

Integrating Activities for Advanced Communities



D5.3- Report on Trans-national Access and Scientific Publications

Project No.730938– INTERACT

H2020-INFRAIA-2016-2017/H2020-INFRAIA-2016-1

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Dissemination Level		
PU	Public	X
PP	Restricted to other programme participants (including the Commission Services)	
RE	Restricted to a group specified by the Consortium (including the Commission Services)	
CO	Confidential, only for members of the Consortium (including the Commission Services)	

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Publishable Executive Summary

The information about publications supported by INTERACT II Transnational Access has been gathered from TA user groups annually, at the end of the year and at the end of each reporting period. In total 126 publications were reported by the INTERACT II TA user groups in 2016-2021 which can be compared to the 69 publications that were reported from INTERACT I after its final report. The research groups supported by Transnational Access have produced publications over a range of disciplines in a large number of scientific journals. One of the highlights of the research published by TA User Group was the discovery of a new bumble bee species *Bombus interacti*, which was published in 2019 in the Zoological Journal of the Linnean Society. The covid-19 pandemic had a major impact on the research conducted by TA User groups as almost no physical TA access could be conducted during the field season 2020 and even if the field season in 2021 was better there were still several stations that could not host any TA User Groups. In addition, distance work did not allow any work to be done in laboratories and thus collected samples and analyses have been postponed for more than 18 months. It is therefore anticipated that there will be large number of publications published in the coming years from INTERACT II Transnational Access keeping its legacy alive.

1. Scientific publications

1.1 Statistics

The information about publications supported by INTERACT II Transnational Access has been gathered from TA user groups annually, at the end of the year and at the end of each reporting period. In addition, some groups submitted publication information every time they had an article accepted or out from the print in a scientific journal. The user groups were provided with instructions about how to acknowledge EU H2020 and the INTERACT project in their scientific publications and presentations, according to the guidelines provided in GA. In addition, many groups wanted to acknowledge INTERACT in their scientific presentations and speeches; the INTERACT project logo, title and the EU H2020 grant agreement number was provided for that.

In total 126 publications of different types were reported by the TA user groups in 2016-2021 (see Appendix 1), in addition the publications published after the first funding period of INTERACT I are listed as those had not been published by the time of final report in 2015 (see Appendix 2). Many articles that will be submitted to peer-reviewed scientific journals were still under preparation in November 2021, which ensures that the scientific legacy of INTERACT II, will remain and even increase in the years to come.

The research groups supported by Transnational Access have produced publications over a range of disciplines. Articles in peer-reviewed scientific journals have been/are being published on variety of topics such as changes in glacier mass balance, permafrost dynamics, hydrological and landscape changes, changes in ecology, biodiversity and ecosystem services, micro-climate changes, measurements of biogeochemistry and biogeophysics and land-atmosphere interactions, coastal and near shore processes and forest dynamics, just to mention some examples. So far, the TA visits have resulted in circa 90 articles in peer-reviewed scientific journals, including journals like Tree Physiology, Global Change Biology and Bioenergy, Journal of Experimental Botany, Polar Biology, Polar Science, New Phytologist, Journal of Glaciology, Nature Climate Change, Oikos, Plant Cell and Environment, just to mention a few and the numbers continue to increase.

The most exciting discovery was made by the TA User Group ARCTOSTRESS during their INTERACT I Transnational Access supported visit to the Toolik Field Station in Alaska. The group was led by Baptiste Martinet and Pierre Rasmont from the University of Mons in Belgium. They discovered a new bumble bee species from Alaska which was named after INTERACT to *Bombus interacti* (Figure 1). A scientific journal article on the discovery of the species was published in 2019 in the Zoological Journal of the Linnean Society (DOI 10.1093/zoolinnean/zlz041).



Figure 1. Bombus interacti, a new bumble bee species discovered by INTERACT TA user group. Photo: Pierre Rasmont

An overview of the different types of publications reported by the TA user groups are provided in Figure 2. Figure 3 includes this information and the publications from INTERACT I which have not been reported earlier. Articles in scientific journals, in total 91 reported in 2016-2021, was the most common type of publications that were reported (72%), followed by abstracts for scientific meetings (14 abstracts, 11%) and conference proceeding (10 proceedings, 8%). Other forms of publications reported included reports, master thesis, press releases, and newspaper articles (1-5 % of all publications). The number of abstracts and conference proceedings is quite modest. This is likely due to the impacts of the covid-19 pandemic which postponed/cancelled several international scientific conferences or changed them to virtual ones which does not allow for true networking.

Types of publication INTERACT 2 (2016-2021)

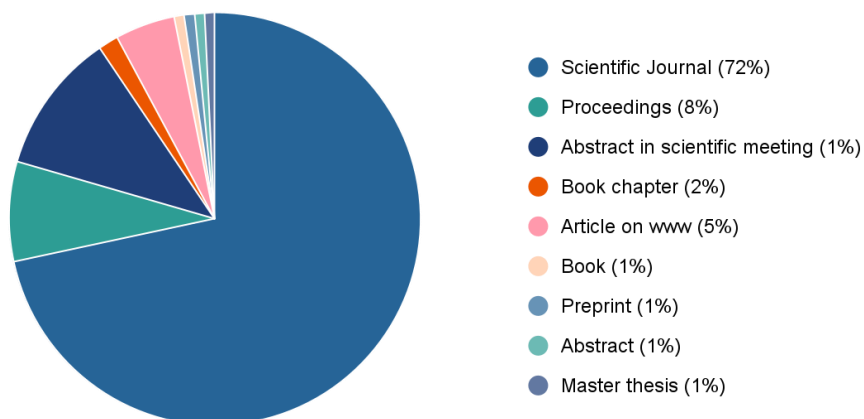


Figure 2. An overview of the types of publications published by INTERACT II Trans-national Access users at the end of project period.

Types of publication (2011-2021)

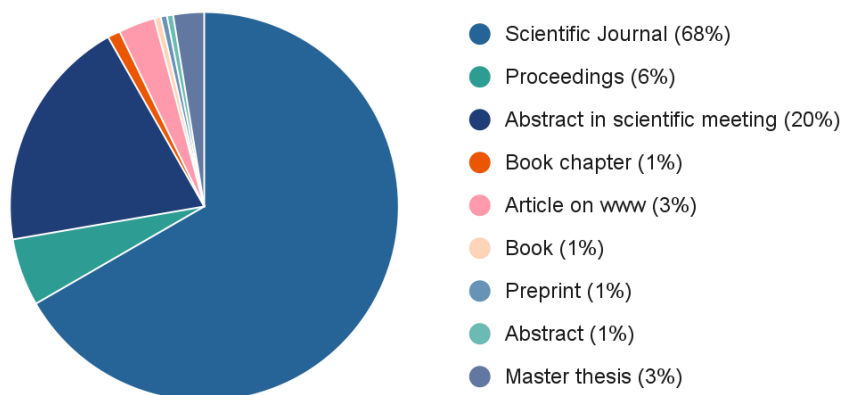


Figure 3. An overview of the types of publications published in INTERACT I and INTERACT II Trans-national Access users. The INTERACT I publications reported here are those which came out after the final report of INTERACT I and thus have not been reported before.

1.2 *Deviations from the work plan*

In the GA, the deadline of this deliverable was set to 30th September 2020 (M48). However, due to the Covid-19 pandemic with no access to the majority of stations offering Trans-national Access, the project's WP5 was prolonged one year and therefore the submission of this deliverable is in November 2021 (M60). Due to the pandemic in 2020 only very few TA user groups were able to conduct their planned TA or RA, and most of the visits were postponed to the field season 2021. However, 2021 was still challenging as no access visits could be carried out in some regions, such as in the Russian Federation. Another challenge was caused by distance working and no access to Universities, research institutions and laboratories. As a consequence, several previous TA users reported that they could not do any laboratory work during the period of March 2020 to fall 2021. This means that there is a lot of unpublished science and research work to be completed and it can be anticipated that the number of scientific publications resulting from INTERACT Transnational Access will be high during the coming years.

Appendix 1: List of publications based on TA User visits in 2017 - 2021

year	project_acronym	publication_type	title	references	authors	web_address	doi
2021	CRYPTOSOIL	Scientific Journal	Quantitative variations of usnic acid and selected elements in terricolous lichen <i>Cladonia mitis</i> Sandst., with respect to different environmental factors – A chemometric approach	<i>Phytochemistry</i> , Volume 192, Issue 112948	Galanty A., Węgrzyn M., Wietrzyk-Pelka P., Fołta M., Krośniak M., Podolak I. and Zagrodzki P.	https://www.sciencedirect.com/science/article/pii/S0048969721019471?via%3Dihub	
2021	VPhaw	Scientific Journal	Shrub decline and expansion of wetland vegetation revealed by very high resolution land cover change detection in the Siberian lowland tundra	<i>Science of The Total Environment</i> , Volume 782, 146877	Magnússon R. I., Limpens J., Kleijn D., Huissteden K., Maximov T. C., Lobry S. and Heijmans M. M. P. D.	https://www.sciencedirect.com/science/article/pii/S0048969721019471	
2021	PAPIN	Scientific Journal	Hydroclimatic controls on the isotopic ($\delta^{18}\text{O}$, $\delta^2\text{H}$, d-excess) traits of pan-Arctic summer rainfall events	<i>Frontiers in Earth Science: Hydrosphere</i> , Volume 9, 1-367	Mellat M., Bailey H., Mustonen K., Marttila H. et al.	https://www.frontiersin.org/articles/10.3389/feart.2021.651731/full	
2021	ShrubSOC	Scientific Journal	Shrub expansion in the Arctic may induce large-scale carbon losses due to changes in plant-soil interactions	<i>Plant and Soil</i> , Volume 463, 643–651	Parker T.C., Thurston A. M., Raundrup K., Subke J., Wookey P. A. and Hartley I.P.	https://link.springer.com/article/10.1007/s11104-021-04919-8	
2021	ARCTOSTRES	Scientific journal	Global effects of extreme temperatures on wild bumblebees	<i>Conservation Biology</i> , Volume 35, Issue 5, 1507-1518	Martinet B., Dellicour S., Ghisbain G., Przybyla K., Zambra E., Lecocq T., Boustani M., Baghirov R., Michez D., and Rasmont P.	https://conbio.onlinelibrary.wiley.com/doi/10.1111/cobi.13685	
2021	TreeCan-RT	Scientific journal	The influence of tree transmissivity variations in winter on satellite snow parameter observations	<i>International Journal Of Digital Earth</i> , Volume 14, Issue 10, 1337–1353	Li Q., Kelly R., Lemmetyinen J., De Roo R. D., Pan J. and Qiu Y.	https://www.tandfonline.com/loi/tjde20	
2021	NLPhy	Scientific journal	Phylogenetic Advances in Leotiomycetes, an Understudied Clade of Taxonomically and Ecologically Diverse Fungi	<i>Encyclopedia of Mycology</i> , Volume 1, 284-294	Quandt C.A. and Haelewaters D.	https://www.sciencedirect.com/science/article/pii/B9780128199909000524?via%3Dihub	
2021	COMICS-G	Proceedings	Effect of warming-induced shrub encroachment on soil fungal communities in Western Greenland	<i>FAO Global Symposium on Soil Biodiversity</i>	Canini F., Geml J., Onofri S., D'Alò F., Ripa C. and Zucchini L.	https://www.fao.org/3/cb4354en/cb4354en.pdf	
2021	GLACIGREEN	Scientific journal	Deglaciation history and paraglacial dynamics in the Zackenberg area	<i>Quaternary Science Reviews</i>	García-Oteyza J., Oliva M., Palacios D., Fernández-Fernández J.M., Andrés N., Schimmelpfennig I., Antoniadis D., Christiansen H., Ruiz-Fernández J. and ASTER Team	Not published yet	
2021	CRYPTOGAM	Scientific journal	Patterns and drivers of cryptogam and vascular plant diversity in glacier forelands	<i>Science of The Total Environment</i> , Volume	Wietrzyk-Pelka P., Rola K., Patchett A., Szymański W., Węgrzyn M.H. and Björk	https://www.sciencedirect.com/science/article/pii/S0048969720383	https://doi.org/10.1016/j.scitotenv.2020.144793

				770, Issue 144793	R.G.	261?via%3Dihub	
2021	GLAC-REF	Scientific journal	Fungal decomposition of river organic matter accelerated by decreasing glacier cover	<i>Nature Climate Change</i> , Volume 11, 349-353	Fell S. C., Carrivick J. L., Cauvy-Fraunié S., Crespo-Pérez V., Hood E., Randall K. C., Matthews Nicholass K. J., Tiegs S. D., Dumbrell A. J. and Brown L. E.	https://www.nature.com/articles/s41558-021-01004-x#citeas	https://doi.org/10.1038/s41558-021-01004-x
2021	ARNOLD 2.0	Abstract in scientific meeting	Early summer temperature and precipitation (but not sea surface temperature) influence Juniperus growth at Faroe Islands	Book of Abstracts TRACE 2021: Tree Rings in Archaeology, Climatology and Ecology, p.41	Prendin A.L., Gaar M., Normand S. and Carrer M.		
2021	ARNOLD 2.0	Abstract in scientific meeting	Early summer temperature and precipitation but not sea surface temperature slow down Juniperus growth at Faroe Islands	OIKOS Denmark 2021, Online conference on March 10, 2021	Prendin A. L., Gaard M., Dibona R., Unterholzner L., Treier U., Normand S. and Carrer M.	https://nordicsocietyoikos.glueup.com/event/oikos-denmark-2021-20324/agenda.html#agenda	
2021	AOM-PEaT	Scientific journal	A novel belowground in-situ gas labeling approach: CH ₄ oxidation in deep peat using passive diffusion chambers and ¹³ C excess	<i>Science of the Total Environment</i> , Volume 806, Part 1, Issue 150457, 1-9	Dorodnikov M., Knorr K., Fan L., Kuzyakov Y. and Nilsson M.B.	https://www.sciencedirect.com/science/article/pii/S0048969721055340	https://doi.org/10.1016/j.scitotenv.2021.150457
2021	CRYPTOSOIL	Scientific journal	Quantitative variations of usnic acid and selected elements in terricolous lichen <i>Cladonia mitis</i> Sandst., with respect to different environmental factors – A chemometric approach	<i>Phytochemistry</i> , Volume 192, Issue 112948	Galanty A., Węgrzyn M., Wietrzyk-Pelka P., Fołta M., Krośniak M., Podolak I. and Zagrodzki P.	https://www.sciencedirect.com/science/article/pii/S0031942221002971?via%3Dihub	https://doi.org/10.1016/j.phytochem.2021.112948
2021	S - TRACES	Scientific journal	Growing faster, longer or both? Modelling plastic response of <i>Juniperus communis</i> growth phenology to climate change	<i>Global Ecology and Biogeography</i> , Volume 30, Issue 11, 2229-2244	Tumajer J., Buras A., Camarero J. J., Carrer M., Shetti R., Wilmsing M., Altman J., Sangüesa-Barreda G. and Leheček J.	https://onlinelibrary.wiley.com/doi/full/10.1111/geb.13377	https://doi.org/10.1111/geb.13377
2021	GLACTIC	Scientific journal	Late Holocene canyon-carving floods in northern Iceland were smaller than previously reported	<i>Communications Earth & Environment</i> , Volume 2, Issue 86, 1-12	van der Bilt W. G. M., Barr I. D., Berben S. M. P., Hennekam R., Lane T., Adamson K. and Bakke J.	https://www.nature.com/articles/s43247-021-00152-4	https://doi.org/10.1038/s43247-021-00152-4
2021	GLARE	Scientific journal	Correcting for Systematic Underestimation of Topographic Glacier Aerodynamic Roughness Values From Hintereisferner, Austria	<i>Frontiers in Earth Science: Cryospheric Sciences</i> , Volume 9, p.435	Chambers J. R., Smith M. K., Smith T., Sailer R., Quincey D. J., Carrivick J. L., Nicholson L., Mertes J., Stiperski I. and James M. R.	https://www.frontiersin.org/articles/10.3389/feart.2021.691195/full	doi.org/10.3389/feart.2021.691195
2021	ARCTOSTRES	Scientific journal	Global effects of extreme temperatures on wild bumblebees	<i>Conservation Biology</i> , Volume 35, Issue 5, 1507-1518	Martinet B., Dellicour S., Ghisbain G., Przybyla K., Zambra E., Lecocq T., Boustani M., Baghirov R., Michez D. and Rasmont P.	https://conbio.onlinelibrary.wiley.com/doi/abs/10.1111/cobi.13685	https://doi.org/10.1111/cobi.13685
2021	ARCTICWAVE	Scientific journal	Determination of Snow Water Equivalent for Dry Snowpacks using the Multipath Propagation of Ground-based Radars	<i>IEEE Geoscience and Remote Sensing Letters</i> , Volume 18, Issue 2, 276-280	Espín-López P. F. and Pasian M.	https://ieeexplore.ieee.org/document/9013087	10.1109/LGRS.2020.2974546
2020	VPthaw	Scientific journal	Rapid Vegetation Succession and Coupled Permafrost Dynamics in Arctic Thaw Ponds in	<i>Journal of Geophysical Research:</i>	Magnússon R., Limpens J., Huissteden J. van, Kleijn D., Maximov T. C., Rotbarth R., Sass-	https://agupubs.onlinelibrary.wiley.com/doi/10.1029/2019JG00561	https://doi.org/10.1029/2019JG005618

			the Siberian Lowland Tundra	<i>Biogeosciences</i> , Volume 125, Issue 7	Klaassen U.G.W. and Heijmans M.M.P.D.	8	
2020	TreeCan-RT	Scientific journal	Simulating the Influence of Temperature on Microwave Transmissivity of Trees During Winter Observed by Spaceborne Microwave Radiometry	<i>IEEE Journal Of Selected Topics In Applied Earth Observations And Remote Sensing</i> , Volume 13, 4816-4824	Li Q., Kelly R., Lemmetyinen J., and Pan J.	https://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=9170764	
2020	WILDSSENS	Book chapter	Chapter 39. Sounding Wild Spaces: Inclusive Mapmaking Through Multispecies Listening Across Scales.	<i>The Bloomsbury Handbook of Sonic Methodologies</i> (pp. 615–632). New York: Bloomsbury Academic.	Eldridge A., Carruthers-Jones J. and Norum R.	http://sro.sussex.ac.uk/id/eprint/86130/	http://dx.doi.org/10.5040/9781501338786.ch-039
2020	GLADWRAG	Scientific journal	Equifinality and preservation potential of complex eskers	<i>Boreas</i> , Volume 49, Issue 1, 211-231	Storarr R. D., Ewertowski M., Tomczyk A. M., Barr I. D., Livingstone S. J., Ruffell A., Stoker B. J. and Evans D. J. A.	https://onlinelibrary.wiley.com/doi/full/10.1111/bor.12414	https://doi.org/10.1111/bor.12414
2020	CRYPTOGAM	Scientific journal	The first observation of Arctic char in glacial river of Austre Brøggerbreen (Ny-Ålesund, Svalbard, Norway)	<i>Polar Science</i> , Volume 24, Issue 100529	Wietrzyk-Pelka P. and Węgrzyn M.H.	https://www.sciencedirect.com/science/article/pii/S1873965220300323?via%3Dihub	https://doi.org/10.1016/j.polar.2020.100529
2020	PIKEPERCH	Master thesis	Determinants of vulnerability to angling, impacts of catch-and-release angling, and aspects of the natural spawning behavior of pikeperch (<i>Sander lucioperca</i>)	Master's thesis at Humboldt-Universität zu Berlin	Leander Höhne	https://www.ifishman.de/publikationen/einzelansicht/1639-determinants-of-vulnerability-to-angling-impacts-of-catch-and-release-angling-and-aspects-of-th/	
2020	WIN2	Scientific journal	Shrubs and Degraded Permafrost Pave the Way for Tree Establishment in Subarctic Peatlands	<i>Ecosystems</i> , Volume 24, 370–383	Limpens J., Fijen T.P.M., Keizer I., Meijer J., Olsthoorn F., Pereira A., Postma R., Suyker M., Vasander H. and Holmgren M.	https://link.springer.com/article/10.1007%2Fs10021-020-00523-6	https://doi.org/10.1007/s10021-020-00523-6
2020	SAFE	Scientific journal	Influence of vegetation cover and soil features on CO ₂ , CH ₄ and N ₂ O fluxes in northern Finnish Lapland	<i>Polar Science</i> , Volume 24, Issue 100531	Lagomarsino A. and Agnelli A. E.	https://www.sciencedirect.com/science/article/pii/S1873965220300347?via%3Dihub	https://doi.org/10.1016/j.polar.2020.100531
2020	COMICS-G	Scientific journal	Expansion of shrubs could result in local loss of soil bacterial richness in Western Greenland	<i>FEMS Microbiology Ecology</i> , Volume 96, Issue 8	Canini F., Zucconi L., Coleine C., D'Alò F., Onofri S. and Geml J.	https://academic.oup.com/femsec/article/96/8/fiaa089/5865694	https://doi.org/10.1093/femsec/fiaa089
2020	GLIN	Proceedings	Spatial and temporal variations of air temperature inversions over different surface types on Ammassalik Island (East Greenland)	EGU General Assembly 2020, Online, 4–8 May 2020, EGU2020-7541	Hansche I., Abermann J., Shahi S. and Schöner W.	https://meetingorganizer.copernicus.org/EGU2020/EGU2020-15597.html	https://doi.org/10.5194/egusphere-egu2020-15597
2020	BC-HOR	Scientific journal	Investigation on the sources and impact of trace elements in the annual snowpack and the firm in the Hansbreen (southwest Spitsbergen)	<i>Frontiers in Earth Science - Cryospheric Sciences</i> , Brief Research Report, Volume 8	Spolaor A., Moroni B., Luks B., Nawrot A., Roman M., Larose C., Stachnik Ł., Bruschi F., Koziol K., Pawlak F., Turetta C., Barbaro E., Gallet J. and Cappelletti D.	https://www.frontiersin.org/articles/10.3389/feart.2020.536036/abstract	https://doi.org/10.3389/feart.2020.536036
2020	BLACK	Scientific journal	Arctic environmental change research and Antarctic studies have mutual benefits	<i>Advances in Polar Science</i> , Volume 31,	Meinander O.	http://www.aps-polar.org/paper/2020/31/02/A200	10.13679/j.advps.2020.0003

				Issue 2, 89-91.		324000002	
2020	BLACK	Scientific journal	Snow Samples Combined With Long-Range Transport Modeling to Reveal the Origin and Temporal Variability of Black Carbon in Seasonal Snow in Sodankylä (67°N)	<i>Frontiers in Earth Science - Cryospheric Science</i> , Volume 8	Meinander O., Kontu A., Kouznetsov R. and Sofiev M.	https://www.frontiersin.org/articles/10.3389/feart.2020.00153/full	https://doi.org/10.3389/feart.2020.00153
2020	BLACK	Scientific journal	Sampling, Filtering, and Analysis Protocols to Detect Black Carbon, Organic Carbon, and Total Carbon in Seasonal Surface Snow in an Urban Background and Arctic Finland (>60° N).	<i>Atmosphere</i> , Volume 11, Issue 9, 923.	Meinander O., Heikkinen E., Aurela M. and Hyvärinen A.	https://www.mdpi.com/2073-4433/11/9/923	https://doi.org/10.3390/atmos11090923
2020	GLACIGREEN	Scientific journal	Morphometric and sedimentological characteristics of Late Holocene earth hummocks in the Zackenberg valley (NE Greenland)	<i>Science of the Total Environment</i> , Volume 737, Issue 140281.	Ruiz-Fernández J., Oliva, M., Otero X.L. and García-Hernández C.	https://www.sciencedirect.com/science/article/abs/pii/S004896972033802X	https://doi.org/10.1016/j.scitotenv.2020.140281
2020	SoilTemp	Scientific journal	The role of arbuscular mycorrhizal fungi in nonnative plant invasion along mountain roads	<i>New Phytologist</i> , Volume 230, Issue 3, 1156-1168.	Clavel J., Lembrechts J., Alexander J., Haider S., Lenoir J., Milbau A., Nuñez M. A., Pauchard A., Nijis I. and Verbruggen E.	https://nph.onlinelibrary.wiley.com/doi/abs/10.1111/nph.16954	https://doi.org/10.1111/nph.16954
2020	SoilTemp	Scientific journal	SoilTemp: a global database of near-surface temperature	<i>Global Change Biology</i> , Volume 26, Issue 11, 6616-6629	Lembrechts J. J., Aalto J., Ashcroft M. B., De Frenne P. et al.	https://onlinelibrary.wiley.com/doi/full/10.1111/gcb.15123?casa_token=NW_5PyHE58QAAAAA%3AW-106TmHgD63YcqFF5giqG0AAmaSzY4nmwJuT5z4ZJRJuRz911gNP0X2Ci8m2x_uG9H2Y3qFVSIB_vHl	https://doi.org/10.1111/gcb.15123
2020	BLACK	Abstract in scientific meeting	Sampling, filtering and analyzing procedures for thermal-optical OCEC analysis to determine black carbon, organic carbon and total carbon concentrations in Arctic snow, ice and water samples	EGU General Assembly 2020, Online, 4–8 May 2020, EGU2020-7541	Meinander O., Heikkinen E. and Aurela M.	https://meetingorganizer.copernicus.org/EGU2020/EGU2020-7541.html	https://doi.org/10.5194/egusphere-egu2020-7541
2020	BLACK	Article on www	IBA-projects and other projects related to BC, dust and cryosphere	Finnish Meteorological Institute web page	Meinander O.	https://en.ilmatieteenlaitos.fi/iba-project	
2020	GlaSedRun	Scientific journal	Impacts of increased tourism on polar environment - case studies from Svalbard and Iceland	<i>Czech Polar Reports</i> , Volume 10, Issue 1, 59-68	Anděrová K.	https://journals.muni.cz/CPR/article/view/13680/11598	10.5817/CPR2020-1-6
2020	CRYPTOGAM	Scientific journal	Mosses and liverworts in the glacier forelands and mature tundra of Svalbard (High Arctic): diversity, ecology, and community composition.	<i>Polish Polar Research</i> , Volume 41, Issue 2, 37–72	Wietrzyk-Pelka P., Cykowska-Marzencka B., Maruo F., Szymański W. and Węgrzyn M.H.	http://journals.pan.pl/dlibra/publication/133011/edition/116220/content	10.24425/ppr.2020.133011
2020	SAFE	Scientific journal	Microbial communities associated with decomposing deadwood of downy birch in a	<i>Forest Ecology and Management</i> , Volume	Pastorelli R., Paletto A., Agnelli A.E., Lagomarsino A. and De Meo I.	https://www.sciencedirect.com/science/article/pii/S0378112719313	https://doi.org/10.1016/j.foreco.2019.117643

			natural forest in Khibiny Mountains (Kola Peninsula, Russian Federation)	455, Issue 117643		57X?via%3Dihub	
2020	Deep Sense	Proceedings	Multiscale Change Detection in a Supraglacial Stream Using Surface Drifters	River Flow 2020. Proceedings of the 10th Conference on Fluvial Hydraulics (Delft, Netherlands, 7-10 July 2020) (1st ed.). CRC Press.	Tuhtan J.A., Kruusmaa M., Alexander A. and Fuentes-Pérez J.F.	https://www.taylorfrancis.com/books/e/9781003110958/chapters/10.1201/b22619-205	https://doi.org/10.1201/b22619-205
2020	Deep Sense	Preprint	Topology and pressure distribution reconstruction of an englacial channel	<i>Earth and Space Science Open Archive</i>	Piho L., Alexander A. and Kruusmaa M.	https://www.essoar.org/doi/10.1002/essoar.10505095.1	https://doi.org/10.1002/essoar.10505095.1
2020	GLARE	Scientific journal	A scale-dependent model to represent changing aerodynamic roughness of ablating glacier ice based on repeat topographic surveys	<i>Journal of Glaciology</i> , Volume 66, Issue 260, 950-964.	Smith T., Smith M.W., Chambers J., Sailer R., Nicholson L., Mertes J., Quincey D.J., Carrivick J.L. and Stiperski I.	https://www.cambridge.org/core/journals/journal-of-glaciology/article/scale-dependent-model-to-represent-changing-aerodynamic-roughness-of-ablating-glacier-ice-based-on-repeat-topographic-surveys/6E11A7AF4A8EFE57A3562633510AADA3	doi:10.1017/jog.2020.56
2020	PAPIN	Proceedings	Pan-Arctic summer precipitation moisture sources and isotopic traits ($\delta^{18}\text{O}$, $\delta^2\text{H}$, d-excess)	21st EGU General Assembly, EGU2019, Proceedings from the conference held 7-12 April, 2019 in Vienna, Austria, id.556	Mellat M., Bailey H., Mustonen K., Welker J.M. et al.	https://ui.adsabs.harvard.edu/abs/2019EGUGA...21..556M/abstract	
2020	GlaSedRun	Scientific journal	High Latitude Dust Transport Altitude Pattern Revealed from Deposition on Snow, Svalbard	<i>Atmosphere</i> 2020, Volume 11, Issue 12, 1318	Kavan J., Láska K., Nawrot A. and Wawrzyniak T.	https://www.mdpi.com/2073-4433/11/12/1318	10.3390/atmos11121318
2020	BLACK	Article on www	Interact TA talks: EU-Interact Black-project	INTERACT TA TALKS Outi Meinander, Youtube video, 6 June 2020, 25 min.	Meinander O.	https://www.youtube.com/watch?v=v7Q3jSYgCnI	
2020	ArcticFan	Scientific journal	Geomorphological impacts of a glacier lake outburst flood in the high arctic Zackenberg River, NE Greenland	<i>Journal of Hydrology</i> , Volume 591, Issue 125300	Tomczyk A. M., Ewertowski M. W. and Carrivick J. L.	https://www.sciencedirect.com/science/article/abs/pii/S0022169420307605?via%3Dihub	https://doi.org/10.1016/j.jhydrol.2020.125300
2020	ArcticFan	Scientific journal	UAV-based remote sensing of immediate changes in geomorphology following a glacial lake outburst flood at the Zackenberg river, northeast Greenland	<i>Journal of Maps</i> , Volume 16, Issue 1, 86-100	Tomczyk A. M. and Ewertowski M.W.	https://www.tandfonline.com/doi/full/10.1080/17445647.2020.1749146?scroll=top&needAccess=true	https://doi.org/10.1080/17445647.2020.1749146
2020	ARNOLD 2.0	Abstract in scientific meeting	Annual rings from far north to better understand long-term growth drivers of	INTERACT TA User Community meeting	Prendin A. L.	https://eu-interact.org/interact-ta-user-community-meeting-at-	

			Juniperus communis L.: the most widespread woody species of the Northern hemisphere	30.03.2020		assw2020/	
2020	CAMP-SOC	Scientific journal	Soil organic carbon storage in a mountain permafrost area of Central Asia (High Altai, Russia)	<i>Ambio</i> , Volume 50, 2022–2037	Pascual D., Kuhry P. and Raudina T.	https://link.springer.com/article/10.1007/s13280-020-01433-6#citeas	
2020	GSSP	Scientific journal	Monitoring Fungal Communities With the Global Spore Sampling Project	<i>Frontiers in Ecology and Evolution</i> , Volume 7	Ovaskainen O., Abrego N., Somervuo P., Palorinne I., Hardwick B., Pitkänen J., Andrew N.R., Niklaus P.A., Schmidt N.M., Seibold S., Vogt J., Zakharov E.V., Hebert P.D.N., Roslin T. and Ivanova N.V.	https://www.frontiersin.org/articles/10.3389/fevo.2019.00511/full	https://doi.org/10.3389/fevo.2019.00511
2020	POLAAR	Scientific journal	Parasitoids indicate major climate-induced shifts in arctic communities	<i>Global Change Biology</i> , Volume 26, Issue 11, 6276–6295	Kankaanpää T., Vesterinen E., Hardwick B. V. P. et al.	https://onlinelibrary.wiley.com/doi/full/10.1111/gcb.15297	https://doi.org/10.1111/gcb.15297
2019	BLACK	Book	Report of the IASC Workshop on Effects and Extremes of High Latitude Dust, 13–14 FEB 2019	Report of the IASC Workshop on Effects and Extremes of High Latitude Dust, 13–14 FEB 2019, in cooperation with the IceDust Aerosol Association, IBA-FIN-BCDUST-project of MFA of Finland, and EU COST InDust Action, 7 March 2019	Meinander O., Dagsson-Waldhauserova P., Björnsson H., Petersen G. N., Moore K., Larsen J. N. and Heininen L.	https://iasc.info/news/iasc-news/472-workshop-report-iasc-workshop-on-effects-and-extremes-of-high-latitude-dust	
2019	BLACK	Abstract in scientific meeting	Atmosphere – Cryosphere Interaction in the Arctic, at High Latitudes and Mountains With Focus on Transport, Deposition and Effects of Dust, Black Carbon, and Other Aerosols.	IASC Workshop on Effects and Extremes of High Latitude Dust, 13–14 FEB 2019. Book of abstracts, Abstract, p.13	Meinander O.	https://icedustblog.files.wordpress.com/2018/10/book-of-abstracts-1.pdf	
2019	S - TRACES	Scientific journal	Boreal tree-rings are influenced by temperature up to two years prior to their formation: a trade-off between growth and reproduction?	<i>Environmental Research Letters</i> , Volume 14, Issue 12	Tumajer J. and Lehejček J.	https://iopscience.iop.org/article/10.1088/1748-9326/ab5134	https://doi.org/10.1088/1748-9326/ab5134
2019	SNAP	Scientific journal	Subglacial sediment distribution from constrained seismic inversion, using MuLTI software: examples from Midtdalsbreen, Norway	<i>Annals of Glaciology</i> , Volume 60, Issue 79	Killingbeck S.F., Booth A. D., Livermore P. W., West L. J., Reinardy B. T. I., Nesje A.	https://www.cambridge.org/core/journals/annals-of-glaciology/article/subglacial-sediment-distribution-from-constrained-seismic-inversion-using-multi-software-examples-from-midtdalsbreen-norway/5DAA363B491F5D6061B35DDA368FBE34	10.1017/aog.2019.
2019	TreeCan-RT	Scientific journal	The Influence of Thermal Properties and	<i>IEEE Transactions on</i>	Li Q., Kelly R., Leppänen L., Vehviläinen J.,	https://ieeexplore.ieee.org/docum	10.1109/TGRS.2019.289934

			Canopy Intercepted Snow on Passive Microwave Transmissivity of a Scots Pine	<i>Geoscience and Remote Sensing</i> , Volume 57, Issue 8, 5424 - 5433.	Kontu A., Lemmetyinen J., and Pulliainen J.	ent/8671455	5
2019	POLAAR	Scientific journal	Heated rivalries: Phenological variation modifies competition for pollinators among arctic plants	<i>Global Change Biology</i> , Volume 26, Issue 11, 6313-6325	Tiusanen M., Kankaanpää T., Schmidt N.M. and Roslin T.	https://onlinelibrary.wiley.com/doi/10.1111/gcb.15303	https://doi.org/10.1109/TGRS.2019.2899345
2019	WILDSSENS	Proceedings	Wild mapping: Integrating ethnography, cartography and ecoacoustics along an Arctic mountain transect	International Society for Ethnology and Folklore, 14-17 April 2019. Santiago de Compostela, Spain	Carruthers-Jones J., Norum R., and Eldridge A.		
2019	SAFE	Abstract in scientific meeting	CO ₂ , CH ₄ and N ₂ O fluxes from soil under different vegetation cover and soil features	<i>Geophysical Research Abstracts</i> , Volume 21, EGU2019-5452	Agnelli A.E., Carini G. and Lagomarsino A.		
2019	COMICS-G	Proceedings	Vegetation and soil chemistry strongly influence soil fungal richness and community composition in Western Greenland	Netherlands Annual Ecology Meeting 12 - 13 February 2019	Canini F., Zucconi L., Selbmann L., Onofri S. and Geml J.		
2019	FESTUCA	Scientific journal	Post-glacial colonization history reflects in the genetic structure of natural populations of <i>Festuca rubra</i> in Europe. Ecology and Evolution	<i>Ecology and Evolution</i> , Volume 9, Issue 6, 3661–3674	Von Cräutlein M., Leinonen P., Korpelainen H., Helander M., Väre H. and Saikkonen K.	https://onlinelibrary.wiley.com/doi/full/10.1002/ece3.4997	https://doi.org/10.1002/ece3.4997
2019	LAMELI	Proceedings	Xanthophyll cycle operation at high latitudes	FAST Workshop, Hyytiälä, Finland (25 Feb-1 March 2019)	Fernández-Marín B. et al.		
2019	PyCARBO	Book chapter	Chapter 17. Biochar use in global forests: opportunities and challenges	<i>Developments in Soil Science</i> , Volume 36, Pages 427-453	Bruckman V. and Pumpanen J.	https://www.sciencedirect.com/science/article/abs/pii/B9780444639981000173	https://doi.org/10.1016/B978-0-444-63998-1.00017-3
2019	ETANGO	Scientific journal	Fine-scale spatial heterogeneity of invertebrates within cryoconite holes	<i>Aquatic Ecology</i> , Volume 53, Issue 2, 179-190	Zawierucha K., Buda J., Fontaneto D., Ambrosini R., Franzetti A., Wierzgoń M. and Bogdziewicz M.	https://link.springer.com/article/10.1007/s10452-019-09681-9	https://doi.org/10.1007/s10452-019-09681-9
2019	DECAFOR	Scientific journal	Microbial communities associated with decomposing deadwood of downy birch in a natural forest in Khibiny Mountains (Kola Peninsula, Russian Federation)	<i>Forest Ecology and Management</i> , Volume 455, Issue 117643	Pastorelli R., Paletto A., Agnelli A. E., Lagomarsino A. and De Meo I.	https://www.sciencedirect.com/science/article/pii/S037811271931357X	https://doi.org/10.1016/j.foreco.2019.117643
2019	FESTUCA	Scientific journal	Local adaptation in natural European host grass populations with asymmetric symbiosis	<i>PLOS ONE</i> , Volume 14, Issue 4	Leinonen P. H., Helander M., Vazquez-de-Aldana B.R., Zabalgoatzea I. and Saikkonen, K.	https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0215510	https://doi.org/10.1371/journal.pone.0215510
2019	FESTUCA	Scientific journal	Phenotypic and genetic variation in natural populations of <i>Festuca rubra</i> s.l. in Europe	<i>Plant Ecology and Diversity</i> , Volume 12, Issue 5	Saikkonen K., Dirihan S., Väre H., Saloniemi I., von Cräutlein M., Leinonen P. H. and Helander M.	https://www.tandfonline.com/doi/abs/10.1080/17550874.2019.1654551	https://doi.org/10.1080/17550874.2019.1654551

2019	HAAR	Scientific journal	The first detection of the alien species: green-peach aphid <i>Myzus (Nectar Psiphon) persicae</i> (Insecta, Hemiptera, Aphididae) in the Svalbard archipelago	<i>Polar Biology</i> , Volume 42, Issue 10, 1947-1951	Wieczorek K. and Chłond D.	https://link.springer.com/article/10.1007/s00300-019-02562-9	10.1007/s00300-019-02562-9
2019	GLIN	Scientific journal	Temperaturinversionen in Grönland – Skalen, Prozesse und Bedeutung	<i>GeoGraz</i> , Volume 65	Abermann J., Shahi S., Hansche I. and Schöner W.	https://unipub.uni-graz.at/geograz/content/titleinfo/4549053/full.pdf	
2019	ZAKSCAN	Scientific journal	Accelerated volume loss in glacier ablation zones of NE Greenland, Little Ice Age to present	<i>Geophysical Research Letters</i> , Volume 46, Issue 3, 1476-1484	Carrivick J. L., Boston C. M., King O., James W. H. M., Quincey D. J., Smith M. W., Grimes M. and Evans, J.	https://agupubs.onlinelibrary.wiley.com/doi/full/10.1029/2018GL081383	https://doi.org/10.1029/2018GL081383
2019	COMICS-G	Scientific journal	Vegetation, pH and Water Content as Main Factors for Shaping Fungal Richness, Community Composition and Functional Guilds Distribution in Soils of Western Greenland	<i>Frontiers in Microbiology - Terrestrial Microbiology</i> , Volume 10	Canini F., Zucconi L.*, Pacelli C., Selbmann L., Onofri S. and Geml J.	https://www.frontiersin.org/articles/10.3389/fmicb.2019.02348/full	https://doi.org/10.3389/fmicb.2019.02348
2019	SnowVeg	Article on www	Off to Siberia in sandals	<i>SLF logbook</i>	Christian R.	https://www.slf.ch/en/about-the-slf/news/blogs/logbook/off-to-siberia-in-sandals.html	
2019	S - TRACES	Scientific journal	Boreal tree-rings are influenced by temperature up to two years prior to their formation: a trade-off between growth and reproduction?	<i>Environmental Research Letters</i> , Volume 14, Issue 12	Tumajer J. and Lehejček J.	https://iopscience.iop.org/article/10.1088/1748-9326/ab5134	
2019	CRYPTOGAM	Scientific journal	Organic carbon accumulation in the glacier forelands with regard to variability of environmental conditions in different ecogenesis stages of High Arctic ecosystems	<i>Science of The Total Environment</i> , Volume 717, Issue 135151	Wietrzyk-Pelka P., Rola K., Szymański W. and Węgrzyn M. H.	https://www.sciencedirect.com/science/article/pii/S0048969719351435	https://doi.org/10.1016/j.scitotenv.2019.135151
2019	CRYPTOGAM	Scientific journal	A screening of select toxic and essential elements and persistent organic pollutants in the Fur of Svalbard reindeer	<i>Chemosphere</i> , Volume 245, Issue 125458	Pacyna-Kuchta A., Wietrzyk-Pelka P., Węgrzyn M.H., Frankowski M. and Polkowska Ż.	https://www.sciencedirect.com/science/article/pii/S0045653519326980	https://doi.org/10.1016/j.chemosphere.2019.125458
2019	LABSOCS	Scientific journal	Spatial patterns in soil organic matter dynamics are shaped by mycorrhizosphere interactions in a treeline forest	<i>Plant and Soil</i> , Volume 447, 521–535	Friggens N. L., Aspray T. J., Parker T. C., Subke J. A. and Wookey P. A.	https://link.springer.com/article/10.1007/s11104-019-04398-y	https://doi.org/10.1007/s11104-019-04398-y
2019	GLARE	Scientific journal	Glacial Aerodynamic Roughness Estimates: Uncertainty, Sensitivity, and Precision in Field Measurements	<i>Journal of Geophysical Research: Earth Surface</i> , Volume 125, Issue 2	Chambers J. R., Smith M. W., Quincey D. J., Carrivick J. L., Ross A. N. and James M. R.	https://agupubs.onlinelibrary.wiley.com/doi/full/10.1029/2019JF005167	https://doi.org/10.1029/2019JF005167
2019	COMICS-G	Proceedings	Soil properties and vegetation coverage affect soil bacterial communities in Western Greenland	FEMS 2019 – 8th Congress of European Microbiologists, Glasgow 7-11 July	Canini F., Zucconi L., Selbmann L., Onofri S. and Geml J.	https://m2.mtmt.hu/api/publication/30744268	
2019	BLACK	Scientific journal	Editorial: Atmosphere - cryosphere interaction in the Arctic, at high latitudes and mountains	<i>Frontiers in Earth Science - Atmospheric</i>	Dagsson-Waldhauserova P. and Meinander O.	https://www.frontiersin.org/articles/10.3389/feart.2019.00337/full#	https://doi.org/10.3389/feart.2019.00337

			with focus on transport, deposition and effects of dust, black carbon, and other aerosols	<i>Science</i> , Volume 7		h5	
2019	BLACK	Abstract in scientific meeting	Cryospheric Effects of High Latitude Dust versus Black Carbon in the Context of Arctic Environmental Change	Report of the IASC Workshop on Effects and Extremes of High Latitude Dust, 13-14 FEB 2019, in cooperation with the IceDust Aerosol Association, IBA-FIN-BCDUST-project of MFA of Finland, and EU COST InDust Action, Abstract, p. 17	Meinander O.	https://iasc.info/news/iasc-news/472-workshop-report-iasc-workshop-on-effects-and-extremes-of-high-latitude-dust	
2019	SoilTemp	Scientific journal	Comparing temperature data sources for use in species distribution models: From in-situ logging to remote sensing	<i>Global Ecology and Biogeography</i> , Volume 28, Issue 11, 1578-1596.	Lembrechts J. J., Lenoir J., Roth N., Hattab T., Milbau A., Haider S. et al.	https://onlinelibrary.wiley.com/doi/full/10.1111/geb.12974?casa_token=dqsv6wzqHWIAAAA%3A1vaHQ2rWhyaL7zbrBGY1XiU1lZtvsiu2kVnaHY2nxOy25eArvOekesWPakHRvT-M91HBb2tvWLeIsrvY	https://doi.org/10.1111/geb.12974
2019	BLACK	Article on www	Arctic Research Blog BLACK	H2020 EU-Interact project Arctic research blog of BLACK	Meinander O.	https://arcticresearch.wordpress.com/2018/07/04/about-us-1-bio-of-the-black-blog/	
2019	BLACK	Article on www	Kartalla-podcast: ilmastonmuutos ja sen tutkimus	Podcast (in Finnish)	Meinander O. and Peltoniemi J.	https://soundcloud.com/maanmittauslaitos/kartalla-podcast-ilmastonmuutos-ja-sen-tutkimus	
2019	BLACK	Article on www	EU-Interact-BLACK tweets at https://twitter.com/FMI_Snow	Tweets at https://twitter.com/FMI_Snow	Meinander O.	https://twitter.com/FMI_Snow	
2019	ZAKSCAN	Scientific Journal	Accelerated Volume Loss in Glacier Ablation Zones of NE Greenland, Little Ice Age to Present	<i>Geophysical Research Letters</i> , Volume 46, Issue 3, 1476 – 1484	Carrivick J.L., Boston C.M., King O., James W. H. M., Quincey D.J., Smith M.W., Grimes M. and Evans J.	https://agupubs.onlinelibrary.wiley.com/doi/full/10.1029/2018GL081383	doi.org/10.1029/2018GL081383
2018	ReTurn	Scientific Journal	Long-term vegetation changes of treeless heath communities in northern Fennoscandia: Links to climate change trends and reindeer grazing.	<i>Journal of Vegetation Science</i> , Volume 29, Issue 3, 469-479	Maliniemi T., Kapfer J., Saccone P., Skog A. and Virtanen R.	https://onlinelibrary.wiley.com/doi/10.1111/jvs.12630	https://doi.org/10.1111/jvs.12630
2018	TeaComp	Scientific journal	Early stage litter decomposition across biomes	<i>Science of The Total Environment</i> , Volumes 628–629, 1369-1394	Djukic I., Kepfer-Rojas S., Kappel Schmidt I., Steenberg Larsen K., Beier C., Berg B. and Verheyen K.	https://www.sciencedirect.com/science/article/pii/S0048969718300123	https://doi.org/10.1016/j.scitotenv.2018.01.012
2018	CARBFLUX	Abstract in scientific meeting	High-Arctic weathering, sulfide oxidation and the Zackenberg river	Polar 2018 19 - 23 June 2018: SCAR/IASC Open Science Conference &	Stevenson E., Murphy M., Riis T., Tipper E. and Turchyn A.	https://www.polar2018.org/en-environment.html	

				Open COMNAP Session			
2018	CARBFLUX	Abstract in scientific meeting	Constraining silicate weathering fluxes in a high-Arctic river using Li-isotopes	Polar 2018 19 - 23 June 2018: SCAR/IASC Open Science Conference & Open COMNAP Session	Murphy M., Stevenson E. and Pogge Von Strandmann P.A.E.	https://www.polar2018.org/en-environment.html	
2018	COMICS-G	Abstract in scientific meeting	Microbial Diversity by NGS along a Vegetation Transect in West Greenland	Polar 2018 19 - 23 June 2018: SCAR/IASC Open Science Conference & Open COMNAP Session	Canini F., Pacelli C., Coleine C., Selbmann L., Onofri S., Zucconi L.	https://www.polar2018.org/en-environment.html	
2018	DATECH3	Scientific journal	Temperature estimation at the beginning of the last millennium in western Greenland: preliminary results from the application of a degree-day glaciological model on the Lyngmarksbræen glacier	<i>Géomorphologie: Relief, Processus, Environnement</i> 2018, Volume 24, Issue 1, 31-42	Biette M., Jomelli V., Favier V., Chenet M., Agosta C., Fettweis X., Minh D. T. H. and Ose K.	https://journals.openedition.org/geomorphologie/11977	https://doi.org/10.4000/geomorphologie.11977
2018	LAMELI	Abstract	Pigment cycles at high latitudes: an amphipolar perspective	Book of Abstracts of the First European Congress on Photosynthesis Research, ePS-1	Garcia-Plazaola J.I., Gago J., Clemente-Moreno M.J., Flexas J., Gulías J., Porcar-Castell A., Olascoaga B., Atherton J., Kolari P., López-Pozo M. and Fernández-Marín B.	http://eps1.org	
2018	ANSOC	Scientific journal	How animals follow the stars	<i>Proceedings of the Royal Society B - Biological Sciences</i> , Volume 285, Issue 1871	Foster J.J., Smolka J., Nilsson D. and Dacke M.	https://royalsocietypublishing.org/doi/10.1098/rspb.2017.2322	https://doi.org/10.1098/rspb.2017.2322
2018	ArcticFan	Abstract in scientific meeting	Quantification of short-term geomorphological effects of glacial lake outburst flood, Zackenberg Valley, West Greenland: Implementation of repeatable UAV surveys.	20th EGU General Assembly, EGU2018, Proceedings from the conference held 4-13 April, 2018 in Vienna, Austria, p.10868	Tomczyk A. and Ewertowski M.	https://meetingorganizer.copernicus.org/EGU2018/EGU2018-10868.pdf	
2018	CHECOMSCHA	Abstract in scientific meeting	Natural factors affecting water chemistry in headwater areas in subarctic environment (N Finland)	International Geographical Union Regional Conference "Appreciating Difference", August 6-11 2018, Quebec City (Canada)	Placzowska E. and Wasak K.		
2018	WoodForCE	Scientific journal	Pattern of carbohydrate changes in maturing xylem and phloem during growth to dormancy transition phase in <i>Picea Abies</i> (L.) Karst.	<i>Dendrobiology</i> , Volume 80, 12-23	Traversari S., Emiliani G., Traversi M.L., Anichini M. and Giovannelli A.	http://www.idpan.poznan.pl/content-dendrobiology/v80/2047-80-12-23	http://dx.doi.org/10.12657/dendro.080.002
2018	WoodForCE	Scientific journal	Different clonal response to cypress canker disease based on transcription of suberin related genes and bark carbohydrates content.	<i>Trees</i> , Volume 32, Issue 6, 1707-1722	Danti R., Rotordam M.G., Emiliani G., Giovannelli A., Papini A., Tani C. and Barberini S.	https://agris.fao.org/agris-search/search.do?recordID=US201900044834	

2018	WoodForCE	Scientific journal	Can sugar metabolism in the cambial region explain the water deficit tolerance in poplar?	<i>Journal of Experimental Botany</i> , Volume 69, Issue 16, 4083-4097	Traversari S., Francini A., Traversi ML., Emiliani G., Sorce C., Sebastiani L. and Giovannelli A.	https://academic.oup.com/jxb/article/69/16/4083/5005952	https://doi.org/10.1093/jxb/ery195
2018	WoodForCE	Scientific journal	Microwave assisted pyrolysis of crop residues from <i>Vitis vinifera</i> .	<i>Journal of Analytical and Applied Pyrolysis</i> , Volume 130, 305-313	Bartoli M., Rosi L., Giovannelli A., Frediani P., Passaponti M. and Frediani M.	https://www.sciencedirect.com/science/article/pii/S0165237017306757	https://doi.org/10.1016/j.jaap.2017.12.018
2018	WoodForCE	Scientific journal	High-resolution analytical approach to describe the sensitivity of tree-environment dependences through stem radial variations.	<i>Forests</i> , Volume 9, Issue 3, 134	Cocozza C., Tognetti R. and Giovannelli A.	https://www.mdpi.com/1999-4907/9/3/134	https://doi.org/10.3390/f9030134
2018	WoodForCE	Scientific journal	Assessment of glycerol usage by five different purple non-sulfur bacteria strains for bioplastic production.	<i>Journal of Environmental Chemical Engineering</i> , Volume 6, Issue 1, 616-622	Padovani G., Emiliani G., Giovannelli A., Traversi ML. and Carozzi P.	https://www.sciencedirect.com/science/article/pii/S2213343717306899?via%3Dihub	https://doi.org/10.1016/j.jece.2017.12.050
2018	WoodForCE	Scientific journal	Community fingerprinting reveals increasing wood-inhabiting fungal diversity in unmanaged Mediterranean forest.	<i>Forest Ecology and Management</i> , Volume 408, 202-210	Pioli S., Antonucci S., Giovannelli A., Traversi ML., Borruso L., Bani A., Brusetti L. and Tognetti R.	https://www.sciencedirect.com/science/article/pii/S0378112717315578	https://doi.org/10.1016/j.foreco.2017.10.052
2018	DECAFOR	Scientific journal	Deadwood volume and carbon stock assessment in birch-spruce forests of the Khibiny Mountains (Kola Peninsula, NW Russia)	<i>Journal of Sustainable Forestry</i> , Volume 40, Issue 4, 385-400	Paletto A., De Meo I. and Agnelli A.E.	https://www.tandfonline.com/doi/abs/10.1080/10549811.2020.1767144	https://doi.org/10.1080/10549811.2020.1767144
2018	AOM-PEaT	Proceedings	First-time in situ belowground labeling for CH ₄ -turnover studies: a case experiment at a Swedish boreal peatland	American Geophysical Union, Fall Meeting 2018, abstract id. B43F-07	Dorodnikov M., Knorr K. and Nilsson M. B.	https://agu.confex.com/agu/fm18/meetingapp.cgi/Person/746479	
2018	WILDSSENS	Proceedings	Making sense of the wild: integrated participatory mapping for understanding community relationships to dynamic mountain landscapes.	5th European Congress of Conservation Biology, June 12th-15th 2018, Jyväskylä, Finland.	Carruthers-Jones J., Eldridge A. and Norum R.	https://peerageofscience.org/conference/eccb2018/posters/	
2018	CRYPTOGAM	Scientific journal	From barren substrate to mature tundra – lichen colonization in the forelands of Svalbard glaciers	<i>Acta Societatis Botanicorum Poloniae</i> , 2018, Volume 87, Issue 4	Wietrzyk-Pelka P., Otte V., Węgrzyn M. H. and Olech M.	https://pbsociety.org.pl/journals/index.php/asbp/article/view/asbp.3599	https://doi.org/10.5586/asbp.3599
2018	ReTurn	Scientific journal	Long-term vegetation changes of treeless heath communities in northern Fennoscandia: Links to climate change trends and reindeer grazing	<i>Journal of Vegetation Science</i> , Volume 29, Issue 3, 469-479	Maliniemi T., Kapfer J., Saccone P., Skog A. and Virtanen R.	https://onlinelibrary.wiley.com/doi/full/10.1111/jvs.12630	https://doi.org/10.1111/jvs.12630
2018	FESTUCA	Abstract in scientific meeting	Role of Epichloe symbiosis in local adaptation of their grass hosts	ISFEG10, 10th International Symposium on Fungal Endophytes of Grasses, Salamanca, Spain June 18-21 2018	Leinonen P., Helander M., Vazquez de Aldana B. R., Zabalgoitia I. and Saikkonen K.		
2018	ARCTOSTRES	Scientific journal	Following the Cold: Geographic	<i>Systematic Entomology</i> ,	Martinet B., Lecocq T., Brasero N., Biella P.,	https://onlinelibrary.wiley.com/doi	https://doi.org/10.1111/syen

			Differentiation between Interglacial Refugia and Speciation in Arcto-Alpine Species Complex <i>Bombus monticola</i> (Hymenoptera: Apidae)	Volume 43, Issue 1, 200-217	Urbanová K., Valterová I., Cornalba M., Gjershaug J. O., Michez D. and Rasmont P.	i/10.1111/syen.12268	12268
2017	AmpAr-AGE	Scientific journal	Small-scale spatial and temporal variation of life history traits of common frogs (<i>Rana temporaria</i>) in sub-Arctic Finland	<i>Polar Biology</i> , Volume 40, 1581–1592	Cogălniceanu D., Băncilă R.I., Plăiașu R., Roșioru D. and Merilä, J.	https://link.springer.com/article/10.1007/s00300-017-2081-8	https://doi.org/10.1007/s00300-017-2081-8
2017	ALBICE	Scientific journal	Statistical EOF analysis of spatiotemporal glacier mass- balance variability: A case study of Mittivakkat Gletscher, SE Greenland	<i>Geografisk Tidsskrift – Danish Journal of Geography</i> , 2018, Volume 118, Issue 1, 1-16	Mernild, S. H., Knudsen, N. T., Hasholt, B., Beckerman, A. P., and Yde, C.	https://www.tandfonline.com/doi/full/10.1080/00167223.2017.1386581	https://doi.org/10.1080/00167223.2017.1386581
2017	ARCTOSTRES	Scientific journal	The cephalic labial gland secretions of two socially parasitic bumblebees <i>Bombus hyperboreus</i> (Alpinobombus) and <i>Bombus inexpectatus</i> (Thoracobombus) question their inquiline strategy	<i>Insect Science</i> , Volume 25, Issue 1, 75–86.	Brasero N. , Martinet B., Lecocq T., Lhomme P., Biella P., Valterova I., Urbanova K., Cornalba M., Hines H. and Rasmont P.	https://pubmed.ncbi.nlm.nih.gov/27696706/	10.1111/1744-7917.12408
2017	ARCTOSTRES	Abstract in scientific meeting	Heat Stupor in Arctic bumblebees: physiological resistance along the Polar Circle	Toolik field station arctic conference	Martinet B. and Rasmont P.	https://di.umons.ac.be/details.aspx?pub=5f84d70d-ae39-4c06-b845-d812b53ffcad	
2017	WoodForCE	Scientific journal	Mortality, re-sprouting vigor and physiology of coppice stumps after mechanized cutting.	<i>Annals of Forest Science</i> , Volume 74, Issue 5	Spinelli R., Pari L., Aminti G., Magagnotti N. and Giovannelli A.	https://link.springer.com/article/10.1007/s13595-016-0604-z	https://doi.org/10.1007/s13595-016-0604-z
2017	WoodForCE	Scientific journal	Xylem morphology determines the drought response of two <i>Arundo donax</i> ecotypes from contrasting habitats.	<i>Global Change Biology and Bioenergy</i> , Volume 9, Issue 1,119-131	Haworth M., Centritto M., Giovannelli A., Marino G., Proietti N., Capitani D., De Carlo A. and Loreto F.	https://onlinelibrary.wiley.com/doi/full/10.1111/gcbb.12322	https://doi.org/10.1111/gcbb.12322
2017	GHG-FLUX+	Scientific journal	Net ecosystem exchange and energy fluxes measured with the eddy covariance technique in a western Siberian bog	<i>Atmospheric Chemistry and Physics</i> , Volume 17, Issue, 5, 9333-9345	Alekseychik P., Mammarella I., Karpov D., Dengel S., Terentjeva I., Sabrekov A., Glagolev M., and Lapshina E.	https://www.atmos-chem-phys.net/17/9333/2017/	https://doi.org/10.5194/acp-17-9333-2017
2017	S - TRACES	Scientific journal	The annual growth rings beyond the tree line – a case study from Greenland	<i>Reports of Forestry Research</i> , Volume 62, Issue 2, 101-108	Lehejček J. and Svoboda M.		

Appendix 2: List of publications based on TA user visits in 2011 – 2015 during INTERACT I

year	project_acronym	publication_type	title	references	authors	web_address	doi
2021	SpongePOP	Scientific Journal	Ice melt-induced variations of structural and functional traits of the aquatic microbial community along an Arctic river	Water, Volume 13, Issue 16, 2297	Papale M., Rizzo C., Caruso G., Amalfitano S., Maimone G., Miserocchi S., La Ferla R., Aspholm P. E., Decembrini F., Azzaro F., Conte A., Graziano G., Rapazzo A. C., Lo Giudice A. and Azzaro M.	https://www.mdpi.com/2073-4441/13/16/2297	https://doi.org/10.3390/w13162297
2020	MicroREM & SedMicro	Scientific Journal	Bacterial Diversity in a Dynamic and Extreme Sub-Arctic Watercourse (Pasvik River, Norwegian Arctic)	Water, Volume 12, Issue 11, 3098	Papale M., Rappazzo A. C., Mikkonen A., Rizzo C., Moscheo F., Conte A., Michaud L., Lo Giudice A.	https://www.mdpi.com/2073-4441/12/11/3098	https://doi.org/10.3390/w12113098
2020	C-DEFOL2	Scientific journal	Moth Outbreaks Reduce Decomposition in Subarctic Forest Soils	Ecosystems, Volume 23, 151–163	Sandén H., Mayer M., Stark S., Sandén T., Nilsson L. O., Jepsen J. U., Wäli P. R. and Rewald B.	https://link.springer.com/article/10.1007%2Fs10021-019-00394-6	https://doi.org/10.1007/s10021-019-00394-6
2019	ALPINOBOMBUS	Scientific journal	Integrative taxonomy of an arctic bumblebee species complex highlights a new cryptic species (Apidae: Bombus)	Zoological Journal of the Linnean Society, Volume 187, Issue 3, 599–621	Martinet B., Lecocq T., Braserio N., Gerard M., Urbanová K., Valterová I., Gjershaug J. O., Michez D. and Rasmont P.	https://academic.oup.com/zoolinnean/article/187/3/599/5557776?login=true	https://doi.org/10.1093/zoolinnean/zlz041
2019	SedMicro	Scientific Journal	Heavy metal tolerance and polychlorinated biphenyl oxidation in bacterial communities inhabiting the Pasvik River and the Varanger Fjord area (Arctic Norway)	Marine Pollution Bulletin, Volume 141, 535-549	Rappazzo A. C., Papale M., Rizzo C., Conte A., Giannarelli S., Onor M., Abete C., Cefali P., De Domenico E., Michaud L., Lo Giudice A.	https://www.sciencedirect.com/science/article/abs/pii/S0025326X1930044X?via%3Dihub	https://doi.org/10.1016/j.marpolbul.2019.01.070
2019	SpongePOP	Scientific Journal	Heavy metal resistance in bacteria from contaminated Arctic sediment is driven by heavy metal local inputs	Archives of Environmental Contamination and Toxicology, Volume 77, 291-307	Caputo S., Papale M., Rizzo C., Giannarelli S., Conte A., Moscheo F., Graziano M., Aspholm P. E., Onor M., De Domenico E., Miserocchi S., Michaud L., Azzaro M. and Lo Giudice A.	https://link.springer.com/article/10.1007%2Fs00244-019-00628-7	https://doi.org/10.1007/s00244-019-00628-7
2019	CONCUR	Scientific journal	Ice cover decay and heat balance in Lake Kilpisjärvi in Arctic tundra	Journal of Limnology, Volume 78, Issue 2	Leppäranta M., Lindgren E., Wen L., Kirillin G.	https://jlimnol.it/index.php/jlimnol/article/view/jlimnol.2019.1879	https://doi.org/10.4081/jlimnol.2019.1879
2019	ResArcComm	Scientific journal	Ecology of peatland testate amoebae in the Alaskan continuous permafrost zone	Ecological Indicators, Volume 96, Part 1, 153-162	Taylor L. S., Swindles G. T., Morris P. J. and Gafkac M.	https://www.sciencedirect.com/science/article/pii/S1470160X18306502	https://doi.org/10.1016/j.ecolind.2018.08.049
2019	SYNCHROTREES	Scientific journal	Recent loss of sensitivity to summer temperature constrains tree growth synchrony among boreal Eurasian forests	Agricultural and Forest Meteorology, Volume 268, 318-330	Shestakova T. A., Gutiérrez E., Valeriano C., Lapshina E. and Voltas J.	https://www.sciencedirect.com/science/article/pii/S0168192319300474	https://doi.org/10.1016/j.agrformet.2019.01.039
2018	SpongePOP	Scientific Journal	Bacterial isolates from the Arctic region (Pasvik River, Norway): assessment of	Environmental Science and Pollution Research,	Laganà, P., Votano, L., Caruso, G., Azzaro M., Lo Giudice A. and Delia S.	https://link.springer.com/article/10.1007%2Fs11356-017-0485-6	https://doi.org/10.1007/s11356-017-0485-6

			biofilm production and antibiotic susceptibility profiles	Volume 25, 1089-1102		1	
2018	SpongePOP	Abstract in scientific meeting	Abundances and activities of prokaryotic community in water of an Arctic river	POLAR 2018, Davos (Switzerland), 15-26 June 2018	Graziano M., Papale M., Conte A., Caruso G., Rappazzo A.C., Lo Giudice A., Aamalfitano S., Maimone G., Rizzo C., Savoca S., De Domenico E., La Ferla R. and Azzaro M.	https://www.polar2018.org/en-environment.html	
2018	SpongePOP	Abstract in scientific meeting	Prokaryotic communities in sediments along the Pasvik River (Arctic Norway).	POLAR 2018, Davos (Switzerland), 15-26 June 2019	Graziano M., Papale M., Conte A., Caruso G., Rappazzo A.C., Lo Giudice A., Aamalfitano S., Maimone G., Rizzo C., Savoca S., De Domenico E., La Ferla R. and Azzaro M.	https://www.polar2018.org/en-environment.html	
2018	LACUNA	Scientific journal	Turbulent mixing and heat fluxes under lake ice: the role of seiche oscillations	<i>Hydrology and Earth System Sciences</i> , Volume 22, Issue 12, 6493-6504	Kirillin, G., Aslamov, I., Leppäranta, M. and Lindgren, E.	https://hess.copernicus.org/articles/22/6493/2018/	https://doi.org/10.5194/hess-22-6493-2018
2018	CASAS	Scientific journal	Plant functional trait change across a warming tundra biome	<i>Nature</i> , Volume 562, 57-62	Bjorkman A.D., Myers-Smith I.H., Elmendorf S.C. et al.	https://www.nature.com/articles/s41586-018-0563-7	https://doi.org/10.1038/s41586-018-0563-7
2018	SoilTemp	Scientific journal	Tundra Trait Team: A database of plant traits spanning the tundra biome.	<i>Global Ecology and Biogeography</i> , Volume 27, Issue 12, 1402-1411	Bjorkman A.D., Myers-Smith I.H., Elmendorf S.C. et al.	https://onlinelibrary.wiley.com/doi/10.1111/geb.12821	https://doi.org/10.1111/geb.12821
2018	ATINAO, CLAHALSAR	Scientific journal	Influence of larval outbreaks on the climate reconstruction potential of an Arctic shrub	<i>Dendrochronologia</i> , Volume 49, 36-43	Wilmking M., Buras A., Lehejček J., Van Der Maaten E., Lange J. and Shetti R.	https://www.sciencedirect.com/science/article/pii/S1125786517301649	https://doi.org/10.1016/j.dendro.2018.02.010
2018	QUANTIQ	Scientific journal	Assessing changes in arthropod predator–prey interactions through DNA-based gut content analysis—variable environment, stable diet	<i>Molecular Ecology</i> , Volume 28, Issue 2, 266-280	Eitzinger B., Abrego N., Gravel D., Huotari T., Vesterinen E. J. and Roslin T.	https://onlinelibrary.wiley.com/doi/10.1111/mec.14872	https://doi.org/10.1111/mec.14872
2018	SrhECC2	Scientific journal	Exploring drivers of litter decomposition in a greening Arctic: results from a transplant experiment across a treeline	<i>Ecology</i> , Volume 99, Issue 10, 2284-2294	Parker T. C., J. Sanderman J., Holden R. D., Blume-Werry G., Sjögersten S., Large D., Castro-Díaz M., Street L.E., Subke J.A. and Wookey P.A.	https://esajournals.onlinelibrary.wiley.com/doi/10.1002/ecy.2442	https://doi.org/10.1002/ecy.2442
2018	AlpFlorEurope	Scientific Journal	Accelerated increase in plant species richness on mountain summits is linked to warming	<i>Nature</i> , Volume 556, 231–234	Steinbauer M. J., Grytnes J., Jurasinski G., Kulonen A. et al.	https://www.nature.com/articles/s41586-018-0005-6	https://doi.org/10.1038/s41586-018-0005-6
2017	SpongePOP	Abstract in scientific meeting	PCB-oxydizing bacteria from the freshwater sponge <i>Spongilla lacustris</i> (Linnaeus, 1759) (Pasvik River, Arctic Norway).	90° Convegno della Società Italiana di Biologia Sperimentale (SIBS-90), Trapani (Italy), 27-28 October 2017.	Graziano M., Papale M., Conte A., Moscheo F., Caputo S., Mikkonen A., Giannarelli S., Manconi R., De Domenico E., Lo Giudice A. and Azzaro M.	http://www.sibsperimentale.it/90-convegno-sibs-trapani/	
2017	SpongePOP	Abstract in scientific meeting	Microbial assemblage in the Pasvik river (Arctic Norway): physiological characterization by Life Detector Chip (LDC) antibody microarray during two seasonal surveys.	XXIII Congresso AIOL, Cagliari (Italy), 26-29 September 2017.	Caruso G., Gallardo Carreño I., Azzaro M., Papale M., Conte A., Graziano M., Lo Giudice A. and Parro V.	http://www.aiol.info/wp-content/uploads/LIBRO-ABSTRACT-FINALE.pdf	

2017	SpongePOP	Abstract in scientific meeting	Heavy metal tolerant bacteria from contaminated sites along the Pasvik River (High Arctic Norway).	XXVII Congresso della Società Italiana di Ecologia (SItE), Naples (Italy), 12-15 september 2017.	Graziano M., Caputo S., Moscheo F., Papale M., Conte A., Azzaro M., Rizzo C., De Domenico E. and Lo Giudice A.	https://www.ecologia.it/news/xvii-congresso-della-societa-italiana-di-ecologia/	
2017	SpongePOP	Abstract in scientific meeting	PCB-oxidizing bacteria along the Pasvik River (High Arctic Norway).	XXVII Congresso della Società Italiana di Ecologia (SItE), Naples (Italy), 12-15 september 2017.	Graziano M., Papale M., Conte A., De Domenico E., Mikkonen A., Azzaro M. and Lo Giudice A.	https://www.ecologia.it/news/xvii-congresso-della-societa-italiana-di-ecologia/	
2017	GAP	Scientific journal	Ecology and management history drive spatial genetic structure in Scots pine	<i>Forest Ecology and Management</i> , Volume 400, 68-76	González-Díaz P., Jump A. S., Perry A., Wachowiak W., Lapshina E. and Cavers S.	https://www.sciencedirect.com/science/article/pii/S0378112717304553	https://doi.org/10.1016/j.foreco.2017.05.035
2017	PIHAL	Scientific journal	Microclimate variability in alpine ecosystems as stepping stones for non-native plant establishment above their current elevational limit	<i>Ecography</i> , Volume 41, 900-909	Lembrechts J. J., Lenoir J., Nuñez M. A., Pauchard A., Geron C., Bussé G., Milbau A. and Nijs I.	http://www.ecography.org/appe/ndix/ecog-03263	DOI 10.1111/ecog.03263
2017	VegPerm	Scientific journal	Above- and below-ground responses of four tundra plant functional types to deep soil heating and surface soil fertilization	<i>Journal of Ecology</i> 2017, Volume 105, Issue 4, 947-957	Wang P., Limpens J., Mommer L., van Ruijven J., Nauta A. L., Berendse F., Schaepman-Strub G., Blok D., Maximov T. C. and Heijmans M. M. P. D.	http://onlinelibrary.wiley.com/doi/10.1111/1365-2745.12718/abstract;jsessionid=5403F6956C12CFA5B209038534048E4D.f02t04	https://www.frontiersin.org/journals/sustainable-food-systems/sections/aquatic-foods#editorial-board
2017	VegPerm	Scientific journal	Thaw pond development and initial vegetation succession in experimental plots at a Siberian lowland tundra site	<i>Plant and Soil</i> , Volume 420, 147-162	Li B., Heijmans M. M. P. D., Blok D., Wang P., Karsanaev S. V., Maximov T. C., van Huissteden J. and Berendse F.	https://link.springer.com/article/10.1007%2Fs11104-017-3369-8	https://doi.org/10.1007/s11104-017-3369-8
2017	ATINAO, CLAHALSAR	Scientific journal	Wood-anatomy of <i>Juniperus communis</i> : a promising proxy for paleoclimate reconstructions in the Arctic	<i>Polar Biology</i> , Volume 40, Issue 5, 977 - 988	Lehejček J., Buras A., Svoboda M. and Wilmking M.	https://link.springer.com/article/10.1007/s00300-016-2021-z	https://doi.org/10.1007/s00300-016-2021-z
2017	PEATEDGE	Scientific journal	Ecological and environmental transition across the forested-to-open bog ecotone in a west Siberian peatland.	<i>Science of the Total Environment</i> , Volumes 607-608, 816-828	Ratcliffe J.L., Creevey A., Andersen R., Zarov E., Gaffney P.P., Taggart M.A., Mazei Y., Tsyganov A.N., Rowson J.G., Lapshina E.D. and Payne R.J.	https://www.sciencedirect.com/science/article/pii/S0048969717317035	https://doi.org/10.1016/j.scitotenv.2017.06.276
2017	CARFLUX	Scientific journal	Impact of decade-long warming, nutrient addition and shading on emission and carbon isotopic composition of CO ₂ from two subarctic dwarf shrub heaths	<i>Soil Biology and Biochemistry</i> , Volume 111, 15-24	Ravnab N. R., Ambus P. and Michelsen A.	https://www.sciencedirect.com/science/article/pii/S0038071716307568?via%3Dihub	https://doi.org/10.1016/j.soilbio.2017.03.016
2017	ATINAO, CLAHALSAR	Scientific journal	Shrubs shed light on 20th century Greenland Ice Sheet melting	<i>Boreas</i> , Volume 46, Issue 4, 667-677	Burras A., Lehejček J., Michalová Z., Morrissey R., Svoboda M. and Wilmking M.		https://doi.org/10.1111/bor.12244
2017	ECO-SEE	Scientific journal	Environmental tastes as predictors of environmental opinions and behaviors	<i>Landscape and Urban Planning</i> , Volume 161, 59-71	Daniel E. Orenstein, Tally Katz-Gerro, Jan Dick	https://www.sciencedirect.com/science/article/abs/pii/S0169204617300130?via%3Dihub	https://doi.org/10.1016/j.landurbplan.2017.01.005

2017	CryoLife	Scientific journal	Linking microbial diversity and functionality of Arctic glacial surface habitats. In prep.	<i>Environmental Microbiology</i> , Volume 19, Issue 2, 551-565	Lutz S., Anesio A. M., Edwards A. and Benning L. G.	https://sfamjournals.onlinelibrary.wiley.com/doi/10.1111/1462-2920.13494	https://doi.org/10.1111/1462-2920.13494
2016	MicroREM & SedMicro	Abstract in scientific meeting	Exploring microbial diversity in a dynamic and extreme ecosystem using the ion torrent technology	89th SIBS (Italian Society of Experimental Biology) "National Congress on Climate and Life" Ozzano dell'Emilia (Italy), 1-2 December 2016.	Papale M., Mikkonen A., Rizzo C., Conte A., De Domenico E. and Lo Giudice A.	https://www.pagepressjournals.org/index.php/jbr/article/view/6432	
2016	CONCUR	Proceedings	Heat flux at the base of lake ice cover estimated from fine structure of the ice-water boundary layer	EGU General Assembly Conference Abstracts 18, EGU2016-9530	Kirillin G., Aslamov I., Kozlov V., Granin N., Engelhardt C. and Förster J.	http://adsabs.harvard.edu/abs/2016EGUGA..18.9530K	
2016	PIHAL	Scientific journal	Disturbance is the key to plant invasions in cold environments	<i>Proceedings of the National Academy of Science of the USA</i> , Volume 113, Issue 49, 14061-14066	Lembrechts J. J., Pauchard A., Lenoir J., Nuñez M. A., Geron C., Ven A., Bravo-Monasterio P., Teneb E., Nijs I. and Milbau A.	https://www.pnas.org/content/113/49/14061.abstract	https://doi.org/10.1073/pnas.1608980113
2016	PEATEDGE	Scientific journal	Tree encroachment may lead to functionally-significant changes in peatland testate amoeba communities.	<i>Soil Biology and Biochemistry</i> , Volume 98, 18-21	Payne R.J., Creevy A., Malysheva E., Ratcliffe J., Andersen R., Tsyganov A.N., Rowson J.G., Marcisz K., Zielińska M., Lamentowicz M. and Lapshina E.D.	https://www.sciencedirect.com/science/article/pii/S0038071716300293?via%3Dihub	https://doi.org/10.1016/j.soilb.2016.04.002
2016	EMPETRUM-ADAPT	Scientific journal	Clonality increases with snow depth in the arctic dwarf shrub Empetrum hermaphroditum	<i>American Journal of Botany</i> , Volume 103, Issue 12, 2105-2114	Miriam J. Bienau, R. Lutz Eckstein, Annette Otte, Walter Durka	https://bsapubs.onlinelibrary.wiley.com/doi/full/10.3732/ajb.1600229	https://doi.org/10.3732/ajb.1600229
2016	CryoLife	Scientific journal	The biogeography of red snow microbiomes and their role in melting arctic glaciers	<i>Nature (Nature Communications)</i> , Volume 1, Issue 11968	Lutz S., Anesio A. M., Raiswell R., Edwards A., Newton R. J., Gill F. and Benning L. G.	https://www.nature.com/articles/ncomms11968	https://doi.org/10.1038/ncomms11968
2015	SedMicro	Abstract in scientific meeting	Heavy metal contamination and heavy metal tolerant bacterial communities in sediment along the Pasvik River (Arctic Norway).	XXII Congresso dell'Associazione Italiana di Oceanologia e Limnologia, Verbania (Italy) 28 september -1 october 2015.	Caputo S., Papale M., Graziano M., Conte A., Giannarelli S., Moscheo F., Baudone I., De Domenico E., Onor M., Rizzo C., Lo Giudice A. and Azzaro M.	http://www.aiol.info/congressi-aiol-storico/	
2015	SedMicro	Abstract in scientific meeting	Tolerance to heavy metals and polychlorinated biphenyl biodegradation potential by Arctic bacteria from continental Norway.	6th International Conference on Polar and Alpine Microbiology, České Budějovice (Czech Republic), 6-10 september 2015.	Rappazzo A. C., Papale M., Rizzo C., Conte A., Graziano M. and Lo Giudice A.	https://iasc.info/images/working-groups/cryosphere/activities/6_Int_Conference_on_Polar_and_Alpine_Microbiology.pdf	
2015	MicroREM, SedMicro	Master Thesis	Applicazione dello Ion Torrent per lo studio della biodiversità batterica (Norvegia artica).	Master course in BIOLOGIA ED ECOLOGIA	Moscheo F.		

				DELL'AMBIENTE MARINO COSTIERO, University of Messina (Italy)			
2015	SpongePOP	Abstract in scientific meeting	Seasonal study on the microbial community inhabiting the Pasvik river (Arctic Norway) - Part I: Water.	XXII Congresso dell'Associazione Italiana di Oceanologia e Limnologia, Verbania (Italy) 28 September -1 October 2015.	Graziano M., Caruso G., Rappazzo A.C., Papale M., Maimone G., Conte A., Lo Giudice A., De Domenico E., La Ferla R. and Azzaro M.	http://www.aiol.info/congressi-aiol-storico/	
2015	SpongePOP	Abstract in scientific meeting	Seasonal study on the microbial community inhabiting the Pasvik River (Arctic Norway) - Part II Sediments.	XXII Congresso dell'Associazione Italiana di Oceanologia e Limnologia, Verbania (Italy) 28 September - 1 October 2015.	Graziano M., Papale M., Caruso G., Conte A., Rappazzo A. C., Lo Giudice A., Maimone G., De Domenico E., Mikkonen A., La Ferla R. and Azzaro M.	http://www.aiol.info/congressi-aiol-storico/	
2015	SpongePOP	Master Thesis	Inquinamento da policlorobifenili nella Norvegia artica e batteri PCB-degradanti.	Master course in BIOLOGIA ED ECOLOGIA DELL'AMBIENTE MARINO COSTIERO, University of Messina (Italy).	Graziano M.		
2015	SpongePOP	Master Thesis	Microrganismi artici metallo-tolleranti lungo il fiume Pasvik e nei fiordi adiacenti (Norvegia Continentale).	Master course in BIOLOGIA ED ECOLOGIA DELL'AMBIENTE MARINO COSTIERO, University of Messina (Italy).	Caputo S.		
2015	CryoLife	Abstract in scientific meeting	Pan-Arctic drivers of glacial microbial community structure and function	25th Goldschmidt conference, Prague.	Lutz S., Anesio A. M., Edwards A., Newton R. J., Gill F. and Benning L. G.	http://goldschmidt.info/2015/abstracts/abstractView?abstractId=1682	
2015	CryoLife	Abstract in scientific meeting	Biogeography and functionality of microbial glacial surface communities across the Arctic.	6th Polar and Alpine Microbiology Conference, České Budějovice	Lutz S., Anesio A. M., Raiswell R., Edwards A., Newton R. J., Gill F. and Benning L. G.	http://polaralpinemicrobiology2015.prf.jcu.cz/data/uploads/pam_2015_boa_small.pdf	
2015	CryoLife	Abstract in scientific meeting	Cryo-life habitability: Diversity and function of Arctic glacial surfaces.	Environmental Mineralogy Group & Geomicrobiology Network, Leeds.	Lutz S., Anesio A. M., Edwards A., Newton R. J., Gill F. and Benning L. G.		
2015	CryoLife	Abstract in scientific meeting	Chemical Weathering in an Arctic Glacial Forefield.	Nutrient Cycling on the Modern and Ancient	Blacker J.B., Bottrell S. H., Anesio A. M., Bradley J., Barker G., Tranter M. and Benning L.		

				Earth conference, Leeds	G.		
2015	DIVERSOIL	Scientific journal	Functional diversity of soil microbial communities under Scots pine, Norway spruce, silver birch and mixed boreal forests	<i>Pedobiologia-Journal of Soil Ecology</i> , Volume 58, 81-88	Chodak M., Klimek B., Azarbad H. and Jaźwa M.	https://www.sciencedirect.com/science/article/abs/pii/S0031405615000310	https://doi.org/10.1016/j.pedobi.2015.04.002
2015	DIVERSOIL	Seminar	Soil temperature sensitivity and functional diversity of microbial communities in boreal forest	Weekly seminar meeting on Institute of Environmental Sciences, Jagiellonian University, Poland	Klimek B.	http://www.eko.uj.edu.pl/index.php/en/	
2015	PATTERN	Scientific journal	Comparing carbon storage of Siberian tundra and taiga permafrost ecosystems at very high spatial resolution	<i>Journal of Geophysical Research - Biogeoscience</i> , Volume 120, Issue 10, 1973-1994	Siewert M. B., Hanisch J., Weiss N., Kuhry P., Maximov T. C. and Hugelius G.	https://agupubs.onlinelibrary.wiley.com/doi/10.1002/2015JG002999	https://doi.org/10.1002/2015JG002999
2015	PATTERN	Scientific journal	Thermokarst dynamics and soil organic matter characteristics controlling initial carbon release from permafrost soils in the Siberian Yedoma region	<i>Sedimentary Geology</i> , Volume 340, 38-48	Weiss N., Blok D., Elberling B., Hugelius G., Jørgensen C. J., Siewert M. B. and Kuhry P.	https://www.sciencedirect.com/science/article/abs/pii/S0037073815002626	https://doi.org/10.1016/j.sedg.2015.12.004
2015	SIAI	Abstract in scientific meeting	Uplifting of palsa peatlands by permafrost identified by stable isotope depth profiles	EGU General Assembly, 12-17 April 2015, Vienna, Austria.	Krüger J. P., Conen F., Leifeld J. and Alewell C.		
2015	SIAI	Abstract in scientific meeting	Carbon isotopes as indicators of past and present environmental change in peatlands	5th Soil Organic Matter Symposium, 20-24 September 2015, Göttingen, Germany.	Krüger J. P., Conen F., Leifeld J. and Alewell C.		
2015	LAC-VEG	Abstract in scientific meeting	Variability in Arctic lake carbon processing during the Holocene along a landscape gradient, Disko Island, West Greenland.	ASLO Joint Aquatic Sciences Meeting, Granada, Spain	Stevenson M.A., McGowan S., Swann G.E.A. and Pearson E.J.		
2015	LAC-VEG	Abstract in scientific meeting	Critical transitions in carbon cycling across multiple catchments, Disko Island, West Greenland	INQUA Meeting, Nagoya, Japan (July-August 2015).	Stevenson M.A., McGowan S., Swann G.E.A. and Pearson E.J.		
2015	LAC-VEG	Abstract in scientific meeting	Holocene lake carbon cycling in an active Arctic landscape, Disko Island, West Greenland	International Paleolimnology Symposium, Lanzhou, China (August 2015).	Stevenson M.A., McGowan S., Swann G.E.A., Pearson E.J., Leng M.J. and Huang X.		
2015	LAC-VEG	Scientific journal	Long-term perspectives on terrestrial and aquatic carbon cycling from palaeolimnology	<i>WIREs-Water</i> , Volume 3, Issue 2, 211-234	McGowan S., Anderson N.J., Edwards M.E., Langdon P.G., Jones V.J., van Hardenbroek M., Whiteford E. and Wiik E.	https://wires.onlinelibrary.wiley.com/doi/full/10.1002/wat2.1130	https://doi.org/10.1002/wat2.1130
2015	GLAMOSEG	Scientific journal	Albedo decline on Greenland's Mittivakkat Gletscher in a warming climate	<i>International Journal of Climatology</i> , Volume 35, Issue 9, 2294-2307	Mernild S. H., Malmros J. K., Yde J.C., Wilson R., Knudsen N. T., Hanna E., Fausto R. S. and van As D.	https://rmets.onlinelibrary.wiley.com/doi/full/10.1002/joc.4128?casa_token=IRtZVp0vI94AAA%3A%3AgWpBH9iUp1Tuk1	https://doi.org/10.1002/joc.4128

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2015	ALPINOBOMBUS	Scientific journal	A Protocol to Assess Insect Resistance to Heat Waves, Applied to Bumblebees (Bombus Latreille, 1802)	PLoS ONE, Volume 10, Issue 3, e0118591	Martinet B., Lecocq T., Smet J. and Rasmont P.	https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0118591	https://doi.org/10.1371/journal.pone.0118591
2015	ALPINOBOMBUS	Scientific journal	Forward to the North: two Euro-Mediterranean bumblebee species now cross the Arctic Circle	Annales de la Société entomologique de France, Volume 51, Issue 4, 303-309	Martinet B., Rasmont P., Cederberg B., Evrard D., Ødegaard F., Paukkunen J. and Lecocq T.	https://www.tandfonline.com/doi/abs/10.1080/00379271.2015.1118357?journalCode=tase20	https://doi.org/10.1080/00379271.2015.1118357
2015	MICROTEA	Scientific journal	Fungal Biodiversity in the Alpine Tarfala Valley	Microorganisms, Volume 3, Issue 4, 612-624	Coleine C., Selbmann L., Ventura S. D'Acqui L.P., Onofri S. and Zucconi L.	https://www.mdpi.com/2076-2607/3/4/612	https://doi.org/10.3390/microorganisms3040612
2015	CONCUR, LACUNA	Scientific journal	Axisymmetric circulation driven by marginal heating in ice-covered lakes	Geophysical Research Letters, Volume 42, Issue 8, 2893-2900	Kirillin G. B., Forrest A. L., Graves K. E., Fischer A., Engelhardt C., and Laval B. E.	https://agupubs.onlinelibrary.wiley.com/doi/full/10.1002/2014GL062180	https://doi.org/10.1002/2014GL062181
2014	SedMicro	Master Thesis	Tolleranza ai metalli pesanti e policlorobifenili in batteri artici (Norvegia Continentale)	Master course in BIOLOGIA ED ECOLOGIA DELL'AMBIENTE MARINO COSTIERO, University of Messina (Italy).	Rappazzo A. C.		
2014	DIVERSOIL	Abstract in scientific meeting	Functional diversity of soil microbial communities under different boreal forests	First Global Soil Biodiversity Conference - Assessing soil biodiversity and its role for ecosystem services' 2-5 December 2014; Palais des Congrès, Dijon, France; Abstract book p.179	Chodak M., Klimek B., Azarbad H. and Jaźwa M.	http://www.gsbiconference.elsevier.com/	
2014	LAC-VEG	Abstract in scientific meeting	Algal records of carbon flux in Arctic lake sediments, Disko Island, west Greenland.	Journal of Paleolimnology, Volume 54, 53–69	Stevenson M.A., McGowan S., Pearson E.J., Swann G.E. and Whiteford E.J.	https://link.springer.com/article/10.1007%2Fs10933-015-9835-5	https://doi.org/10.1007/s10933-015-9835-5
2014	LAC-VEG	Abstract in scientific meeting	Pigment and lipid biomarker records of carbon flux in Arctic lake sediments, Disko Island, west Greenland	British Organic Geochemistry Society, Liverpool (July 2014)	Stevenson M.A., McGowan S., Pearson E., Hogan E. and Bailey J.		
2013	LAC-VEG	Abstract in scientific meeting	Biological and geochemical markers of carbon flux in Arctic lake sediments, Disko Island, Greenland	UK Arctic Science Conference 2013. Cambridge.	Stevenson M. A., McGowan S., Pearson E., Hogan E. and Bailey J.		

