020, vol. 12, no 1, p. 390.

CHEVALLIER, Tiphaine, LOIREAU, Maud, COURAULT, Romain, et al. Paris climate agreement: Promoting interdisciplinary science and stakeholders' approaches for multi-scale implementation of continental carbon sequestration. Sustainability, 2020, vol. 12, no 17, p. 6715.

COURAULT, Romain et PINEROS, Sairi. Analyse paysagère et tourisme (s) en Bourgogne-Franche Comté. Feuilles de Géographie, 2020.

AGNAN, Yannick, COURAULT, Romain, ALEXIS, Marie A., et al. Distribution of trace and major elements in subarctic ecosystem soils: Sources and influence of vegetation. Science of the Total Environment, 2019, vol. 682, p. 650-662.

COURAULT, Romain, DUVAL, Gregory, et COHEN, Marianne. La fragmentation des paysages de l'élevage des rennes. Une étude de cas en Laponie suédoise. *Géocarrefour*, 2018, vol. 92, no 92/3.

COURAULT, Romain, COHEN, Marianne, et RONCHAIL, Josyane. Wild reindeer winter migratory patterns (Hardangervidda, Norway): what resilience under climate change?. In : EGU General Assembly Conference Abstracts. 2018. p. 17363.

COURAULT, Romain, FRANCKET, Alexiane, BOURRAND, Kevin, et al. Recent vegetation phenology variability and wild reindeer migration in Hardangervidda plateau (Norway). In : 28th International Cartographic Conference. 2017.

COURAULT, Romain, COHEN, Marianne, et RONCHAIL, Josyane. Régimes de circulation atmosphérique, impact du changement climatique et variation démographique des rennes dans le nord de la Scandinavie. In : XXVIIIe Colloque de l'Association Internationale de Climatologie, 2015.

BOURRAND, Kévin, DIEDHIOU, Ibrahima, COURAULT, Romain, et al. MeMoTF Merge and Mosaic Through Folders Une boîte à outils de prétraitements automatiques de grandes bases de données géoréférencées Deux exemples de coopération ingénierie Géomatique et recherche en Géographie. In : Conférence francophone ESRI (SIG 2015). 2015.