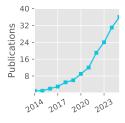
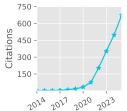
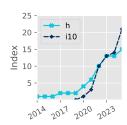
Denis Sergeev

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Total Pub. 36
Refereed 35
First Author 8
Citations 675
h-index 15

Updated: 23 Sept 2025

Career history

Jan 2025–now **Lecturer in Astrophysics**

School of Physics, University of Bristol

Sep 2021–Dec 2024 **Postdoctoral Researcher**

Project: Exascale Exoplanet Modelling

Department of Physics & Astronomy, University of Exeter

Sep 2018–Aug 2021 Postdoctoral Researcher

Project: Climate Modelling of Rocky Exoplanets

Department of Mathematics & Statistics, University of Exeter

Academic Qualifications

Oct 2014-Aug 2018 PhD in Meteorology

Thesis title (shortened): 'Characteristics of Polar Lows in the Nordic Seas'

School of Environmental Sciences, University of East Anglia Supervisors: Ian A. Renfrew, Thomas Spengler, Stephen Dorling

Sep 2009–May 2014 Specialist Diploma (1st class)

Thesis title: 'Idealised Numerical Modelling of Polar Mesocyclone Dynamics' Z

Department of Meteorology and Climatology, Moscow State University

Supervisor: Victor Stepanenko

Funding and Awards

| Direct Funding, PI | Est. Total Value |
|---|-------------------|
| 2024 Above & Beyond Silver Award University of Exeter | £1000 |
| 2023 Meeting Organisation Funding (Exoclimes VI and ExoSLAM) RAS | £5000 |
| 2022 Undergraduate Student Bursary (awarded; student declined) RAS | £1200 |
| 2017 Best Presentation Award CEEDA Symposium | \sim £ 100 |
| 2016 Travel Bursary Polar Prediction School | \sim £ 1000 |
| 2015 Travel Award High-Latitude Dynamics workshop | \sim £ 1000 |
| 2014 Lord Zuckerman PhD scholarship School of Environmental Sciences, UEA | \sim £ 112000 |
| 2014 Young Scientist Travel Award EGU General Assembly | \sim £ 200 |
| 2014 Russian Academy of Sciences Young Scientist Medal | \sim £ 1000 |
| Direct Funding, co-I | |
| 2024 UKSA Studentships: Mars Exploration Science | • |
| 2024 Research Software Engineer Support DiRAC HPC | \sim £ 45000 |
| Observational Facilities Resources | |
| 2023 JWST: 49.21 Primary Spacecraft Hours in Cycle 2 (GO 3838, Pl: J. Kirk) | • |

Research Interests

Atmospheric aerosols:

How do clouds, hazes and dust shape planetary climates?

Atmospheric convection on exoplanets:

How does convection shape global energy redistribution?

Extraterrestrial lightning:

How is lightning generated on exoplanets and can we detect it?

Publications (see below):

#17, 20, 22, 24, 27, 29, 34

#8, 17, 30, 35

#19, 35

Atmospheric dynamics on Earth and other planets:

How do wind jets and cyclones form in planetary atmospheres?

Planet formation:

How does atmospheric composition relate to the planet's history?

Model development and intercomparison:

• How do we build robust and reproducible exoplanet models?

#2, 3, 4, 5, 7, 10, 11, 13, 14, 16

#25, 28, 31, 32, 33

#12, 15, 16, 17, 18, 23, 30

Publications

(preprints in grey) Citations

- Ahrer, E., Fairman, C., Kirk, J., Wakeford, H. R., et al. (incl. **Sergeev, D. E.**), 2025, BOWIE-ALIGN: Weak spectral features in KELT-7b's JWST NIRSpec/G395H transmission spectrum imply a high cloud deck or a low-metallicity atmosphere, arXiv:2509.12479 2
- Mak, M. T., **Sergeev, D. E.**, Mayne, N. J., Zamyatina, M., et al., 2025, The impact of different haze types on the atmospheres and observations of hot Jupiters: 3D simulations of HD 189733b, HD 209458b, and WASP-39b, MNRAS
- Sergeev, D. E., McDermott, J. W., Woods, L., Braam, M., et al., 2025, Lightning activity on a tidally locked terrestrial exoplanet in storm-resolving simulations for a range of surface pressures, MNRAS ☑
- Meech, A., Claringbold, A. B., Ahrer, E., Kirk, J., et al. (incl. **Sergeev, D. E.**), 2025, BOWIE-ALIGN: **5** substellar metallicity and carbon depletion in the aligned TrES-4b with JWST NIRSpec transmission spectroscopy, MNRAS **2**
- Kirk, J., Ahrer, E., Claringbold, A. B., Zamyatina, M., et al. (incl. **Sergeev, D. E.**), 2025, BOWIE- **14** ALIGN: JWST reveals hints of planetesimal accretion and complex sulphur chemistry in the atmosphere of the misaligned hot Jupiter WASP-15b, MNRAS ✓
- Penzlin, A. B. T., Booth, R. A., Kirk, J., Owen, J. E., et al. (incl. **Sergeev, D. E.**), 2024, BOWIE-ALIGN: **19** how formation and migration histories of giant planets impact atmospheric compositions, MNRAS
- Sergeev, D. E., Boutle, I. A., Lambert, F. H., Mayne, N. J., et al., 2024, The Impact of the Explicit Representation of Convection on the Climate of a Tidally Locked Planet in Global Stretched-mesh Simulations, ApJ 🛂
- Natchiar, S. R. M., Webb, M. J., Lambert, F. H., Vallis, G. K., et al. (incl. **Sergeev, D. E.**), 2024, Reduction in the Tropical High Cloud Fraction in Response to an Indirect Weakening of the Hadley Cell, JAMES 2
- Zamyatina, M., Christie, D. A., Hébrard, E., Mayne, N. J., et al. (incl. **Sergeev, D. E.**), 2024, 13 Quenching-driven equatorial depletion and limb asymmetries in hot Jupiter atmospheres: WASP-96b example, MNRAS
- Mak, M. T., **Sergeev, D. E.**, Mayne, N., Banks, N., et al., 2024, 3D simulations of TRAPPIST-1e with 4 varying CO₂, CH₄, and haze profiles, MNRAS ☑
- Villanueva, G. L., Fauchez, T. J., Kofman, V., Alei, E., et al. (incl. **Sergeev, D. E.**), 2024, Modeling **10** Atmospheric Lines by the Exoplanet Community (MALBEC) Version 1.0: A CUISINES Radiative Transfer Intercomparison Project, Planet. Sci. J.
- Mak, M. T., Mayne, N. J., **Sergeev, D. E.**, Manners, J., et al., 2023, 3D Simulations of the Archean **6** Earth Including Photochemical Haze Profiles, J. Geophys. Res.: Atmospheres

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- 23 **Sergeev, D. E.**, Mayne, N. J., Bendall, T., Boutle, I. A., et al., 2023, Simulations of idealised 3D 12 atmospheric flows on terrestrial planets using LFRic-Atmosphere, Geosci. Model Dev. ☑
- Cohen, M., Bollasina, M. A., **Sergeev, D. E.**, Palmer, P. I., et al., 2023, Traveling Planetary-scale Waves 8 Cause Cloud Variability on Tidally Locked Aquaplanets, Planet. Sci. J. ☑
- 21 Eager-Nash, J. K., Mayne, N. J., Nicholson, A. E., Prins, J. E., et al. (incl. **Sergeev, D. E.**), 2023, 3D **6** Climate Simulations of the Archean Find That Methane has a Strong Cooling Effect at High Concentrations, J. Geophys. Res.: Atmospheres
- 20 McCulloch, D., **Sergeev, D. E.**, Mayne, N., Bate, M., et al., 2023, A modern-day Mars climate in the 6 Met Office Unified Model: dry simulations, Geosci. Model Dev.

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- 19 Braam, M., Palmer, P. I., Decin, L., Ridgway, R. J., et al. (incl. **Sergeev, D. E.**), 2022, Lightning- **16** induced chemistry on tidally-locked Earth-like exoplanets, MNRAS

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- Christie, D. A., Lee, E. K. H., Innes, H., Noti, P. A., et al. (incl. **Sergeev, D. E.**), 2022, CAMEMBERT: **8**A Mini-Neptunes General Circulation Model Intercomparison, Protocol Version 1.0.A CUISINES Model Intercomparison Project, Planet. Sci. J.
- 17 **Sergeev, D. E.**, Fauchez, T. J., Turbet, M., Boutle, I. A., et al., 2022, The TRAPPIST-1 Habitable **67** Atmosphere Intercomparison (THAI). II. Moist Cases-The Two Waterworlds, Planet. Sci. J. 🗷
- Turbet, M., Fauchez, T. J., **Sergeev, D. E.**, Boutle, I. A., et al., 2022, The TRAPPIST-1 Habitable **55** Atmosphere Intercomparison (THAI). I. Dry Cases-The Fellowship of the GCMs, Planet. Sci. J. ☑
- Fauchez, T. J., Villanueva, G. L., **Sergeev, D. E.**, Turbet, M., et al., 2022, The TRAPPIST-1 Habitable **48** Atmosphere Intercomparison (THAI). III. Simulated Observables-the Return of the Spectrum, Planet. Sci. J. 🗹
- Sergeev, D. E., Lewis, N. T., Lambert, F. H., Mayne, N. J., et al., 2022, Bistability of the Atmospheric 27 Circulation on TRAPPIST-1e, Planet. Sci. J. ☑
- Cohen, M., Bollasina, M. A., Palmer, P. I., **Sergeev, D. E.**, et al., 2022, Longitudinally Asymmetric **14**Stratospheric Oscillation on a Tidally Locked Exoplanet, ApJ Z
- Fauchez, T. J., Turbet, M., **Sergeev, D. E.**, Mayne, N. J., et al., 2021, TRAPPIST Habitable Atmosphere **36** Intercomparison (THAI) Workshop Report, Planet. Sci. J. ☑
- Terpstra, A., Renfrew, I. A., & **Sergeev, D. E.**, 2021, Characteristics of Cold-Air Outbreak Events and **26**Associated Polar Mesoscale Cyclogenesis over the North Atlantic Region, J. Cli.

 Columnia

 Column
- Renfrew, I. A., Barrell, C., Elvidge, A. D., Brooke, J. K., et al. (incl. **Sergeev, D.**), 2021, An evaluation of surface meteorology and fluxes over the Iceland and Greenland Seas in ERA5 reanalysis: The impact of sea ice distribution, Q. J. R. Meteorol. Soc.
- 9 Eager-Nash, J. K., Reichelt, D. J., Mayne, N. J., Hugo Lambert, F., et al. (incl. **Sergeev, D. E.**), 2020, **25** Implications of different stellar spectra for the climate of tidally locked Earth-like exoplanets, A&A 🗹
- 8 **Sergeev, D. E.**, Lambert, F. H., Mayne, N. J., Boutle, I. A., et al., 2020, Atmospheric Convection **62** Plays a Key Role in the Climate of Tidally Locked Terrestrial Exoplanets: Insights from High-resolution Simulations, ApJ 🗹
- 7 Joshi, M. M., Elvidge, A. D., Wordsworth, R., & **Sergeev, D.**, 2020, Earth's Polar Night Boundary Layer 18 as an Analog for Dark Side Inversions on Synchronously Rotating Terrestrial Exoplanets, ApJ ☑
- 6 Renfrew, I. A., Pickart, R. S., Våge, K., Moore, G. W. K., et al. (incl. **Sergeev, D.**), 2019, The Iceland **27** Greenland Seas Project, BAMS ☑
- 5 **Sergeev, D.**, Renfrew, I. A., & Spengler, T., 2018, Modification of Polar Low Development by Orography **15** and Sea Ice, Mon. Wea. Rev. **Z**
- 4 Shestakova, A. A., Toropov, P. A., Stepanenko, V. M., **Sergeev, D. E.**, et al., 2018, Observations and **6** modelling of downslope windstorm in Novorossiysk, Dyn. Atm. Ocean.

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- 3 **Sergeev, D. E.**, Renfrew, I. A., Spengler, T., & Dorling, S. R., 2017, Structure of a shear-line polar low, 22 Q. J. R. Meteorol. Soc. ☑
- 2 Spengler, T., Renfrew, I. A., Terpstra, A., Tjernström, M., et al. (incl. **Sergeev, D.**), 2016, High- **7** Latitude Dynamics of Atmosphere-Ice-Ocean Interactions, BAMS

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- 1 Eliseev, A. V., & **Sergeev, D. E.**, 2014, Impact of subgrid-scale vegetation heterogeneity on the simulation of carbon-cycle characteristics, Izv. Atmos. Ocean. Phy.

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Conferences and Seminars

Invited Talks

- Feb 2025 Exoplanet climate modelling with LFRic University of East Anglia | Norwich, UK
- May 2024 3D simulations of exoplanet atmospheres with the next-generation Met Office model University of Leicester | Leicester, UK
- Apr 2024 Shall I compare thee to a distant world? Inter-planet and inter-model comparative studies

| | EGU General Assembly Vienna, Austria |
|---|---|
| Jul 2023 | Simulations of idealised 3D atmospheric flows on terrestrial planets using LFRic-Atmosphere |
| | NASA GISS Seminar Online |
| Mar 2023 | First results of using LFRic for exoplanet climate modelling NIWA Seminar Wellington, New Zealand |
| Feb 2023 | Atmospheric dynamics and chemistry on exoplanets |
| | UQ Astro Group Meeting Brisbane, Australia |
| Feb 2023 | Atmospheric dynamics and chemistry on exoplanets 🗹 |
| | UniSQ Exoplanet Group Seminar Brisbane, Australia |
| Feb 2023 | Atmospheric dynamics and chemistry on exoplanets |
| | UNSW AstroSeminar Sydney, Australia |
| Apr 2022 | Dichotomy of the atmospheric circulation on TRAPPIST-1e 🗹 |
| | NASA GISS Seminar Online |
| Jan 2022 | Dichotomy of the atmospheric circulation on TRAPPIST-1e |
| | NASA GSFC Extrasolar Planets Seminar Online |
| Nov 2021 | TRAPPIST-1 Habitable Atmosphere Intercomparison (THAI) |
| | MPIA APEx Exocoffee Online |
| May 2021 | Overcast on TRAPPIST-1e 🗹 |
| _ | RCC MSU Geophysical Seminar Online |
| Sep 2020 | Simulations of convection over a range of atmospheric conditions on TRAPPIST-1e 🗹 THAI Workshop Online |
| Apr 2020 | Atmospheric convection plays a key role in the climate of tidally locked exoplanets Z |
| | University of Reading Meteorology Seminar Online |
| Apr 2020 | Atmospheric convection plays a key role in the climate of tidally locked exoplanets 🗹 |
| | NASA GISS Seminar Online |
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| Contribut | ed Talks |
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Poster Presentations

| Jun 2024 | The impact of convection on the climate of a tidally locked planet in stretched-mesh simulations |
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| | Exoplanets 5 Leiden, Netherlands |
| Apr 2024 | The impact of convection on the climate of TRAPPIST-1e in global stretched-mesh simulations |
| | EGU General Assembly Vienna, Austria |
| Apr 2024 | The impact of convection on the climate of a tidally locked planet in stretched-mesh simulations |
| | UK Exoplanet Community Meeting Birmingham, UK |
| Nov 2022 | Dry Modern-Day Mars Climate in the Met Office Unified Model |
| | UK Solar System Planetary Atmospheres London, UK |
| Sep 2022 | Bistability of the Atmospheric Circulation on TRAPPIST-1e |
| | UK Exoplanet Community Meeting Edinburgh, UK |
| Jul 2015 | Structure and dynamics of a shear-line polar low during a cold-air outbreak over the Norwegian Sea |
| | Royal Meteorological Society Student Conference Birmingham, UK |
| Mar 2015 | Structure and dynamics of a shear-line polar low during a cold-air outbreak over the Norwegian Sea |
| | Dynamics of Atmosphere-Ice-Ocean Interactions in the High Latitudes workshop Rosendal, Norway |
| May 2014 | Numerical modelling of polar mesocyclones dynamics diagnosed by the energy budget |
| | EGU General Assembly Vienna, Austria |
| Apr 2013 | Impact of subgrid-scale vegetation heterogeneity on the carbon cycle |
| | EGU General Assembly Vienna, Austria |
| Apr 2013 | Numerical modelling of polar mesocyclones generation mechanisms |
| | EGU General Assembly Vienna, Austria |

Supervision

(Projects with me as the lead supervisor are in **bold**. Students who continued their academic career are underlined.)

PhD Supervision

| Sep 2025-Sep 2029 | Alex Corbett (U. Bristol) Project: Convection on Sub-Neptunes |
|-------------------|---|
| | · |
| | Co-supervisors: B. Shipway, Z. Leinhardt |
| Sep 2025-Sep 2029 | Will Luscombe |
| | Project: Forecasting Martian dust storms |
| | Co-supervisors: N. J. Mayne, M. Bate, B. Drummond |
| Sep 2021-Apr 2025 | Martha (Mei Ting) Mak (U. Exeter) |
| | Project: Hazes in Planetary Atmospheres |
| | Co-supervisors: N. J. Mayne, J. Manners, E. Hébrard |

Masters Supervision

| Jan 2023–May 2024 | Tom Batchelor, Luke Benzing, & <u>Alex McGinty</u> Project: Mars Atmosphere Modelling |
|-------------------|--|
| | Co-supervisors: M. Bate, N. J. Mayne, D. McCulloch |
| Sep 2020-Sep 2022 | Danny McCulloch (MSci by Research) |
| | Project: Climate Modelling of Modern-Day Mars |
| | Co-supervisors: M. Bate, N. J. Mayne |
| Apr 2021-Sep 2022 | Meghan Plumridge (MSci by Research) |
| | Project: Climate Modelling of Early Mars |
| | Co-supervisors: M. Bate, N. J. Mayne |
| Jan 2021–May 2022 | Jasper Chadwick & Esse Sellwood |
| | Project: Ocean Heat Transport on Rocky Exoplanets |
| | Co-supervisors: F. H. Lambert, J. Eager-Nash |
| Jan 2021–May 2022 | Isabelle Browne & Oakley Young |
| | Project: Greenhouse Effect on Early Mars |
| | Co-supervisors: F. H. Lambert, N. J. Mayne, J. Eager-Nash |
| Jan 2020–May 2021 | Toby Ferrison |
| | Project: Titan Climate Modelling |
| | Co-supervisor: F. H. Lambert |

Oct 2018-May 2019 Jake Eager-Nash & David Reichelt

Project: Implications of Stellar Type on the Climate of Tidally Locked Terrestrial Exoplanets

Co-supervisors: F. H. Lambert, N. J. Mayne

Undergraduate and Summer Internship Supervision

Jul-Sep 2022 Oakley Young

Project: Ekman Ocean Model

Co-supervisors: J. Eager-Nash, F. H. Lambert

Jun-Sep 2022 James McDermott & Lottie Woods

Project: Simulations of Lightning Storms on Tidally Locked Rocky Exoplanets

Jun-Aug 2021 Oakley Young

Project: Climate Modelling of Archean Earth Co-supervisors: J. Eager-Nash, N. J. Mayne

Jun-Aug 2021 Joshua Parkin & Esse Sellwood

Project: The Impact of Host Star Spectrum on the Climate of Rocky Exoplanets

Co-supervisors: J. Eager-Nash, N. J. Mayne

Jun-Aug 2019 Isobel Parry

Project: Water Cycle on Proxima Centauri b

Co-supervisor: F. H. Lambert

Teaching and Mentoring

| 2025-now | Environmental Physics |
|-----------|--|
| 2025 | Lecturer University of Bristol ~40 students |
| 2025-now | Practical Physics III: Research Skills and Group Project |
| 2025 | Tutor University of Bristol 2 groups of ∼7 students |
| 2025-now | Research Project in Physics |
| | Supervisor & assessor University of Bristol \sim 10 students |
| Jul 2024 | Algorithms For Exascale Summer School ♂ |
| | Invited lecturer University of Exeter \sim 20 students |
| Feb 2024 | Physics of Climate Change |
| | Workshop lead University of Exeter \sim 30 students |
| Jul 2023 | Climatematch Academy |
| | Mentor Online 3 groups of \sim 5 students |
| Jul 2023 | International Sustainability Summer School |
| | Lecturer \mid University of Exeter \mid \sim 10 students |
| Jun 2023 | Exoclimes Summer School in Atmospheres and Modelling (ExoSLAM) |
| | Lecturer University of Exeter \sim 50 students |
| 2016-2018 | Introduction to Python in Environmental Sciences 🗹 |
| | Course creator & lead University of East Anglia \sim 50 students |
| 2015-2017 | Modelling Environmental Processes; Meteorology; Numerical Skills |
| | Teaching assistant University of East Anglia |
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Research Leadership and Impact

| 2024-now | Co-lead of Climates Using Interactive Suites of Intercomparisons Nested for Exoplanet Studies |
|----------|---|
| | (CUISINES) & |
| Jun 2023 | Co-chair of Exoclimes Summer School in Atmospheres and Modelling (ExoSLAM) |
| 2023 | Interview by the University of Exeter about my research 🗹 |
| 2023 | Interview by UKRI/STFC about my outreach <a>™ |
| 2023 | Expert Scientist at the British Science Festival Climate Exhibition & |
| 2022 | Press releases: University of Exeter C, American University C, & INSU CNRS C |
| 2020-now | 3D visualisations of exoplanet simulations: |
| | 'Cloudy Skies of Distant Exoplanets' 🗹 University of Exeter Images of Research 2023 |
| | 'A refined look at tidally locked exoplanets' 🗹 DiRAC HPC Research Image Competition 2023 |

'Exoplanetary Atmospheres' L | Exeter Science Centre, Science as Art Gallery 2020

'Dusty exoplanet atmospheres' 🗹 | Nature Press Release

'Virtual Reality Exploration of Exoplanets' 🗹 | 360 VR video (contributor)

2019 Science consulting on the 'Exoplanet Explorers' videogame

2015 Blogging:

Disastrous Disaster Movies 🗹

Polar Lows: What Fuels Arctic Hurricanes?

Worldwide Weird Weather Words Z

Organisation of Scientific Meetings

| Mar 2026 | UK Exoplanet Community Meeting (SOC) ☑ Bristol, UK |
|----------|--|
| Oct 2025 | Atmospheric and interior evolution of planetary magma oceans (SOC) ☑ Leiden, the Netherlands |
| Sep 2025 | BUFFET-5 (Co-chair) 🗹 Bordeaux, France |
| Jul 2025 | Exoclimes VII (SOC) 🗹 Montreal, Canada |
| Jun 2025 | Idealised modelling with LFRic (Chair) \mid Exeter, UK \mid \sim 50 attendees |
| Oct 2024 | BUFFET-4: Building a Unified Framework For Exoplanet Treatments (Co-chair) 🗹 Online |
| Jun 2024 | What's Cookin' Doc? A CUISINES meeting (Chair) Leiden, the Netherlands \sim 20 attendees |
| Jun 2023 | ExoSLAM Summer School (Co-chair) 🗹 Exeter, UK ~50 attendees |
| Jun 2023 | Exoclimes VI (LOC) ☑ Exeter, UK ~200 attendees |
| Mar 2023 | Challenge of Science Leadership Short Course Exeter, UK |

Reviewing and External Activities

| 2017-now | Reviewer for: Nat. Astron., MNRAS, Planet. Sci. J., Geophys. Res. Lett., ApJ, Planet. Space Sci., Q. J. |
|----------|---|
| | R. Meteorol. Soc. |
| 2023-now | Expert reviewer for: the James Webb Space Telescope General Observer Programs (Exoplanets & Disks, |
| | Cycles 3 & 4) |
| 2021-now | Member of: the Royal Astronomical Society, Europlanet Society |

Skills

Jan 2017

Languages English (fluent), French (basic), Russian (native)
Numerical models LFRic, Unified Model, SOCRATES, LAGRANTO, Isca

Programming languages Python, Bash, FORTRAN, MATLAB, NCL

Python libraries (user) cartopy, cython, iris, matplotlib, numpy, pandas, pyvista, xarray

Python libraries (creator/contributor) aeolus, cartopy, pyvista, geovista

Parallel computing Dask, MPI, OpenMP Version control Git, Subversion

Document preparation LATEX, Quarto, Jupyter Notebooks, Markdown, HTML, CSS, reST

Vocational Training

Raspberry Pi Basics

| Sep 2023 | Belbin Training 🗹 |
|----------|---|
| Mar 2023 | Challenge of Science Leadership ☑ |
| Dec 2022 | Interview Training |
| Jul 2020 | Writing Workshop for Climate Scientists |
| Mar 2020 | ESA JWST Master Class 🗹 |
| Jul 2019 | ICTP Summer School on Convective Organization and Climate Sensitivity 🗹 |
| Apr 2018 | Fortran Modernisation Workshop 🗹 |
| Jan 2018 | Helicopter Underwater Escape Training Course (CA-EBS) |
| Dec 2017 | Sea Survival Course |
| Jun 2017 | Weather Presenting |
| Feb 2017 | Level 1 First Aid for Field Work Course |

Apr 2016 WWRP/WCRP/Bolin Center Polar Prediction School

Dec 2014 UK Met Office Unified Model Training

Vocational Experience

| Apr-Jun 2018 | Data Technician |
|--------------|---|
| | Processing of meteorological data collected in the IGP field campaign 🗹 University of East Anglia |
| 2015-2018 | Founder and Leader |
| | Python Users Group 🗹 University of East Anglia |
| Feb-Mar 2018 | Member of the Meteorology Team |
| | The Iceland-Greenland Seas Project (IGP) field campaign Akureyri, Iceland |
| Mar 2015 | Rapporteur |
| | Dynamics of Atmosphere-Ice-Ocean Interactions in the High-Latitudes 🗹 Rosendal, Norway |
| Oct 2013 | Research Intern |
| | Geophysical Institute University of Bergen, Norway |
| Aug-Sep 2013 | Trainee Forecaster |
| | Forecast and Briefing Service Main Aviation Meteorological Centre, Vnukovo Airport |
| Jul 2012 | Research Intern |

A.M. Obukhov Institute of Atmospheric Physics | Moscow, Russia