

Dr. HDR Annegret Nicolai

Living Lab CLEF
14 Place de la République
35380 Plélan-Le-Grand
Phone : +33.6.18.99.29.05

Research associate of CNRS
and Université Rennes
Station Biologique de Paimpont
35380 Paimpont, France

annegret.nicolai@univ-rennes.fr

RESEARCH FIELD

Conservation biology in terrestrial gastropods, participative science, ecological sociology/economy

PRESENT POSITION

Since 04/2021 Researcher in the Living Lab CLEF, France

EMPLOYMENT HISTORY

10/2020-03/2021 **Co-Creator** of the Living Lab CLEF, France
05-09, 11-12/2019, **Researcher**, Research Centre for Biological and Sociological Studies/UMR 6553
06-07/2020 EcoBio, Université Rennes 1, France
09/2016-12/2019 **Researcher**, UMR-INRA 1069 SAS, Agrocampus Ouest Rennes/UMR 6553 EcoBio,
Université Rennes 1, France
09/2014-08/2016 **Lecturer/Researcher**, Ecology-Evolution-Biodiversity Lab, UMR-CNRS 6553 EcoBio /
OSUR, University Rennes 1, France
07-08/2014 **Postdoc**, Biodiversity Institute of Ontario, University Guelph, Canada
01-07/2014 **Lecturer/Researcher**, Institute of Biology and Applied Ecology, Catholic University
of the West, Angers, France
08/2012-10/2013 **Postdoc**, Thermal Biology Lab, University of Western Ontario, Canada
10/2011-01/2012 **Postdoc**, National Museum of Natural History, University Rennes 1, France
09/2010-01/2011 **Postdoc**, Landscape and Climate Change Lab, UMR-CNRS 6553 EcoBio / OSUR,
University Rennes 1, France
02/2005-08/2006 **Associate Researcher**, Applied Research Institute, University of Economy and
Environment Nürtingen, Germany
07/2005 **Research Assistant**, Nalychevo Nature Reserve, WWF, Kamchatka, Russia

EDUCATION

2020	Habilitation to direct research (HDR)	University Rennes 1 (Ecological Economy), France
2006-2010	Joint supervision Ph.D (Dr.)	University Bremen, Germany / University Rennes 1, France (Ecophysiology/Conservation)
2001-2002	Maîtrise + DEA (M.Sc.)	University Nancy + University Rennes 1, France (Ecophysiology)
1997-2000	DEUG + Licence (B.Sc.)	University Clermont-Ferrand, France, University Laval Québec, Canada + University Nancy, France; (Biologie)

INTERNSHIPS

2000 + 2001	Licence + Maîtrise	Wildlife Science Center, Forest Lake, USA
-------------	--------------------	---

STUDY JOURNEY

2003-2004 Russia, Kazakhstan, Ukraine, Baltic States and Poland by bicycle

RESEARCH EXPERIENCE

As project coordinator

Region Brittany, LTER Armorique, PIEC (49 000 €): *Forest management in transition – change practices to face climate change and biodiversity loss* (FORET, 2023-2025)

OSUR/University Rennes (AO1 3 600 €): *Agricultural rewilding in a shared farm* (2023)

Province Quebec/Canada (50 000 €): *Perception of forest management – a comparison between France and Canada* (joint-supervision thesis, 2020-2024)

INEE (CNRS) (DIPEE 2 500 €): *Soil biodiversity values in urban and natural areas* (2020)

Brittany Regional Council: (BOOST 11 000 €): *Collaboration for EU project BFS³ (Biological Field Station Science for Society) for H2020 call SwafS* (2019-2020)

OSUR/University Rennes 1 (AO1 2 500 €): *Impact of education and vocational training on soil biodiversity knowledge in Ille-et-Vilaine territory, Brittany, France* (2019)

ADEME, University Rennes 1 (90 000 €): *Soil biodiversity values in European agriculture* (joint-supervision thesis, 2017-2020)

Malacological Society London (Junior Research Grant 1 700 £): *Recent shift of the gastropod community on the southwestern Lake Erie islands in Canada* (2017-2018)

OSUR/University Rennes 1 (AO1 2 500 €): *Policy Brief – Inter-row vegetation cover in vineyards: integration of ecological and sociological stakes* (2017)

Biodiversity Institute of Ontario (3 000 Ca\$): *Barcoding collection of Canadian gastropods* (2014)

Committee on the Status of Endangered Wildlife in Canada (COSEWIC contracts 61 000 Ca\$): *Species status reports, gastropod inventories* (2013-present)

Nature Conservancy of Canada (1 300 Ca\$): *Impact of conservation management strategies on gastropod community in Tall Grass Prairie habitat Manitoba* (2013)

Foreign Affairs and International Trade Canada (post-doc fellowship 36 500 Ca\$): *Physiological plasticity of cold tolerance in an invasive land snail*

Federal Foundation for the Environment of Germany (doctoral scholarship 54 000 €): *The impact of diet treatment on reproduction and thermo-physiological processes in two land snails, one invasive and one threatened* (2006-2010)

WWF Russie, Nalychevo Nature Reserve/Kamchatka/Russia (1 000 €): *Distribution of hot spring snails, survey of rare species, recommendations of habitat management* (2005)

As project collaborator

Biodiversa-BiodivMon (OFB, 50 000 €): *Raising awareness for soil biodiversity and multiplying monitoring by student-based Citizen Science* (SoilRise, 2024-2027)

→ *Workpackage leader for the impact analysis regarding informal learning and relation to soil organisms in the student-based citizen science approach*

→ *Task leader for the reflexive analysis of the methodology across Europe*

Biodiversa-BiodivProtect (ANR, 110 000 €): *Living-lab approach to floral enrichment as a tool to conserve biodiversity and maximizing ecosystem services in European agricultural landscapes* (ConservES, 2023-2026)

→ *Workpackage leader for the coordination of living lab network creation in European participants*

→ *Task leader for the analysis of transformative changes in farmers and researchers and perception of nature conservation by farmers on their farm (co-supervision of interdisciplinary PhD)*

ANR (4 000 €): *Landscape scenarios for a participative water management* (Pagaie, 2023-2025)

University Rennes 1 (4 000 €): *BioGeoBlitz on the Beaulieu campus of University Rennes 1 - biodiversity and environmental sensor experimentation* (SmartObs, 2021)

Province Ontario, Environment Canada (Species at Risk Stewardship Fund of Ontario, Habitat Stewardship Program Canada, 70 000 Ca\$): *Snails in fire managed alvars, population viability of endangered snails* (2017-2023)

Biodiversa-BiodivDynamics (ANR 80 000 €): *Ecosystem services driven by the diversity of soil biota – understanding and management in agriculture* (SoilMan, 2017-2019)

- *Economic and social ecosystem services of soil biodiversity (co-supervision of joint-supervision interdisciplinary PhD France-Germany)*
- *Co-leader of task on indicator development and EU policy brief*
- *Leader of task on genetic structure of gastropods*

Biodiversa-BiodivAgri (ANR 25 000 €): *Biodiversity-based ecosystem services in vineyards: analyzing interlinkages between plants, pollinators, soil biota and soil erosion across Europe* (VineDivers, 2015-2018)

- *French coordination of partner relationship*
- *Cultural ecosystem services of winegrowing landscape (supervision of master thesis)*
- *Integration of cultural ecosystem services the policy analysis matrix (supervision of internship France-Germany)*
- *Global analysis of biodiversity data*

Ontario Field Naturalists (2 500 Ca\$): *Impact of urbanisation on gastropod communities at Ottawa* (2016-2017)

Canadian Endangered Species Conservation Council (2 000 Ca\$): *General status of molluscs* (2016)

ANR NANoSALT (2 500 €): *Ecotoxicological effects of nanoparticles on marine mollusks* (2014)

MEEM-DREAL (3 000 €): *Conservatoire du Littoral: National Actions Plan of Corsica Helix* (2010-2012)

ANR RISKER (10 000 €): *Trophic impact on the accumulation of marine pollutants in fish at Kerguelen* (2010)

Brittany Regional Council (2 000 €) : *Change of biodiversity in the lake Careil* (2010)

MNHN Paris (2 000 €): *Contribution to the National Inventory of Natural Heritage* (2010)

University of Economy and Environment Nürtingen (Active Region Baden-Württemberg 4 000 €): *Albschneck©* (2005-2006)

- *Sustainable development in the Biosphere Reserve Svabian Alpes, cultural biodiversity*
- *Development of low-input snail farming for the protected Roman Snail in Germany*
- *Training for farmers*

IUCN Russia, CIDA Canada, pro Sibiria Germany (13 000 €): *Collaborating for conservation and management of Russian forests: Non-timber Forest Products* (2004-2005)

OTHER RESEARCH GRANTS

H2020 SwafS-27-2020. Europe. BFS³ – Biological Field Station Science for Society. 2020. D. Cluzeau, **A. Nicolai** and partners. (€ 2 Mio, not accepted)

OSUR, UFR SVE (University Rennes 1). Indicators for informal learning through citizen science (2020) R. Struminger A&M Texas, USA), J. Zaretsky (Colorado State University, USA), **A. Nicolai** (€2 680, accepted, but not implemented because of COVID)

CAS DAR. France. Prediction of pest slug population development: Modelling climate effects and agriculture system influence on eco-physiology for pest control. 2013-2016. A. Chabert (ACTA), M. Charrier, **A. Nicolai** and partners (€395 000 accepted, but I resigned from mission)

University Rennes 1. Joint Supervision PhD Grant. 2010. **A. Nicolai**, M. Charrier (€4 000 awarded)

University Rennes 1. France. Master's degree Merit Scholarship. 2001-2002. **A. Nicolai** (€4 000 awarded)

STUDENT SUPERVISION

07/2023-06/2026	PhD thesis (Clémence Agasse), CIFRE Living Lab CLEF, Université Rennes, Institut Agro
10/2020-10/2024	PhD thesis (Anne Bequeret), Joint Supervision University Rennes 1 and University Laval Quebec, Canada
03-09/2023	Master 2 (Baptiste Torlai, Agroparistech) with Sébastien Gogo, Université Rennes
05-08/2023	Master 1 (Adeline Lecheval, Paysages, Université Picardie) avec Aude Ernoult, Université Rennes
03-07/2023	Master 2 (Ouye Sonhaye, Géographie, Université Orléans) avec Aude Ernoult, Université Rennes
03-07/2023	Master 1 (Thibault Rapeau, Géographie, Université Nancy) avec Hayo van der Werf, UMR SAS, INRAE
10/2017-02/2021	PhD thesis (Morgane Hervé), Joint Supervision University Rennes 1 and University Göttingen, Germany
06-12/2020	Master 2 (Stacy Rossignol), Université Rennes 1
05-07/2020	Master 1 (Ayméric Havard, Formation ERPUR), Université Rennes 1
05-07/2020	Master 1 (Fanny Schultz, Formation GHBV), Université Rennes 1
04-06/2020	Master 1 (Marion Gelin, Formation MODE), Université Rennes 1
05-07/2020	Master 1 (Gwendoline Lebourcq, Formation PNB), Université Rennes 1
03-09/2019	L PRO (Clémence Agasse), Université Rennes 1
07/2019	L1-L2 (Lina Sène, Chaima Diba, Hugo Josse, Lan Dupuis), Université Rennes 1
03-09/2018	L PRO (Alexis Tychonowicz), Université Rennes 1
06-07/2018	L3 (Elodie Paillocher), Université Rennes 1
03/2017-09/2017	post-Master (Morgane Hervé), Université Rennes 1/Université Göttingen, Allemagne
06-07/2017	L2 (Elodie Paillocher), Université Rennes 1
03/2016-09/2016	Master 2 (Morgane Hervé), University Rennes 1
07-08/2014	post-Master (Kara Layton), Biodiversity Institute of Ontario, University Guelph, Canada
03-08/2014	Master 2 (Colton Claborn), NCC Ontario, Catholic University of the West Angers, France
09/2013-07/2014	PhD (Qian Long) with B.J. Sinclair and N. Keyghobadi, Western University, London, Ontario, Canada
01-07/2014	Master 2 (Simon Laubray) with Catherine Mouneyrac and Laure Giamberrini, Catholic University of the West Angers, France
	L2 (Tristan Tourelle), Catholic University of the West Angers, France
05-09/2013	L3 (Mykola Merkulov), Western University, London, Canada
01-08/2013	L2 (Jennifer Ho), Western University, London, Canada
10-12/2012	L1 (Steven Villani et Aishi Yang), Western University, London, Canada
08-09/2012	DAAD Rise (Alexandra Lischka), Western University, London, Canada
11/2008-08/2009	BTS 2 (Carole Bertrand), University Rennes 1, France
09-12/2010	L3 (Jonathan England), University Rennes 1, France
04/2007-12/2007	Master 2 (Simon Frädrich), University of Economics and Environment Nürtingen, Germany

PROFESSIONAL AFFILIATIONS AND SERVICE

<u>Reviewing</u>	Ad hoc reviewer for <i>PLOSone</i> (2x), <i>Functional Ecology</i> , <i>Journal of Molluscan Studies</i> , <i>Comparative Physiology and Biochemistry</i> , <i>Journal of Molecular Sciences</i> , <i>Symbiosis</i> (2x), <i>Journal of Evolutionary Biology</i> , <i>International Journal of Tropical Biology</i> , <i>Annals of Animal Sciences</i> (2x), <i>Animal</i> , <i>Advances in Crop Science and Technology</i> , <i>Journal of bacteriology and Parasitology</i> , <i>Canadian Field Naturalist</i> , <i>Annales Zoologici Fennici</i> , <i>Acta Biologica Szegediensis</i> , <i>Environmental Entomology</i>
-------------------------	--

- Consulting
- Vice-President of the Regional Scientific Committee for Natural Heritage in Brittany (2021-present)
 - NatureServe: EBAR gastropod maps review (2020)
 - Committee on the Status of Endangered Wildlife in Canada (COSEWIC), mollusk subcommittee (2014-present)
 - Friends of the Earth, Conservation of gastropods at risk in Italy (2017-2018)
 - United Nations Development Program/Global Environment Facility (UNDP/GEF), Strengthening the Marine and Coastal Protected Areas of Russia (2012-2013)
- Co-Coordination
- SoilMan Summer School on soil ecosystem services, Cluj-Napocca, Romania (Sep. 2019)
 - BFS³ consortium workshop financed by BOOST Partenariat, Paimpont (Feb. 2019)
 - 5th International Symposium on the Environmental Physiology of Ectotherms and Plants, London, ON, Canada (August 2013)
 - International IUCN Workshop on Non-timber Forest Products in Kamtchatka, Bystrinski Park, Russia (August 2005)
- Elected Position
- President of “Pro Sibiria”, Germany (2009-2013)
 - Representative of the Ecology group in “Youth Environment”, Germany (1994/95)

SKILLS

Languages	German, French, English, Russian
Software	R, QGis, BioEdit, MEGA, MS Office etc
Techniques	GC-MS, UPLC, PCR, DGGE, AAS, TLC-FID, Osmometry, biochemical extractions and analyses, cryobiological measures, gastropod rearing, taxonomy, population analysis, habitat analysis, monitoring, basic soil analysis, microbial cultures

TEACHING ACTIVITIES

Academic teaching

01/2024-06/2024	44h : Ecological monitoring (TD+TP/L1), Territorial workshop (TD/M1) <i>At University Rennes and Rennes 2</i>
11/2022-06/2023	74h : Ecological monitoring (TD+TP/L1), Professional training (TD/L Pro), Territorial workshop (TD/M1) <i>At University Rennes and Rennes 2</i>
01/2022-06/2022	60h : Ecological monitoring (TD+TP/L1), Environmental Diagnostic (TD+TP/L3), Art-Ecology (M2 Architecture-Art) <i>At University Rennes 1</i>
01/2021-06/2021	78h : Territorial workshop (TD/M1), Ecological monitoring (TD+TP/L1), Environmental Diagnostic (TD+TP/L3), Professional training (TD/L Pro) <i>At University Rennes 1 and Rennes 2</i>
09/2019-06/2020	68h : Territorial workshop (TD/M1), Scientific English in Agroecology (TD+TP/L Pro Anglais), Professional training (TD/L Pro), Environmental Diagnostic (TD+TP/L3) <i>At University Rennes 1 and Rennes 2</i>
09/2017-04/2020	145h : Scientific English in Agroecology (TD+TP/L Pro Anglais), Professional training (TD/L Pro), Environmental Diagnostic (TD+TP/L3) <i>At University Rennes 1</i>
09/2015-08/2016	192h : Scientific English (TD+TP/M2 Anglais), Statistics (TD/M1), Scientific Communication (TP/M1), Internship (TD/M1), Nutrition-Development-Growth (TP/L3), Big Issues in Ecology (TP/L2), Ecology (TD/Préparation Agrégation), Experimental

- Biology (TD/ Préparation Agrégation), Basics of Ecology (TD+TP/L1), Organization of the Living (TP/L1)
At University Rennes 1
- 09/2014-08/2015 **192h** : Scientific English (TD+TP/M2 Anglais), Methods in Science (CM/M2), Statistics (TD/M1), Scientific Communication (TP/M1), Stage (TD/M1), Literature Report (TD/M1), Nutrition-Development-Growth (TP/L3), Big Issues in Ecology (TP/L2), Ecology (TD/Préparation Agrégation), Basics of Ecology (TD+TP/L1), Organization of the Living (TP/L1), Nutrition (TD+TP/L1)
At University Rennes 1
- 01-07/2014 **92h** : Environmental Pollution and Biomonitoring (TD+TP/M2 Anglais), Internship (TD/M2 Anglais), Reproduction and Development (CM+TD+TP/L3), Biology of Organisms (TD+TP/L3), Tutored project (TD/L3), Internship(TD/L Pro), Animal Biology (TP/L1)
At Catholic University of the West Angers
- 09-12/2010 **21h** : SIG (TD/M2)
At University Rennes 1
- 08/2005 **8h**: Non-timber Forest Products in protected areas and native communities of Russia (IUCN summer school), Bystrinsky Nature Reserve au Kamtchatka, Russie

Professional training

- 11/2022+11/2023 **8h** : Ecology, landscape and ecosystem services (veterinaries)
At Veterinary School ONIRIS Nantes, France
- 01/2006-08/2006 **24h** : Snail farming (farmers)
At University of Economics and Environment Nürtingen, Germany

Other teaching experiences

- 09/1996-08/1997 **90h** : German (private course), Clermont-Ferrand, France
- 09/1995-08/1996 **720h** : Weaving with handicapped people, l'Arche Courbillac, France

PUBLICATIONS

International peer-reviewed articles

- T. Rapeau, H.M.G. van der Werf, M. Baudais, C. Miesch, C. Le Lann, M. Hervé, **A. Nicolai** (in revision) Ré-ensauvagement d'une ferme partagée pour favoriser la biodiversité - Rewilding of a sharded farm to promote biodiversity. *SYSTÈMES ALIMENTAIRES – FOOD SYSTEMS*
- R.G. Forsyth, **A. Nicolai** (in revision) Land snails of the genus *Pupilla* (Gastropoda, Pupillidae) in northwestern British Columbia and the Yukon. *CANADIAN FIELD-NATURALIST*.
- G. Liebhard, G. Guzmán, J.A. Gomez, S. Winter, J. Zaller, T. Bauer, **A. Nicolai**, D. Cluzeau, D. Popescu, C.-I. Bunea, P. Strauss (2024) Vineyard cover crop management strategies and their effect on soil properties across Europe. *EUROPEAN JOURNAL OF SOIL SCIENCE* 75(5), e13573. <https://doi.org/10.1111>
- B. Giffard, S. Winter, S. Guidoni, **A. Nicolai**, S. Bacher, M. Castaldini, D. Cluzeau, P. Coll, J. Cortet, E. Le Cadre, G. d'Errico, A. Forneck, E. Gagnarli, M. Griesser, M. Guernion, A. Lagomarsino, S. Landi, Y. Le Bissonnais, E. Mania, S. Mocali, C. Preda, S. Priori, A. Reineke, A. Rusch, H.-J. Schroers, S. Simoni, M. Steiner, E. Temneanu, E. A.C. Costantini, J. Zaller, I. Leyer (2022) Vineyard management and its impacts on soil biodiversity, soil functions and ecosystem services: a review. *FRONTIERS IN ECOLOGY AND EVOLUTION* 10: 850272, <https://doi.org/10.3389/fevo.2022.850272>

- M.E.T Hervé, M. Renault, E. Plaas, R. Schuette, M. Potthoff, G. Pérès, **A. Nicolai** (2021) How does soil biota matter in soil management in Europe? Exploring temporal dynamics and situation dependence in valuation processes. INTERNATIONAL JOURNAL OF AGRICULTURAL SUSTAINABILITY, 10.1080/14735903.2021.1964260
- C. Monard, J-P. Caudal, D. Cluzeau, J-L. Le Garrec, E. Hellequin, K. Hoeffner, G. Humbert, V. Jung, C. Le Lann, **A. Nicolai** (2021) Short-term temporal dynamics of VOCs emissions by soils from different biotopes. FRONTIERS IN ENVIRONMENTAL SCIENCE 9: DOI=10.3389/fenvs.2021.650701
- K. Hoeffner, L. F. Arias-Giraldo, M. Banse, A. Beylich, A. Chabbi, D. Cluzeau, D. Dascalu, M-L. Decau, U. Graefe, G. Guzmán, V. Hallaire, J. Hanisch, B. B. Landa, D. Linsler, S. Menasseri, **A. Nicolai**, M. Öpik, E. Plaas, M. Potthoff, T. Roslin, M. Roucaute, T. Runge, M. Sandor, S. Scheu, R. M. Schmelz, I. Schmoock, S. Schrader, S. Kaarel Sepp, T. Vahter, G. Pérès (2021) : Legacy effects of temporary grassland in annual crop rotation on soil ecosystem services. SCIENCE OF THE TOTAL ENVIRONMENT, 780 : 146140
- M. Biddoccu, G. Guzmán, G. Capello, T. Thielke , P. Strauss , S. Winter, J.G. Zaller, **A. Nicolai**, D. Cluzeau, D. Popescu, C. Bunea, A.Hoble, E. Cavallo, J.A. Gómez (2020) Evaluation of soil erosion risk and identification of soil cover and management factor (C) for RUSLE in European vineyards with different soil management. INTERNATIONAL SOIL AND WATER CONSERVATION RESEARCH, <https://doi.org/10.1016/j.iswcr.2020.07.003>
- M.E.T Hervé, M. Renault, E. Plaas, M. Potthoff, D. Cluzeau, **A. Nicolai** (2020) From practices to values: farmers' relationship with their soils in Europe. SOCIOLOGIA RURALIS, DOI: 10.1111/soru.12303
- M.E.T. Hervé, P. Boudes, C. Cieslik, D. Montembault, V. Jung, F. Burel, D. Cluzeau, S. Winter, **A. Nicolai** (2020b) Landscape complexity perception and representation in a viticultural designation of the Loire Valley (France): a cultural ecosystem service ? RENEWABLE AGRICULTURE AND FOOD SYSTEMS, 35(1): 77-89, <https://doi.org/10.1017/S1742170518000273>
- A. Nicolai**, Guernion M, Guillocheau S, Hoeffner K, Le Gouar P, Ménard N, Piscart C, Vallet D, Hervé MET, Benezeth E, Chedanne H, Blémus J, Vernon P, Cylly D, Hotte H, Lois G, Mai B, Perez G, Ouisse T, Monard C, Wiegand C, Caudal J-P, Butet A, Dahirel M, Barbe L, Balbi M, Briand V, Bormans M, Charrier M, Bouger G, Jung V, Le Lann C, Pannard A, Petillon J, Rantier Y, Marguerie D, Tougeron K, Devogel P, Dugravot S, Dubos T, Garrin M, Carnet M, Gouraud C, Chambet A, Esnault J, Poupelin M, Welk E, Bütof A, Dubois GF, Humbert G, Marie-Réau O, Norvez O, Richard G, Froger B, Rochais C, Potthoff M, Ayati K, Bellido A, Rissel A, Santonja M, Farcy J-O, Collias E, Sene L, Cluzeau D, Supper R (2020) Transdisciplinary Bioblitz: Rapid biotic and abiotic inventory allows studying environmental changes over 60 years at the Biological Field Station of Paimpont (Brittany, France) and opens new interdisciplinary research opportunities. BIODIVERSITY DATA JOURNAL 8: e50451. <https://doi.org/10.3897/BDJ.8.e50451>
- A. Nicolai**, Forsyth RG (2020) Introduced *Prophysaon andersonii* (J.G. Cooper, 1872) in Quebec, Canada: first record of *Prophysaon* (Gastropoda, Eupulmonata, Arionoidea) in eastern North America, confirmed by partial-COI gene sequence. CHECK LIST 16(2): 307-316. <https://doi.org/10.15560/16.2.307>
- R.M. Hall, J. Zaller, F. Burel, S. Winter, L. Angel, J. A. Gomez Calero, A. Fertil, S. Chollet, A. Hoble, N. Penke, S. Kratschmer, **A. Nicolai**, R. Sánchez-Cuesta, G. Guzmán, D. Popescu, C.-I. Bunea, M. Guernion, V. Jung, M. Kriechbaum (2020) Vegetation management intensity and landscape diversity alter plant species richness, functional traits and community composition across European vineyards. AGRICULTURAL SYSTEMS 77: 102706, <https://doi.org/10.1016/j.agsy.2019.102706>
- A. Nicolai**, R. Forsyth, M. Grantham, C. Hamel (2019) Tall grass prairie ecosystem management: a gastropod perspective. CANADIAN FIELD NATURALIST 133(4): 313-324, DOI: <http://dx.doi.org/10.22621/cfn.v133i4.2217>
- T. Hoxha, S. Crookes, I. MacIsaac, X. Chang, M. Johansson, J. T.A. Dick, **A. Nicolai**, H. J. MacIsaac (2019) Feeding behaviour of native and introduced terrestrial snails tracks their ecological impacts. NEOBIOTA 47: 81-94, <https://doi.org/10.3897/neobiota.47.35000>
- A. Nicolai**, R.G. Forsyth (2019) First record of *Vallonia costata* (Müller, 1774) (Gastropoda, Valloniidae) from British Columbia, Canada, confirmed by COI gene sequence. CHECK LIST 15 (2): 000-000, <https://doi.org/10.15560/15.2.000>
- S. Kratschmer, B. Pachinger, M. Schwantzer, D. Paredes, G. Guzmán, J. Gómez, J. Entrenas, M. Guernion, F. Burel, **A. Nicolai**, A. Fertil, D. Popescu, L. Macavei, A. Hoble, C. Bunea, M. Kriechbaum, J. Zaller, S. Winter (2019)

Response of wild bee diversity, abundance and functional traits to vineyard inter-row management intensity and landscape diversity across Europe. *ECOLOGY & EVOLUTION*, 1-13, DOI:10.1002/ece3.5039

- K.K.S. Layton, C.P.K. Warne, **A. Nicolai**, A. Ansart, J.R. deWaard (2019) Molecular evidence for multiple introductions of the banded grove snail (*Cepaea nemoralis*) in North America. *CANADIAN JOURNAL OF ZOOLOGY*, <https://doi.org/10.1139/cjz-2018-0084>
- S. Kratschmer, B. Pachinger, M. Schwantzer, D. Paredes, M. Guernion, F. Burel, **A. Nicolai**, P. Strauß, T. Bauer, M. Kriechbaum, J. G. Zaller, S. Winter (2018) Tillage intensity or landscape features: What matters most for wild bee diversity in vineyards? *AGRICULTURE, ECOSYSTEMS & ENVIRONMENT* 266 : 142–152
- R.G. Forsyth, **A. Nicolai** (2018) *Guppya sterkii* (Dall, 1888) (Gastropoda, Eupulmonata, Euconulidae) in eastern Ontario. *CHECK LIST* 14 (0) 000–000. <https://doi.org/10.15560/00.0.000>
- A. Nicolai**, A. Ansart (2017) Conservation at a slow pace: Terrestrial gastropods facing fast changing climate. *CONSERVATION PHYSIOLOGY* 5(1), pp.007. DOI : <https://doi.org/10.1093/conphys/cox007>
- D.F. McAlpine, D.A.W. Lepitzki, F.W. Schueler, F.J.T. McAlpine, A. Hebda, R.G. Forsyth, **A. Nicolai**, J.E. Maunder, R.G. Noseworthy (2016) Occurrence of the Chinese mystery snail, *Cipangopaludina chinensis* (Gray, 1834) (Mollusca: Viviparidae) in the Saint John River system, New Brunswick, with review of status in Atlantic Canada. *BIOINVASION RECORDS* 5(3): 149-154
- K.K.S. Layton, J.R. deWaard, S.L. deWaard, M.R. Young, K. d'Souza, **A. Nicolai** (2015) DNA barcoding on the slime trail: The Canadian invasion of the terrestrial gastropod *Cepaea nemoralis* (Stylommatophora: Helicidae) and new perspectives for studying threatened species. *GENOME* 58(5): 163-303.
- H.A. MacMillan, L.V. Ferguson, **A. Nicolai**, A. Donini, J.F. Staples, B.J. Sinclair (2015) Parallel ionoregulatory adjustments underlie phenotypic plasticity and evolution of *Drosophila* cold tolerance. *JOURNAL OF EXPERIMENTAL BIOLOGY* 218: 423-432
- A. Telfer, M. Young, J. Quinn, K. Perez, C. Sobel, J. Sones, V. Levesque-Beaudin, R. Derbyshire, J. Fernandez-Triana, R. Rougerie, A. Thevanayagam, A. Boskovic, A. Borisenko, A. Cadel, A. Brown, A. Pages, A. Castillo, **A. Nicolai**, B. Glenn Mockford, B. Bukowski, B. Wilson, B. Trojahn, C. Lacroix, C. Brimblecombe, C. Hay, C. Ho, C. Steinke, C. Warne, C. Garrido Cortes, D. Engelking, D. Wright, D. Lijtmaer, D. Gascoigne, D. Hernandez Martich, D. Morningstar, D. Neumann, D. Steinke, D. Marco DeBruin, D. Dobias, E. Sears, E. Richard, E. Damstra, E. Zakharov, F. Laberge, G. Collins, G. Blagoev, G. Grainge, G. Ansell, G. Meredith, I. Hogg, J. McKeown, J. Topan, J. Bracey, J. Guenther, J. Sills-Gilligan, J. Addesi, J. Persi, K. Layton, K. D'Souza, K. Dorji, K. Grundy, K. Nghidinwa, K. Ronnenberg, K. Lee, L. Xie, L. Lu, L. Penev, M. Gonzalez, M. Rosati, M. Kekkonen, M. Kuzmina, M. Iskandar, M. Mutanen, M. Fatahi, M. Pentinsaari, M. Bauman, N. Nikolova, N. Ivanova, N. Jones, N. Weerasuriya, N. Monkhouse, P. Lavinia, P. Jannetta, P. Hanisch, R. McMullin, R. Ojeda Flores, R. Mouttet, R. Vender, R. Labbee, R. Forsyth, R. Lauder, R. Dickson, R. Kroft, S. Miller, S. MacDonald, S. Panthi, S. Pedersen, S. Sobek-Swant, S. Naik, T. Lipinskaya, T. Eagalle, T. Decaëns, T. Kosuth, T. Braukmann, T. Woodcock, T. Roslin, T. Zammit, V. Campbell, V. Dinca, V. Peneva, P. Hebert, J. deWaard (2015) Biodiversity inventories in high gear: DNA barcoding facilitates a rapid biotic survey of a temperate nature reserve. *BIODIVERSITY DATA JOURNAL* 3: e6313. doi: 10.3897/BDJ.3.e6313
- A. Nicolai**, C. Rouland-Lefèvre, A. Ansart, J. Filser, R. Lenz, A. Pando, M. Charrier. (2015) Seasonal dynamic of the bacterial gut community in three populations of the endangered land snail *Helix pomatia*. *MALACOLOGIA* 59(1): 177-190
- C.M. Williams, L.V. Ferguson, **A. Nicolai**, M. Bernards, J.J. Hellman, B.J. Sinclair (2014) Cold hardiness and plasticity of overwintering *Papilio zelicaon* pupae. *COMPARATIVE PHYSIOLOGY AND BIOCHEMISTRY A*, 178: 51-58
- A. Nicolai**, P. Vernon, R. Lenz, J. Le Lannic, V. Briand, M. Charrier. (2013) Well wrapped eggs: effects of egg shell structure on heat resistance and hatchling mass in the invasive land snail *Cornu aspersum*. *JOURNAL OF EXPERIMENTAL ZOOLOGY A*, 319(2): 63-73

- A. Nicolai**, J. Filser, R. Lenz, V. Briand, M. Charrier. (2012) The composition of body storage compounds influences egg quality and the reproductive investment in the land snail *Cornu aspersum*. CANADIAN JOURNAL OF ZOOLOGY, 90(9): 1161-1170
- A. Nicolai**, J. Filser, R. Lenz, C. Bertrand, M. Charrier. (2012) Quantitative assessment of haemolymph metabolites in respect to the physiological state in two populations of the land snail *Helix pomatia*. PHYSIOLOGICAL AND BIOCHEMICAL ZOOLOGY 83 (3) : 274-284
- A. Nicolai**, J. Filser, R. Lenz, C. Bertrand, M. Charrier. (2011) Adjustment of metabolite composition in the haemolymph to seasonal variations in the land snail *Helix pomatia*. JOURNAL OF COMPARATIVE PHYSIOLOGY B 181 : 457-466
- A. Nicolai**, J. Filser, V. Briand, M. Charrier. (2010) Seasonally contrasting life history strategies in the land snail *Cornu aspersum*: physiological and ecological implications. CANADIAN JOURNAL OF ZOOLOGY 88 : 995-1002
- A. Ansart, **A. Nicolai**, P. Vernon, L. Madec. (2010) Do ice nucleating agents limit the supercooling ability of the land snail *Cornu aspersum*? CRYOLETTERS 31 (4) : 329-340
- A. Nicolai**, P. Vernon, M. Lee, A. Ansart, M. Charrier. (2005) Supercooling ability in two populations of the land snail *Helix pomatia* (Gastropoda: Helicidae) and ice-nucleating activity of gut bacteria. CRYOBIOLOGY 50 : 48-57

Publications that are submitted or currently in preparation

- M.E.T Hervé, M. Renault, E. Plaas, M. Potthoff, G. Pérès, D. Cluzeau, **A. Nicolai** (in preparation) Forming values and managing soils in Europe: insights from the valuating milieux in France and Romania.
- A. Nicolai**, L. Ferguson, M. Bernards, B. J. Sinclair (in preparation) Prolonged cold exposure drives a switch from freeze tolerance to freeze avoidance in the land snail *Cepaea nemoralis*.

Other publications

- COSEWIC [writer: **A. Nicolai**] (submitted) COSEWIC Status Report on the Bronze Pinecone *Strobilops aenus*
- COSEWIC [writer: **A. Nicolai**] (submitted) COSEWIC Status Report on the Globose Dome *Ventridens ligera* and Pyramid Dome *Ventridens intertextus*
- COSEWIC [writer: **A. Nicolai**] (in revision) COSEWIC Status Report on the Bigtooth Whitelip *Neohelix dentifera*
- COSEWIC [writer: **A. Nicolai**] (in revision) COSEWIC Status Report on the Domed Disc *Discus patulus*
- A. Nicolai**, O. Norvez, R. Supper (2019b). Sbp-BioBlitz2017_60years-BiodiversityData. Biological Field Station of Paimpont, University Rennes 1. Occurrence dataset, <https://doi.org/10.15468/jgnjsa> accessed via GBIF.org
- R.G. Forsyth, **A. Nicolai** (2018). Robert Forsyth Terrestrial Gastropods Collection. New Brunswick Museum. Occurrence dataset, <https://doi.org/10.5886/bddwaa> accessed via GBIF.org
- COSEWIC [writer: **A. Nicolai**] (2019) COSEWIC assessment and status report on the Toothed Globe *Mesodon zaletus*. Environment Canada. x + 38 pp.
- COSEWIC [writer: **A. Nicolai**] (2019) COSEWIC assessment and status report on the Shagreen *Inflectarius inflectus* in Canada. Environment Canada. x + 51 pp.
- COSEWIC [writer: **A. Nicolai**] (2019) COSEWIC assessment and status report on the Carolina Mantleslug *Philomycus carolinianus* in Canada. Environment Canada. x + 54 pp.
- S. Wyshynski, A.R. Eads and **A. Nicolai** (2019) Recovery Strategy for the Eastern Banded Tigersnail *Anguispira kochi* in Ontario. Ontario Recovery Strategy Series. Prepared for the Ministry of the Environment, Conservation and Parks, Peterborough, Ontario. v + 29 pp.
- S. Wyshynski and **A. Nicolai** (2018) Recovery Strategy for the Proud Globelet *Patera pennsylvanica* in Ontario. Ontario Recovery Strategy Series. Prepared for the Ministry of the Environment, Conservation and Parks, Peterborough, Ontario. vi + 32 pp.
- COSEWIC [writer: **A. Nicolai**] (2018) COSEWIC Status Report on the land snail Striped Whitelip *Webbhelix multilineata*. Environment Canada
- COSEWIC [writers: **A. Nicolai**, K. Ovaska] (2017) COSEWIC Status Report on the land snail Banded Tigersnail *Anguispira kochi*. Environment Canada, pp. 94
- Plaas, E., Hervé, M., Guernion, M., **Nicolai, A.**, Cluzeau, D., Bergmann, H. (2017). Zurück zu grünen Weinbergen? Werden positive Effekte für die Bodenbiodiversität auch die Erlöse der Winzer steigern? Schriften der

Gesellschaft für Wirtschafts- und Sozialwissenschaften des Landbaues e.V., Bd.53, 2018. ISBN: 978-3-7843-5594-8

- CESCC (Canadian Endangered Species Conservation Council) [A. Nicolai as contributor]. 2016. Wild Species 2015: The General Status of Species in Canada. National General Status Working Group: 128 pp.
- COSEWIC [writers: A. Nicolai, M. J. Oldham] (2015) COSEWIC Status Report on the land snail Proud Globelet *Patera pennsylvanica*. Environment Canada, pp. 46
- COSEWIC [Writers: Foster R., Alan H., Oldham M.J., Nicolai A.] (2014) Status Report on the Broad-banded Forestsnail *Allogona profunda*. Committee on the Status of Endangered Wildlife in Canada. Ottawa. xi + 53 pp
- M. Charrier*, A. Nicolai*, M-P. Dabard, A. Crave. (2012) Plan National d'Actions de *Tyrrhenaria ceratina*, escargot terrestre endémique de Corse. NATIONAL RECOVERY PLAN, Ed. Ministry of Ecology, Energy, Sustainable Development and the Ocean (*contributed equally)
- A. Nicolai. (2010) The impact of diet treatment on reproduction and thermo-physiological processes in the land snails *Cornu aspersum* and *Helix pomatia*. JOINT-SUPERVISION PHD THESIS University Rennes 1, France / University Bremen, Germany, <http://nbn-resolving.de/urn:nbn:de:gbv:46-00101662-14>
- A. Nicolai, R. Lenz. (2007) Weinbergschnecken zucht auf der Schwäbischen Alb – ein Beitrag zur Regionalentwicklung. HORIZONTE 30 : 3-4
- A. Nicolai, R. Lenz. (2006) Die "Albschneck®"-Zucht auf der Schwäbischen Alb. ©Interessengemeinschaft Albschneck, SNAIL FARMING INSTRUCTION MANUAL, Ed. Region Aktiv, Baden-Württemberg, Germany
- L. Williams*, A. Nicolai*. (2005) Monitoring of rare species 2005 and study of tourism impact in the Nalychevo Nature Reserve. RESEARCH REPORT, WWF Russia (*contributed equally)

Invited seminars

- A. Nicolai (2016) Landscape in the vineyard AOC Coteaux du Layon – a cultural ecosystem service? University of Economy and Environment Nürtingen, Germany
- A. Nicolai (2015) Land snails in a changing climate. Jagiellonian University Krakow, Poland
- A. Nicolai (2015) Local Production for Global Biodiversity Protection. NOVANCIA Business School, Paris
- A. Nicolai (2014) Slowly Invasive or Endangered? Mechanisms underlying changes in biodiversity of terrestrial gastropods. Biodiversity Institute of Ontario, University Guelph, Ontario, Canada
- A. Nicolai (2012) Slow Conservation: Saving snails for biodiversity and dinner. Department of Biology, Western University, London, Ontario, Canada
- A. Nicolai (2009) Einfluss der Ernährung auf Fortpflanzung und thermo-physiologische Prozesse bei der Landschnecke *Helix pomatia* und *Cornu aspersum*. DBU, Allemagne
- A. Nicolai (2006) Einfluss der Ernährung auf Fortpflanzung und thermo-physiologische Prozesse bei der Landschnecke *Helix pomatia* und Weinbergschnecken zucht als Beitrag zur regionalen nachhaltigen Entwicklung auf der Schwäbischen Alb. Universität Bremen, Allemagne

Congress communications

- M.E.T Hervé*, C. Agasse, M. Renault, E. Plaas, M. Potthoff, G. Peres, D. Cluzeau, A. Nicolai* (2019) Integration of value plurality in the definition of soil management strategy by European farmers. CONFERENCE ON SOIL BIOTA DRIVEN ECOSYSTEM SERVICES IN EUROPEAN AGRICULTURE, Braunschweig, Germany (* main authors and speakers)
- A. Nicolai, Norvez O., Cluzeau D., Beenarts N., Cerda X., Sansregret H., Pelechaty M., Struminger R., Zarestky J., Cieslik C., Julliard R., Langlais A., Plaas E., Berthold E., Renault M., Atlan A., Luneau A., Witters N., Neyens T., Molleman F., Bejarano Bella J.F., Collias E., McNulty S., R. Supper (2019) Biological Field Station Science for Society (BFS³) - Co-design framework for socio-ecological research in BFSs. Annual OBFS Meeting, Hasselt, Belgium (*invited speaker*)
- S. Kratschmer*, B. Pachinger, M. Schwantzer, D. Paredes, G. Guzmán, J. A. Gómez, J. A. Entrenas, M. Guernion, F. Burel, A. Nicolai, A. Fertil, D. Popescu, L. Macavei, A. Hoble, C. Bunea, M. Kriechbaum, J. G. Zaller, S. Winter (2019) Effects of vineyard inter-row management intensity and landscape diversity on wild bee diversity, abundance and functional traits across Europe. Geophysical Research Abstracts 21 : EGU2019-6875, Vienna, Austria (* main author and speaker)

- A. Nicolai***, M. Guérnion, R. Supper (2018) Transdisciplinary BioBlitz project at the Biological Field Station of Paimpont opens new research opportunities. International Conference on Ecological Sciences, Rennes (* *main author and speaker*)
- M. E.T. Hervé*, M. Renault, E. Plaas, H. Bergmann, T. Runge, M. Potthoff, D. Cluzeau, **A. Nicolai** (2018). Plural values associated with soil biodiversity among farmers in Europe. 15TH CONGRESS OF THE INTERNATIONAL SOCIETY FOR ECOLOGICAL ECONOMICS, Puebla, Mexico/ INTERNATIONAL CONFERENCE ON ECOLOGICAL SCIENCES, Rennes, France (* *main author and speaker*)
- Langlais A., Hervé M., **Nicolai A.**, Renault M. (2018) Services écosystémiques et évaluation des services environnementaux. JOURNEE INTERDISCIPLINAIRE : GESTION DURABLE DES RESSOURCES NATURELLES ET DES TERRITOIRES, Rennes, France (*invited speakers*)
- A. Nicolai**, M. Renault (2018). Ecosystem services driven by the diversity of soil biota (Biodiversa SoilMan). ATELIER INTERNATIONAL HOMMES-MILIEUX. Quelles perspectives méthodologiques interdisciplinaires pour mieux "travailler ensemble"?, Rennes, France (*invited speakers*)
- J. A. Gomez*, M. Biddoccu, G. Guzmán, P. Strauss, **A. Nicolai**, D. Popescou, C. Bunea, S. Winter, J. Zaller, E. Cavallo (2018) Determination of soil cover and management factor (C) for RUSLE and evaluation of erosion risk in vineyards at five vine growing regions across Europe with different soil management intensities. EGU, Vienna, Austria (* *main author and speaker*)
- A. Nicolai***, M.E.T. Hervé, G. Guzman, A. Hoble, C. Gregorich, D. Cluzeau, S. Winter (2018) Does complexity improve viticulture landscape aesthetics? A comparison between different perceptions across Europe. INTERNATIONAL CONFERENCE ON ECOLOGICAL SCIENCES, Rennes, France (* *main author and speaker*)
- A. Hoble, C. Bunea, D. Popescus, D. Cluzeau, F. Burel, M. Guernion, **A. Nicolai**, A. Fertil, S. Winter, S. Kratschmer, J. Zaller, G. Guzman (2018) The perception of viticultural landscapes as a method of promoting and supporting local economic activities through multifunctional landscapes. International Conference of the University of Agronomic Sciences and Veterinary Medicine of Bucharest, "Agriculture for Life, Life for Agriculture", Bucharest, Romania
- Plaas, E., Hervé, M., Guernion, M., **Nicolai, A.**, Cluzeau, D., Bergmann, H. (2017). Zurück zu grünen Weinbergen? Werden positive Effekte für die Bodenbiodiversität auch die Erlöse der Winzer steigern? Schriften der Gesellschaft für Wirtschafts- und Sozialwissenschaften des Landbaues e.V., Bd.53, 2018. ISBN: 978-3-7843-5594-8
- J. Zaller*, J. Buchholz, P. Querner, D. Paredes, S. Kratschmer, M. Schwantzer, S. Winter, P. Strauss, T. Bauer, F. Burel, M. Guernion, J. Scimia, **A. Nicolai**, D. Cluzeau (2017) Response of soil biota to vineyard interrow soil cultivation can be altered by the surrounding landscape. EGU, Vienna, Austria (* *main author and speaker*)
- T. Bauer*, P. Strauss, M. Kumpan, G. Guzmán, J. A. Gómez, K. Stiper, D. Popescou, M. Guernion, **A. Nicolai**, S. Winter, J. G. Zaller (2017) Effects of inter row management intensity on soil physical properties in European vineyards. EGU, Vienna, Austria (* *main author and speaker*)
- M. Hervé*, S. Kratschmer, C. Gregorich, S. Winter, D. Montembault, J. G. Zaller, M. Guernion, V. Jung, R. Schuette, D. Paredes, G. Guzman Diaz, J. M. Cabezas Luque, A. Hoble, D. Popescu, F. Burel, D. Cluzeau, H. Bergmann, M. Potthoff, and **A. Nicolai** (2017) Can vineyard biodiversity be beneficial for viticulture and tourism? EGU, Vienna, Austria (* *main author and speaker*)
- S. Kratschmer*, B. Pachinger, D. Paredes, G. Guzmán, M. Guernion, **A. Nicolai**, A. Fertil, D. Popescu, L. Macavei, J. G. Zaller, S. Winter (2017) Wild bee diversity and functional traits are affected by inter-row management intensity in vineyards across Europe. Joint meeting of GfÖ + BES, Ghent, Suisse (* *main author and speaker*)
- M. Hervé*, P. Boudes, C. Cieslik, D. Montembault, V. Jung, F. Burel, D. Cluzeau, S. Winter, **A. Nicolai** (2017) Landscape complexity perception and presentation in a viticultural designation of the Loire Valley (France): a cultural ecosystem service? Rencontres Ecologie des paysages, Toulouse, France (* *main author and speaker*)
- M. Hervé*, S. Kratschmer, C. Gregorich, S. Winter, D. Montembault, J. G. Zaller, M. Guernion, V. Jung, R. Schuette, D. Paredes, G. Guzman Diaz, J. M. Cabezas Luque, A. Hoble, D. Popescu, F. Burel, D. Cluzeau, H. Bergmann, M. Potthoff, and **A. Nicolai** (2017) Can vineyard biodiversity be beneficial for viticulture and tourism? EGU, Vienna, Austria (* *main author and speaker*)
- Potthoff M.*, Pérès G., Taylor A., Scradler S., Landa B., **Nicolai A.**, Sandor M., Öptik M., Guzmán G., Bergmann H., Cluzeau D., Banse M., Bengtsson J., Guernion M., Zaller J., Roslin T., Scheu S., Gómez Calero J-A., Schmoock I., Linsler

- D., and all collaborators (2017) Ecosystem services driven by the diversity of soil biota – understanding and management in agriculture. EGU, Vienna, Austria. (* main author and speaker)
- A. Nicolai**, A. Ansart (2016) Conservation at a slow pace: Terrestrial gastropods facing fast changing climate. SOCIETY FOR EXPERIMENTAL BIOLOGY ANNUAL MAIN MEETING, Brighton, United Kingdom (*invited speaker*)
- A. Nicolai**, M. Guernion, D. Cluzeau, J. Gómez, G. Guzmán, P. Strauss, D. Popescu, A. Hoble, C.-I. Bunea, M. Potthoff, H. Bergman, S. Winter, J.G. Zaller (2016) Ecosystem services and soil biodiversity in French vineyards. SETAC EUROPE 26TH ANNUAL MEETING, Nantes, France (*invited speaker*)
- A. Nicolai**, D. Cluzeau, A. Descotes, C. Georget, R. Chaussod, R. Nouaim-Chaussod, G. Peres, M. Guernion, D. Cylly, L. Rougé, O. Garcia, L. Panigai, D. Moncomble (2016) The soils of Champagne are alive. An assessment of socio-ecological co-evolution in viticulture using DPSIR framework. Geophysical Research Abstracts 18: EGU, Vienna, Austria
- S. Winter*, J.G. Zaller, S. Kratschmer, B. Pachinger, P. Strauss, T. Bauer, D. Paredes, J.A. Gomez, G. Guzman, B. Landa, **A. Nicolai**, F. Burel, D. Cluzeau, D. Popescu, C.-I. Bunea, M. Potthoff, M. Guernion, P. Batary (2016) How does vineyard management intensity affect ecosystem services and disservices - insight from a meta-analysis. Geophysical Research Abstracts 18: EGU, Vienna, Austria (* main author and speaker)
- S. Winter*, J.G. Zaller, T. Bauer, S. Kratschmer, D. Popescu, P. Strauss, D. Paredes, G. Guzmán, J.A. Gómez, B. Landa, **A. Nicolai**, M. Guernion, P. Batáry (2016) Effects of vineyard management intensity on biodiversity– insights from a meta-analysis. 46TH ANNUAL MEETING OF THE ECOLOGICAL SOCIETY OF GERMANY, AUSTRIA AND SWITZERLAND, Marburg, Germany (* main author and speaker)
- S. Kratschmer*, B. Pachinger, M. Schwantzer, D. Paredes, G. Guzmán, J.A. Entrenas, M. Guernion, F. Burel, **A. Nicolai**, J.G. Zaller, S. Winter (2016) Management intensity or landscape diversity: What matters most for wild bee diversity in wine-growing areas? 46TH ANNUAL MEETING OF THE ECOLOGICAL SOCIETY OF GERMANY, AUSTRIA AND SWITZERLAND, Marburg, Germany (* main author and speaker)
- A. Hoble*, D. Popescu, C.-I. Bunea, F. Burel, M. Guernion, **A. Nicolai**, A. Fertil, S. Winter, S. Kratschmer, J.G. Zaller, G. Guzmán, M. Potthoff (2016) Land cover typology using geographic information systems for viticultural landscape. THE 15TH INTERNATIONAL SYMPOSIUM “PROSPECTS FOR THE THIRD MILLENNIUM AGRICULTURE”, Cluj-Napoca, Romania (* main author and speaker)
- K.K.S. Layton, J.R. deWaard, S.L. deWaard, M.R. Young, K. d’Souza, **A. Nicolai** (2015) DNA barcoding on the slime trail: The Canadian invasion of the terrestrial gastropod *Cepaea nemoralis* (Stylommatophora: Helicidae) and new perspectives for studying threatened species. 6TH INTERNATIONAL BARCODE OF LIFE CONFERENCE, Guelph, Canada (in GENOME 58(5): 163-303)
- J.G. Zaller*, P. Strauss, T. Bauer, P. Querner, J. Buchholz, M. Kriechbaum, B. Pachinger, S. Kratschmer, J. Gómez, M. Campos, B. Landa, D. Paredes, D. Popescu, M. Comsa, M. L. Iliescu, L. L. Tomoiaga, C.-I. Bunea, A. Hoble, L.A. Marghitas, T. Rusu, Á. Lora, G. Guzmán, H. Bergmann, M. Potthoff, R. Schütte, D. Cluzeau, F. Burel, **A. Nicolai**, M. Guernion, V. Jung, S. Winter (2015) Interlinkages between biodiversity, ecosystem services and socio-economics in vineyards. 45TH ANNUAL MEETING OF GfÖ (Gesellschaft für Ökologie), Göttingen, Germany (* main author and speaker)
- A. Nicolai**, B. Sinclair (2013) Strategy switch of cold tolerance in the land snail *Cepaea nemoralis*. 5TH INTERNATIONAL SYMPOSIUM ON THE ENVIRONMENTAL PHYSIOLOGY OF ECTOTHERMS AND PLANTS, London, ON, Canada
- A. Nicolai**, B. Sinclair (2013) Prolonged cold exposure drives strategy switch in the land snail *Cepaea nemoralis*. ANNUAL MEETING OF THE CANADIAN SOCIETY OF ZOOLOGISTS, Guelph, ON, Canada
- A. Nicolai**, J. Filser, R. Lenz, C. Bertrand, M. Charrier. (2011) Adjustment of metabolite composition in the haemolymph to seasonal variations in the land snail *Helix pomatia*. 4TH INTERNATIONAL SYMPOSIUM ON THE ENVIRONMENTAL PHYSIOLOGY OF ECTOTHERMS AND PLANTS, Rennes, France
- A. Nicolai**, J. Filser, R. Lenz, C. Bertrand, M. Charrier. (2011) Metabolite composition in the haemolymph of the land snail *Helix pomatia*. SOCIETY FOR EXPERIMENTAL BIOLOGY ANNUAL MAIN MEETING, Glasgow, United Kingdom
- A. Nicolai**. Cold and heat resistance in *Cornu aspersum*. (2009) CONGRES NATIONAL EN HELICULTURE, Ile de Ré
- R. Lenz*, **A. Nicolai**. The roman snail as a member of the Ark of Taste of SLOW FOOD. (2008) TERRA MADRE, Turin, Italy (* main author and speaker)

A. Nicolai, P. Vernon, A. Ansart, M. Lee, M. Charrier*. (2003) Eco-physiological research in *Helix pomatia*: Supercooling capacity and potential role of intestinal bacteria as ice-nucleating agents. 3rd INTERNATIONAL CONGRESS OF EUROPEAN SOCIETIES OF MALACOLGY, La Rochelle (* speaker)

Posters

- M. E.T. Hervé, M. Renault, D. Cluzeau, M. Potthoff, R. Schuette, E. Plaas, A. Nicolai (2019) Implementing the valuating framework to investigate soils and soil biota values in Europe. CONFERENCE ON SOIL BIOTA DRIVEN ECOSYSTEM SERVICES IN EUROPEAN AGRICULTURE, Braunschweig, Germany; ANNUAL MEETING OF THE ECOLOGICAL SOCIETY OF GERMANY, Münster, Germany
- G. Guzmán, J. M. Cabezas, G. Alcalá, J. A. Entrenas, M. Guernion, M. Hervé, **A. Nicolai**, M. A. Pérez-Nieto, J. A. Gómez (2019) Landscape elements, field evaluation and perception of stakeholders of the Appellation of Origin “Montilla-Moriles”. GEOPHYSICAL RESEARCH ABSTRACTS 21 : EGU2019-11164, Vienna, Austria
- A. Nicolai**, A. Schermann, C. Piscart (2018) First Bioblitz on a French campus: Rapid biotic and abiotic inventory at Campus Beaulieu of the University Rennes. INTERNATIONAL CONFERENCE ON ECOLOGICAL SCIENCES, Rennes, France.
- M. E.T. Hervé, **A. Nicolai**, M. Renault, H. Bergmann, T. Runge, D. Cluzeau, M. Potthoff, G. Pérès, E. Plaas (2018). National specific production systems may induce different perceptions of management impacts on soil biodiversity functions: comparison of five European countries. INTERNATIONAL CONFERENCE ON ECOLOGICAL SCIENCES, Rennes, France.
- A. Pflugstmann, J. Buchholz, P. Querner, D. Paredes, S. Kratschmer, S. Winter, P. Strauss, F. Burel, M. Guernion, **A. Nicolai**, D. Cluzeau, J. G. Zaller (2018) Effect of tillage intensities on predator-prey interactions in vineyards from different landscapes: the case of spiders and springtails. EGU, Vienna, Austria
- E. Plaas, **A. Nicolai**, M. E.T. Hervé, M. Guernion, K. Hoeffner, S. Winter, D. Cluzeau, H. Bergmann (2018). Effects on inter row soil cultivation in French vineyards – benefits for earthworms and economic implications. INTERNATIONAL CONFERENCE ON ECOLOGICAL SCIENCES, Rennes, France/XIth INTERNATIONAL SYMPOSIUM ON EARTHWORM ECOLOGY (ISEE), Shanghai, China
- E. Plaas, M. Guernion, D. Cluzeau, **A. Nicolai**, M. Hervé, H. Bergmann (2017) Effects Of Inter Row Soil Cultivation In French Vineyards – Economic And Environmental Benefits. EAAE XVth CONGRESS, Parma, Italy
- M. Guernion, K. Hoeffner, S. Guillocheau, H. Hotte, D. Cylly, D. Piron, D. Cluzeau, M. Hervé, **A. Nicolai** and G. Pérès (2017) When citizens and scientists work together : a french collaborative science network on earthworm communities distribution. Geophysical Research Abstracts 19 : EGU, Vienna, Austria
- C. Briard, **A. Nicolai**, P. Le Gouar, J-P. Qiu, M. Guernion, L. Rougé, G. Peres, D. Cluzeau (2016) Molecular phylogeny of the six most common European Lumbricus species. INTERNATIONAL OLIGOCHAETE TAXONOMY MEETING, Paimpont, France
- A. Nicolai**, M. Guernion, A. Fertil, D. Cluzeau, F. Burel, V. Jung, S. Chollet, S. Kratschmer, S. Winter, J.G. Zaller (2016) Is Coteaux du Layon (France) vineyards a good place for Biodiversity? 46th ANNUAL MEETING OF THE ECOLOGICAL SOCIETY OF GERMANY, AUSTRIA AND SWITZERLAND, Marburg, Germany
- A. Nicolai**, M. Guernion, A. Fertil, D. Cluzeau, F. Burel, V. Jung, S. Kratschmer, A. Hoble, S. Winter, J.G. Zaller (2016) Biodiversity-based ecosystem services in vineyards: VineDivers project across Europe. SFÉCOLOGIE, Marseille, France
- A. Hoble, C.-I. Bunea, D. Popescu, D. Cluzeau, F. Burel, M. Guernion, **A. Nicolai**, A. Fertil, S. Winter, S. Kratschmer, J.G. Zaller, G. Guzmán (2016) The perception of land reclamation within viticultural landscapes as a method of promoting and supporting local economic activities. THE 15th INTERNATIONAL SYMPOSIUM “PROSPECTS FOR THE THIRD MILLENNIUM AGRICULTURE”, Cluj-Napoca, Romania
- S. Winter, J. G. Zaller, P. Strauss, T. Bauer, P. Querner, B. Pachinger, S. Kratschmer, M. Kriechbaum, J.A. Gómez, B. Landa, Á. Lora, G. Guzmán, D. Paredes, D. Popescu, M. Comsa, C.-I. Bunea, A. Hoble, H. Bergmann, M. Potthoff, E. Plaas, R. Schütte, D. Cluzeau, F. Burel, **A. Nicolai**, M. Guernion, V. Jung (2015) Biodiversity-based ecosystem services in vineyards. In: 17th EUROPEAN WEED RESEARCH SOCIETY SYMPOSIUM, Montpellier SupAgro EWRS 2015 Proceedings, Montpellier, France
- S. Kratschmer, B. Pachinger, D. Paredes, G. Guzmán, **A. Nicolai**, M. Favreau, D. Popescu, C. Bunea, T. Florian, S. Winter (2015) Effects of inter-row management intensity on wild bees in Austrian, Spanish, French and Romanian vineyards. 108th ANNUAL MEETING OF DZG (Deutsche Zoologische Gesellschaft), Graz, Austria
- A. Nicolai**, S. Fournier, V. Briard, M. Charrier. (2007) The allocation of energy to reproductive success in *Cornu aspersum* before and after hibernation. INTERNATIONAL CONGRESS OF MALACOLGY, Antwerpian, Belgium

Round tables, webinaires, workshops

- A. Nicolai (2020)** BioBlitz at the Biological Field Station Paimpont – a data paper from citizen science. Webinaire du workshop MITI (CNRS) organized by Stéphane Renault: Data paper - An incentive to valorise and re-use datasets.
- A. Nicolai (2020)** Science participative co-construite à la Station Biologique de Paimpont. Journée table ronde et ateliers science-société de LTSER Brest-Iroise organisée par Adélie Pomade et Esther Régnier: L'engagement citoyen en science participative.

Scientific outreach

- A. Nicolai, B. Le Barbier (2020)** Les facettes de la biodiversité en Brocéliande. Exposition. Communauté de Commune de Brocéliande, France
- A. Nicolai, B. Le Barbier (2020)** La biodiversité en Brocéliande. Visite guidée de l'exposition « Les facettes de la biodiversité en Brocéliande ». Fête de la Science en Brocéliande, Treffendel, France
- A. Nicolai (2019)** Les valeurs de la biodiversité (cachée) dans le sol. Fête des Sciences en Brocéliande-Station Biologique de Paimpont, France
- A. Bellido, **A. Nicolai (2019)** Feu *versus* biodiversité. Fête des Sciences en Brocéliande-Station Biologique de Paimpont, France
- A. Nicolai (2019)** Le vignoble parle de son vin et de sa biodiversité. Café des Sciences en Brocéliande. Médiathèque de Monterfil
- A. Nicolai, M. Guernion, R. Supper (2018)** BioBlitz à la Station Biologique de Paimpont – un événement de science citoyenne, Conférence à l'Espace des Sciences, Rennes
- A. Nicolai, M. Hervé (2018)**. Le vignoble parle de son vin. Fête des Sciences en Brocéliande-Station Biologique de Paimpont, France
- A. Nicolai, M. Guernion, S. Winter (2017)** Services écosystémiques des paysages viticoles en Europe. Photo exhibition in different wine cellars 2017-2018, at Science Festival Brocéliande 2018, at International Ecology Congress Rennes, France 2018
- K. Hoeffner, S. Guillocheau, M. Guernion, **A. Nicolai**, A. Fertil, C. Coudel (2016) Soil Ecology. Interactive Exposition at „Festival des Sciences en Brocéliande“ in Paimpont, France
- M. Guernion, **A. Nicolai**, M. Hervé, A. Fertil, C. Coudel, A. Schneider (2016) Biodiversity and landscape diversity in vineyards. Interactive Exposition at “Pique-Nique chez le Vigneron” in Ambillou-Château, France
- R. Lenz, **A. Nicolai. (2007)** Albschneck® - Weinbergschnecken zucht auf der Schwäbischen Alb. SALON DE SLOW FOOD, Stuttgart, et EXPOSITION AGRICOLE REGIONALE, Münsingen, Allemagne
- R. Lenz, **A. Nicolai. (2006, 2007)** Ökologie der Weinbergschnecke und ihre Zucht auf der Schwäbischen Alb. MARCHÉ DE L'ARCHE DU GOÛT DE SLOW FOOD, Beurren, Allemagne