

**CV – Semen GABYSHEV (20/03/1974), Bulchut.metakar@yandex.com**

## **ÉLEVEUR DE RENNES ET CO-CHERCHEUR**

Né en Sibérie dans une famille d'éleveurs de rennes Evenki (un peuple autochtone minoritaire) et ayant acquis les savoirs écologiques complexes de mon peuple au cours de plus de 32 ans (en particulier, à travers la pratique de l'élevage de rennes), je me suis activement impliqué dans plusieurs projets scientifiques et d'enseignement depuis 2012. J'ai reçu l'Ordre des Palmes académiques en 2018.

Dans mes recherches, mon objectif est de montrer ce que peuvent apporter les riches savoirs et les observations détaillées des peuples autochtones arctiques sur notre environnement naturel, dans le contexte des changements climatiques et globaux, sous forme de science citoyenne et de projets participatifs, de nouvelles approches, données et analyses transdisciplinaires aux (jeunes) chercheurs en sciences sociales, sciences humaines et sciences de l'environnement.

## **REINDEER HERDER AND CO-RESEARCHER**

Born in Siberia into a family of Evenki reindeer herders (an indigenous people) and having acquired the complex ecological knowledge of my people over the course of more than 32 years (in particular, through the practice of reindeer herding), I have been actively involved in several scientific projects and teaching since 2012. I received the Order of Academic Palms in 2018.

In my research, my aim is to show how the rich knowledge and detailed observations of Arctic and subarctic indigenous peoples about our natural environment in the context of climate and global changes can bring, in the form of citizen science and participatory projects, new approaches, data, and transdisciplinary analyses to (young) researchers in the social sciences, humanities, and environmental sciences.

## **EXPERIENCE AS A CO-RESEARCH: 2012-2023**

### **DIPLOMS AND AWARDS**

**2018**

Named **Knight in the Order of Academic Palms [Chevalier dans l'Ordre des Palmes académiques]** for his "*leading contribution to strengthening cooperation and for services rendered to French culture*" (see annexes).

**2021-2022**

**MASTER 2 Arctic studies** (VAE), Paris-Saclay University – University of Versailles saint-Quentin (UVSQ). International jury: Jan BORM - Responsable du diplôme, Professeur des Universités (**France**) ; Alain SARKISSIAN - Physicien Hors Classe Professeur des Universités OVSQ (France) ; Professor Terry CALLAGHAN - Order of St Michael and St George (CMG), Professor of Arctic Ecology, School of Biosciences, The University of Sheffield, (**England**); Alona YEFIMENKO - Council Member, Polar Educators International (**Norway**) ; Yvon CSONKA - Member of the Swiss Polar Research Commission - founding member and former President of the International Arctic Social Sciences Association (**Switzerland**).

## PROJECTS

### I PARTICIPATE IN THE CURRENT PROJECTS:

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#### CEARC research centre: **Scientific Research Plan, 2020-2027.**

- Expert on indigenous knowledge for community-based observatories;
- Writing scientific articles;
- Participation in transdisciplinary workshops on environmental change.

#### CEARC and GEOPS research centres – project **PRISMARCTYC** (Permafrost Degradation Impacts on Soils, Human Societies, Water Resources and the Carbon Cycle), (**Belmont Forum**). 2021-2027.

- Co-design of the project;
- Expert on indigenous knowledge;
- Observation data analysis;
- Writing scientific articles;
- Co-creation of products of knowledge co-production;
- Transcriptions and translations from Evenki;
- Co-coordination of community-based observatories in Siberia;
- Participation in transdisciplinary workshops on environmental changes related to permafrost;
- Participation in the development of new transdisciplinary methodologies (indigenous knowledge, anthropology, geomorphology, hydrology);
- Dissemination of research to the broader public (adults and children);
- Participation in setting up new projects (ANR, EU, etc.).

#### CEARC research centre –**Institut Universitaire de France** project of Alexandra Lavrillier 2021-2026.

- Indigenous knowledge expert;
- Data analysis and writing;
- Writing scientific articles and book;
- Co-coordination of community-based observatories in Siberia;
- Co-creation of pedagogical material.

#### CEARC research centre - project **BRISK'S OBS ENV I & II** projects – Indigenous and Scientific Knowledge for OBServing ENVironmental changes (**French Polar Institute - IPEV**). 2018-2021, 2022-2025.

- Co-design of the project;
- Indigenous knowledge expert;
- Data analysis and writing;
- Writing scientific articles;
- Co-coordination of community-based observatories in Siberia.

### COMPLETED PROJECTS:

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#### CEARC and GRSL-EPHE research centres – project IEA (**CNRS-INSHS International Emerging Action, France-Russia**) with the Ethnographic Museum of St Petersburg. 2021-2022.

- Co-authoring scientific articles;
- Transcriptions and translations from Evenki about ritual practices and beliefs.

Research centre of Physical Geography LGP– project **SSAVOIRS – Science and Indigenous Knowledge on Rivers in Siberia** (PEPS CNRS-INEE). 2020-2021.

- Co-design of the project;
- Indigenous knowledge expert;
- Data analysis and writing;
- Participation in transdisciplinary workshops on environmental changes;
- Participation in the development of new transdisciplinary methodologies (indigenous knowledge, anthropology, hydrology).

CEARC and LATMOS research centres – project **Interdisciplinary Mission of CNRS (INSU-INEE-INSHS) – “Changes in Siberia”**. 2018.

- Participation in setting up the project;
- Data collection;
- Participation in transdisciplinary workshops on environmental change;
- Participation in the development of new transdisciplinary methodologies (indigenous knowledge, anthropology, atmospheric physics).

LATMOS research centre – project **EDU-ARCTIC**. 2016-2019.

- Constitution of lectures on the impacts of climate change on Siberian indigenous societies and the environment;
- Presentations at the final conference;
- Establishment of international collaboration on climate change observation.

CEARC (and LATMOS) research centre – project **PARCS** (funding CNRS/Chantier Arctique). 2016-2018.

- Participation in the initial design of the project, WP1;
- Constitution of the protocol of investigation and observation in eastern Siberia;
- Twice-daily observation according to scientific (SHS) and indigenous criteria;
- Data analysis;
- Transcription and translation of records in Evenki;
- Mapping.

CEARC research centre – project: **ERASMUS+ Russia** (EU funded) (IR of UVSQ, NEFU (Yakutsk), BSPU (Blagoveshchensk), MADI (Moscow)). 2018-2021.

- Lectures on TEK about climate changes and biodiversity ([see below](#)).

CEARC research centre – project **POLARIS** - Cultural and Natural Heritage in Arctic and Sub-Antarctic Regions for a Cross-Cultural and Sustainable Valorisation Process and Tourism Development: Siberia, Lapland and Patagonia (funding **FP7-PEOPLE-2012-IRSES**). 2013-2017.

- Field research in 2015 and 2016 – indigenous tourism and cultural and natural heritage;
- Transcription and translation of records in Evenki;

**UNESCO - Intergovernmental Platform on Biodiversity and Ecosystem Services (IPBES), Expert Group for the Regional Assessment for Europe and Central Asia (ECA) (funding IPBES). 2016, 2017, 2018.**

- Participation in a workshop and writing an article.

**IPBES - Intergovernmental Platform on Biodiversity and Ecosystem Services. 2018-2021.**

- Expert of indigenous knowledge assessments for the IPBES report “Methodological Assessment on Values Attached to the Environment” and the IPBES report on Europe and Central Asia.

**CEARC research centre – projects BRISK (funded by French National Research Agency ANR) and BRISK’s OBS (funded by the French Polar Institute IPEV) ‘BRidging Indigenous and Scientific Knowledge about Global Change in the Arctic (France). 2013-2016 and 2014-2017**

- Design and establishment of the transdisciplinary observatory among the Evenki;
- Construction of a community-based observatory in the forest;
- Twice-daily observations according to scientific criteria and indigenous criteria;
- Assistance in field missions;
- Knowledge co-production products (with A. Lavrillier);
- Synchronic and diachronic mapping of nomadic land use (with A. Lavrillier);
- Remote-sensing image analyses, introduction to MapInfo (with S. Gadai and A. Lavrillier) ([see the summary below](#));
- Co-analysis of transdisciplinary data, in particular on the climate (with A. Lavrillier, M. Rojo, R. Chondan C. Claud (LMD research center));
- Working seminars (UVSQ, UNESCO, MNHN);
- Fieldwork research – documentation of indigenous knowledge among elders;
- Transcription and translation of records in Evenki;
- Co-writing of a book and scientific articles, conferences ([see below](#)).

**Research Centre on Linguistics, State University of the Amur Region (Russia). 2014, 2015, 2016, 2017.**

- Participation in compiling an audio and multilingual dictionary of Evenki;
- Documentation and analysis of the Dzhektulakski dialect (with O. Morozova).

**International research group “Nomadism, Societies and Environment in Central and Eastern Asia” (NSEACS) (UMR 7130), École pratique des hautes études (France) (funding CNRS). 2014, 2015.**

- Design of and participation in the research/field project “Comparative study of the Evenki of China and Russia” with Aurore Dumont (EPHE), Kathy Xie (College of Humanities and Development Studies, China Agriculture University, Beijing, China), Wure'ertu (Director of the Evenk People Research Centre, Hailar, China), and A. Lavrillier (CEARC, France) (January, July 2014);
- Transcriptions and translation of records in Evenki.

**2012**

- CEARC research centre – participation in the setting up of the project BRISK.

## SCIENTIFIC CONFERENCES, SEMINARS, LECTURES

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**Co-author** of the transdisciplinary and international symposia **ARCTIC WEEK I & II “Transdisciplinary and International Conference for Bridging Indigenous and Scientific Knowledge”** (with A. Lavrillier and J.-M. Huctin):

**2019** at the **Ministry of Europe and Foreign Affairs**, under the patronage of the Minister of Foreign Affairs and the chairmanship of Mrs Ségolène Royal, Ambassador for the Arctic and Antarctic Poles

**2018** at the Observatoire des **Sciences de l'univers in Versailles Saint-Quentin en Yvelines**.

## INTERNATIONAL CONFERENCES

2023 Invited panelist, Polar Educators International Global Conversation Meeting & Workshop, *Arctic Science Summit Week 2023*, Vienna, Germany, 17 February.

2022 *Co-constructing Knowledge about Climate Change with Indigenous Societies in Siberia* (with A. Lavrillier). *Polar Educators International*, Reykjavik, Iceland, 14 April.

2021 *Co-construction of Scientific Knowledge about Climate Change in Siberia with Indigenous Communities* (with A. Lavrillier). *Perceiving Arctic Change: Climate, Society and Sustainability*, PACCSS, Berlin, 6 October.

2021 *The Ethics of Field Work* (with L.Egorova and A. Lavrillier). *Climate Change in the Arctic and its impact on cryosphere and permafrost regions – a transdisciplinary approach*, Gateway to the Arctic VIII, Potsdam, 5 Oct.

2021 *Co-constructing knowledge about climate change with Indigenous Societies in Siberia* (with Lavrillier). *Climate Change in the Arctic and its impact on cryosphere and permafrost regions – a transdisciplinary approach* Gateway to the Arctic VIII, Potsdam, 4 Oct..

2021 *Siberian Indigenous Sciences for Understanding Environmental Changes with Western Environmental and Social Sciences* (with A. Lavrillier). *Polar Social Sciences & Humanities: Spotlight on Swiss Research III*, Swiss Polar Institute, 12 March.

2020 *The Emic Climate Science of the Evenki Reindeer Herders. Siberian Indigenous Environmental Knowledge for Redefining an Extreme Event and Integrating Indigenous Knowledge into IPCC and IPBES Assessments* (with Lavrillier). AGU (American Geophysical Union) Fall meeting conference 2020, *Science and Society: Social and Behavioral Sciences I*, 8 Dec. | SY016-02 Zoom.

2020 *How Arctic Indigenous Peoples in Siberia Observe Changes in Climate and Biodiversity?* (with A. Lavrillier) *Russian-French Arctic Day* Russian State Hydrometeorological University-UVSQ 23 Nov.

2019 *Indigenous Knowledge and Science Co-Production in Siberia: Documenting an Indigenous Science for Understanding Environmental Norms and Anomalies* (with A. Lavrillier). *Arctic Week*, Ministry of Europe and Foreign Affairs, Paris, 9-13 Dec.

- 2019 *Reindeer Evenki Environmental Science and the Notion of an Extreme Process* (with A. Lavrillier). Arctic Week, Ministry of Europe and Foreign Affairs, Paris, 9-13 Dec.
- 2019 *How Arctic Indigenous Peoples in Siberia Observe Changes in Climate and Biodiversity?* (with A. Lavrillier). French-Russian Workshop on Environmental Changes in Siberia, Cité universitaire internationale, Paris 21-23 Oct.
- 2019 *Siberian Indigenous Knowledge and Anthropology for Understanding a Changing Cryosphere* (with A. Lavrillier). The "Arctic Crossroad": Exploring new perspectives in the era of climate change, Ministry of Europe and Foreign Affairs, Paris, 23-24 Sept.
- 2019 *A contribution of Indigenous knowledge to Social and Environmental Sciences: Indigenous Knowledge, Anthropology and Environmental Studies (C-B observatories and knowledge co-production)* (with A. Lavrillier). Changing Arctic - Impact of new technologies and traditional know-how, Ecole Nationale Supérieure, Paris, 19 - 20 June.
- 2019 *A Siberian Evenki Indigenous Snow Typology for Understanding Climate Change*. III International and Interdisciplinary Tungus Conference «Social Interactions, Language and Landscape in Siberia and China (Evenki, Even, Orochen and others), Blagoveshchensk, Russia, 16-19 June.
- 2019 *Arctic Anthropology, Indigenous Knowledge and Climate Change in Siberia: Six Years Experience Of Community-Based Transdisciplinary Observatories and Co-Production From Observations Of Climate Change* (with A. Lavrillier). EDU-ARCTIC Final Conference, Polish Academy of Science and OVSQ. Paris and Guyancourt, May 23-24.
- 2018 *Community-Based Transdisciplinary Observatories In Siberia: Co-production from Observations of Climate change and changes in Biodiversity* (with A. Lavrillier). Arctic Week I. OVSQ. Climate and Environmental Changes. Global Changes in the Arctic. OVSQ, Guyancourt, 10-14 Dec.
- 2018 *Indigenous Knowledge for Understanding Effects of Climate Change on Siberian Rivers*. Arctic Week I. Climate and Environmental Changes. Global Changes in the Arctic. OVSQ, Guyancourt, 10-14 Dec.
- 2018 *Five Years Experience of Community-Based Transdisciplinary Observatories in Siberia: Climate/Environmental Monitoring, & Knowledge Co-Productions* (with A. Lavrillier). Perceiving Arctic Change: Climate, Society And Sustainability - 2<sup>nd</sup> Arctic Science Ministerial, Potsdam and Berlin. 24<sup>th</sup> Oct.
- 2017 *Five years experience of community-based transdisciplinary observatories in Siberia: Climate/Environmental Monitoring, and Knowledge co-productions* (with A. Lavrillier). Enhancing resilience in the face of global change: mobilizing local and indigenous knowledge (pre COP23 event), UNESCO Headquarters, Paris, 18-20 Oct.
- 2017 *A Siberian indigenous snow typology for understanding climate change* (with A. Lavrillier), Multidisciplinary workshop of the OVSQ's Arctic Network: « *Snows and Ices* », Guyancourt, 21 April.
- 2017 *A transdisciplinary observatory in Siberia* (with A. Lavrillier). PACES workshop, IASC, Prague, 2 April.

- 2016 *How Evenki reindeer herders in Siberia conceive extreme event? Project BRISK. BRidging Indigenous and Scientific Knowledge about global change in the Arctic: adaptation, and vulnerability of society & environment* (with A. Lavrillier). Indigenous Knowledge and Climate Change, COP 22, Marrakesh, 2-3 November 2016
- 2016 *Traditional Ecological Knowledge Facing Climate Change among Reindeer Herders in Siberia. Project BRISK* (with A. Lavrillier). Nordic-French Seminar: *The Changing Arctic – Environment and Governance*, Tromsø, Institut Français Norway, 14 October 2016.
- 2016 *Siberian Evenk Reindeer Herders' knowledge and observation of Biodiversity and Ecosystem Services* (with A. Lavrillier), ILK Dialogue Workshop for the Europe & Central Asia Assessment, Task Force on Indigenous and Local Knowledge Systems (ILK), Intergovernmental Platform on Biodiversity and Ecosystem Services (IPBES), Expert Group for the Regional Assessment for Europe and Central Asia (ECA), UNESCO Headquarters, Paris, 11-13 Jan.
- 2015 *Siberian Reindeer Herders facing Climate Change: Observation and Adaptation* (with A. Lavrillier, M. Rojo, C. Claud), Resilience in a Time of Uncertainty: Indigenous Peoples and Climate Change International Conference, An International Conference contributing to COP21 Climate Conference, UNESCO, Paris, 26-27 Nov.
- 2015 *When Chinese and Russian Evenki Meet: Border Reindeer Herders' Cross-Views* (with A. Dumont and A. Lavrillier), Human-environment relations: memories, narratives and practices in Siberia and China – The Second International Conference on Tungusic Anthropology – University of Vilnius, Vilnius, Lithuania, 1-2 May.
- 2014 *Development of two Community-Based Transdisciplinary Observatories in Siberia among the Evenk and the Tuva-Tozhu reindeer herders – Russian Federation* (with A. Lavrillier, M. Rojo, C. Claud, R. Chondan), Climate Change Assessments and the 'Best Available Knowledge': The challenge of bridging disciplines and knowledge systems, UNESCO, Paris, 3 Nov.
- 2014 *A Community-based Transdisciplinary Observatory among the Southern Siberia Evenk: one year experience and co-productions. BRISK project* (avec A. Lavrillier), Global Change, Indigenous Community-Based Observing System, and Co-production of Knowledge for the Circumpolar North, – The Roles of Traditional Knowledge in Governance of Natural Ressources in the High North with Case studies from Reindeer Husbandry and other Indigenous Societies, Kautokeino, Norway, Mars 25-27.
- 2014 *The Contemporary Situation of the Evenk of Russia*, international seminar of the Research Center on Evenki People, Hailar, China – July.

## INTERNATIONAL PLENARY SESSION

**2019**

Plenary session of the Intergovernmental Platform for Biodiversity and Ecosystem Services (IPBES), Session 7, Sessions on the integration of Indigenous Knowledge in the Summary for policymakers - Global Assessment, UNESCO, Paris, 29 April-4th May

## SEMINARS AND LECTURES

**2021-2022**

Online lectures for PhD students in the European school EUGLOH on *Climate Change in the Arctic*, UVSQ.

Online lectures from Siberia about *Ritual Practices and Types of Offerings in the Siberian Landscape*, License 2 'Cultural Studies', UVSQ.

Lecture on *Climate Change in Eastern Siberia*, Master 2 Arctic Studies, UVSQ.

Online lectures from Siberia about *Current Changes in Siberian Biodiversity* (with reindeer herder and co-researcher Iu. Trynkin), Master 2 Arctic Studies, UVSQ.

Courses at the Blagoveshchensk State Pedagogical University in Siberia (ERASMUS+ Russia) about how Siberian Evenki people deal with (i) sustainable traditional economies (reindeer herding and harvesting), (ii) traditional environmental knowledge on fauna, flora, the cryosphere, and biodiversity, and (iii) observations made by Evenki nomads on changes in the climate and environment (levels: license and master's students).

### 2019

Online courses for European teenagers in the H2020 project EDU-Arctic.

### 2018, 2019

*Climate Change Impacts on the Siberian Environment and Peoples* at the *International Summer School France Excellence "Global Climate Change, Arctic Sustainability and the Environment"* for **Chinese PhD Students at UVSQ and University Paris-Saclay**.

### 2016 - 2021

*Environmental Indigenous Knowledge and Global Change*, seminar conducted during the course "Major Issues of Arctic Worlds", IECl, UVSQ - March.

### 2015

*What Does It Mean to be an Indigenous Reindeer Herder Involved in Transdisciplinary Research?*, seminar conducted during the course "Major Issues of the Arctic Worlds", IECl, UVSQ - March.

## RESEARCH SEMINARS

### 2018

*Perceptions of present and past pollution by Siberian Indigenous peoples. Case study among reindeer herders*. Inner Interdisciplinary Workshop "Changing Siberia". with K. Law (Atmospheric Physics, LATMOS, UVSQ), J. Fort (Animal Biology, LiENS), J.D. Paris (Atmospheric physics, LSCE, IPSL), J. Soenke (Geochemistry Mercury cycle, GET), A. Lavrillier (Social anthropology, CEARC, UVSQ), L. Egorova (Evenki Town Observer), M. Lomovtseva (Traditional Knowledge holder Even, Russia), I. Konovalov (Applied Physics, Novgorod, Russia), M. Beekmann (Atmospheric physics).

### 2015

*L'observatoire transdisciplinaire chez les Evenk de Sibérie : état du développement et résultats* (avec Lavrillier A.), Observatoires Participatifs de l'OVSQ, 5 mars.

*The Evenk Indigenous Transdisciplinary Observatory of Global Changes in Siberia*, seminar of the OVSQ's Network Observation of the OVSQ, Guyancourt, France, - January.

### 2013



*Project BRISK. BRidging Indigenous and Scientific Knowledge about global change in the Arctic: adaptation and vulnerability of society & environment.* (with A. Lavrillier), Indigenous School « Arktika », Nerungri, Yakutia, Russie – mars.

## DISSEMINATION OF RESEARCH

2021 Expert of Indigenous knowledge invited, 12<sup>th</sup> Festival of Documentary Films, *Us, the peoples of the Earth*, Cinema-Vox of Montignac-Lascaux, 19-21 November

2018-2019 Planning of the shooting issues; assistance during the shooting (technical and in communication with nomads) for the film *Profs du bout du monde [Teachers at the end of the world]* by Emilie Théron.

2018-2019 Presentation discussion in Café Climat of *the Paris Climate Agency* of the City Hall of Paris

2018 *Documentation of the Indigenous knowledge about nature and climate change in Evenki language* (with A. Lavrillier), Indigenous School « Arktika », Nerungri, Yakutia, Russie – mars.

2019 Interview in report on "*Arctic Week 2019*"

2018, 2019 Weeks of Workshop for children and adults about Siberian Cultures and climate change (at the cultural center S. Lefranc (Paris City Hall) ([see annex](#)))

2017 Interview in "*Portrait of a researcher*" ([ww.uvsq.fr](http://ww.uvsq.fr))

2017 News "*Gabyshev and Lavrillier experts for COP23*" ([ww.uvsq.fr/news](http://ww.uvsq.fr/news))

2015 Review of the French Teachers' Association, Russia

2014 Interview in the UVSQ scientific letter

2014 Interview in the scientific bulletin of the Scientific Cooperation Service of the Embassy of France in Moscow

## INTERNATIONAL RELATIONSHIPS

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Presentation of the BRISK project to the Direction of Scientific Cooperation of the Embassy of France in Moscow (August 2013 and August 2014)

## COMPUTER SKILLS

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- Word, Excel
- Google Earth,
- Elan (Max Planck Institute program for linguistics)
- Power Point
- MapInfo
- Zoom

## ***EXPERIENCE AS A REINDEER HERDER: 1990-2023***

- 1990 – 2003 Reindeer herder, Sovkhoze, Amurskaya Region  
2004 – 2009 Reindeer herder, Cooperative, Nerungri Region, Yakutia  
2009 – 2013 Private reindeer herder, Amurskaya & Yakutia Region  
2013 – present Reindeer herder, Cooperative, Amurskaya Region  
2017- 2022 Founder and vice-director of a family reindeer herding cooperative.

## **LIST OF PUBLICATIONS**

### **Book**

Lavrillier A., **S. Gabyshev**, 2017 *An Arctic Indigenous Knowledge System of Landscape, Climate, and Human interactions. Evenki Reindeer Herders and Hunters*, Studies in Social and Cultural Anthropology, Kulturstiftung Sibirien, Fürstenberg/Havel, Germany 467p.

### **Articles in peer-reviewed journals**

Lavrillier A., **S. Gabyshev**, 2021. An Indigenous Science of the Climate Change Impacts on Landscape Topography in Siberia, *Ambio* 50, pp. 1910-1925.  
<https://doi.org/10.1007/s13280-020-01467-w>

Lavrillier A., **S. Gabyshev**, L. Egorova, G. Makarova, M. Lomovtseva-Adukanova, 2020-2021. Analysing Non-Existing and Existing Tourisms in Eastern Siberia among the Evenki, Even, Koryak, and Itelmen, *Espace populations sociétés*, 2020/3-2021|2021.  
<http://journals.openedition.org/eps/10790> , 10.4000/eps.10790

Lavrillier A., **S. Gabyshev**, 2018. An Emic Science of Climate: a Reindeer Evenki Environmental Knowledge and the Notion of an Extreme Process, *Etudes Mongoles, Sibériennes, Centre-asiatiques et Tibétaines*, 49  
URL:<http://journals.openedition.org/emscat/3280>

Lavrillier A., **S. Gabyshev S.**, M. Rojo, 2016 The Sable for Evenk Reindeer Herders in Southeastern Siberia: Interplaying Drivers of Changes on Biodiversity and Ecosystem Services: Climate Change, Worldwide Market Economy and Extractive Industries (avec Lavrillier A. et Rojo M.), *Knowledge and Nature* 9. UNESCO: Paris, p. 111-128. (available online)

### **Chapters in peer-reviewed edited volumes**

Lavrillier A., **S. Gabyshev**. 2022. Traditsionnye ekologicheskie znaniia [Traditional environmental knowledge], In (Eds) L.I. Missonova, A.A. Sirina *Tungusoman'chzhurskie narody Sibiri i Dal'nego vostoka: Evenki. Eveny. Negidal'tsy, Uil'ta, Nanaitsy, Ul'chi, Udegeitsy, Oroch, Tazy* [The Tungus-Manchu peoples of Siberia and the Far East: Evenki. Even. Negidal. Uil'ta, Nanai, Ulch, Udhegei, Oroch, Taz. Nanais. Ulchi. Udege. Orochi. Tazy], Coll. Narody i Kultury, Institute of Ethnology and Anthropology im. N.N. Miklukho-Maclay Russian Academy of Science. M.: Nauka, 2022. (Peoples and cultures). pp. 459-472.

Lavrillier A., L. Egorova, **S. Gabyshev**, 2022. Der Klimawandel aus Sicht der Wissenschaft der sibirischen indigenen Bevölkerung (Evenken), In E. Kasten *Mensch und Natur in Sibirien: Umweltwissen und nachhaltige Naturbeziehungen in Zeiten des Klimawandels*. Fürstenberg/Havel: Kulturstiftung Sibirien, pp. 121-161.

Lavrillier A., L. Egorova, **S. Gabyshev**, 2022. Izmeneniye klimata s tochki zreniya nauki korennykh narodov Sibiri (evenkov) [Climate change from the point of view of science of the indigenous peoples of Siberia (Evenki)], In E. Kasten *Chelovek i priroda v Sibiri: Ekologicheskiye znaniya i ustoychivyye prirodnyye otnosheniya vo vremena izmeneniya klimata*. Fürstenberg/Havel: Kulturstiftung Sibirien [*Man and nature in Siberia: Ecological knowledge and sustainable natural relations in times of climate change*], pp. 121-161.

Lavrillier A., **S. Gabyshev**, 2020-2021. Siberian Indigenous Typologies for Understanding the Effects of Climate Change on the Environment: Documenting and Monitoring, in T. Callaghan & H. Savela (eds), *INTERACT - Stories of Arctic Science II*, pp. 18-19, 115.

Roué M., S. Roturier, A. Lavrillier, **S. Gabyshev**, D. Nakashima, 2016 Coproduction of Indigenous and Scientific Knowledge as a response to Global Change in the Arctic: Case studies from Eurasian reindeer herding peoples, in **white papers and short statements for Arctic Observing System 2016, Fairbanks, 7p.** (<http://www.arcticobservingsummit.org/aos-2016-white-papers-and-short-statements-public>)

Lavrillier A., **S. Gabyshev**, M. Rojo, C. Claud, 2015 *Siberian Reindeer Herders facing Climate change: observation and adaptation*, in Resilience in a Time of Uncertainty: Indigenous peoples and climate change International Conference, COP21 - Summaries, UNESCO, p. 28.

### Reports

**Gabyshev S.**, A. Lavrillier, 2016 Perceptions of tourism among the Orochon-Evenk in towns, villages and forests (Southern Yakutia and neighbouring Amur region), POLARIS [online]

### Films

**Gabyshev S.** 2018 *The Children Education for Living in Taiga. Our Traditional Knowledge*, 6 mm. Documentation of know-how. **Author**.

Lavrillier A. 2016. *Indigenous Evenki analysis of the snow cover in the Siberian taiga*, 12 mn. Documentation du manteau neigeux. **Participation to the shooting, translations**.

### **– IN PROGRESS –**

#### **Articles in peer-reviewed journals**

A. Dumont, A. Lavrillier, **S. Gabyshev**, When Chinese and Russian Evenki Meet: Border Reindeer Herders' Cross-Views (First part: in China), *Inner Asia*, 17 pp.

Lavrillier A., L. Egorova, **S. Gabyshev**, K.S. Law, Perceptions of pollution by Arctic indigenous peoples in a community-based observatories, 25 pp.

## Books

Lavrillier A., **S. Gabyshev**, *Observing and Adapting in the Siberian Human-Nature Relationships: Transdisciplinary methodologies, and ways of adaptations*. Studies in Social and Cultural Anthropology, Kulturstiftung Sibirien, Fürstenberg/Havel. 250 pp.

Lavrillier A., **S. Gabyshev**, *Let's speak Tungus*, L'Harmattan, Paris, 142 pp.