

Curriculum vitae with track record (for researchers)

Personal information

First name, Surname:	Yanchun, He		
Date of birth:	02 June 1983	Sex:	Male
Nationality:	Chinese		
Researcher unique identifier(s) (ORCID, ResearcherID, etc.):	ORCID:0000-0002-5932-3627		
URL for personal website:	https://www.nersc.no/staff/yanchun-he		

Education

Year	Faculty/department - University/institution - Country
2012 (dissertation defended)	PhD: Disputation date: 15.12.2012. PhD in Meteorology, Department of Atmospheric and Oceanic Sciences - Peking University - China
2008	Master in Meteorology, Department of Atmospheric and Oceanic Sciences - Peking University - China

Positions - current and previous

(Academic sector/research institutes/industrial sector/public sector/other)

Year	Job title – Employer - Country
2017-	Researcher - Nansen Environmental and Remote Sensing Center - Norway
2014-2016	Postdoc - Nansen Environmental and Remote Sensing Center - Norway
2013-2014	Assistant Researcher – Institute of Atmospheric Physics, Chinese Academy of Sciences - China

Project management experience

(Academic sector/research institutes/industrial sector/public sector/other. Please list the most relevant.)

Year	Project owner - Project - Role - Funder
2014-2016	Institute of Atmospheric Physics, Chinese Academy of Sciences - Simulation of deep North Atlantic heat uptake during the last century – Project Leader – National Science Foundation of China
2018-2018	Nansen Environmental and Remote Sensing Center - Simulating the future evolution of the Greenland Ice Sheet using the land ice model (CISM) integrated in the Norwegian Earth System Model (NorESM) – Project Leader – Bjerknes Center for Climate Research (Fast-Track Initiative 2018)

2018-2022	Norwegian Research Centre – Infrastructure for Norwegian Earth System Modelling (iNES) – Working Package co-leader – Research Council of Norway
2023-2026	University of Bergen – Overturning circulation in the new Arctic (ArMOC) – Work Package leader – Research Council of Norway

Other relevant professional experiences

(E.g. institutional responsibilities, organisation of scientific meetings, membership in academic societies, review boards, advisory boards, committees, major research or innovation collaborations, other commissions of trust in public or private sector)

Grants Awarded

Year	Grant – Funder – Amount:
2016	Travel grant awards for CLIVAR 2016 Early Career Scientist Symposium – WCRP/CLIVAR – 1,100 Swiss Franc (\approx 12,000 NOK)
2013	National Research Funds for Young Scholars – National Science Foundation of China – 240,000 CNY (\approx 338,000 NOK)
2013	Travel grant awards for the JERICO (Joint European Research Infrastructure for Coastal Observations) Malta Summer School – 2013 – JERICO – 1,200 EURO (\approx 13,000 NOK)
2013	Starting Research Grant for Early Career Scientist – Chinese Academy of Sciences – 30,000 CNY (\approx 42,300 NOK)
2009	Grants awards for research visit to Nansen Scientific Society – Nansen Scientific Society – 35,602 NOK

Organisation of scientific meetings

Year	Description - Role
2021	Mini-workshop on conforming NorESM output to CMIP6 standard (CMORisation) (1 day, Bergen, Norway) – Organiser and lecturer
2019-2021	The first to third NorESM User's workshop (3 days, Bergen/Oslo, Norway) – Organiser and lecture
2018	The ESMValTool workshop for CMIP6 data (1 day, Bergen, Norway) – Co-organiser

Membership in academic societies

Year	Description - Role
2018-	American Geoscience Union - Member
2015-	European Geoscience Union - Member

Commissions of trust

2012 – Reviewer for Atmos. Oceanic Sci. Lett., Journal of Climate, Ocean Science

Selected international presentations

Year	Description - Role
2018	Presented (poster) at the American Geoscience Union Assembly, in Washington, US

2017	Presented (poster) at the European Geoscience Union Assembly, in Vienna, Austria
2016	Presented (talk) at the CLIVAR 2016 Open Science Conference in Qingdao, China
2016	Presented (talk) at the General Assembly 2016 of the European Geoscience Union in Vienna, Austria
2016	Presented (talk) as scientific highlights at the Annual Meeting of the Bjerknes Center at Geilo, Norway
2013	Presented (talk) at the 6th International Conference on Atmosphere, Ocean and Climate Change in Hong Kong, China

Track record

- The total *number* of publications during the career.
7 publications
- A list of up to *ten* publications in major national or international peer-reviewed journals, peer-reviewed conference proceedings, peer reviewed book chapters and/or monographs If applicable:
 1. Seland, Ø., Bentsen, M., Olivié, D., Toniazzo, T., Gjermundsen, A., Graff, L. S., Debernard, J.B, Gupta, A.K, **He, Y.-C**, et al. (2020). Overview of the Norwegian Earth System Model (NorESM2) and key climate response of CMIP6 DECK, historical, and scenario simulations. *Geoscientific Model Development*, 13(12), 6165–6200. doi:10.5194/gmd-13-6165-2020
 2. Tjiputra, J. F., Schwinger, J., Bentsen, M., Morée, A. L., Gao, S., Bethke, I., Heinze, C., Goris, N., Gupta, A., **He, Y.-C**, Olivié, D., Seland, Ø., and Schulz, M.: Ocean biogeochemistry in the Norwegian Earth System Model version 2 (NorESM2), *Geosci. Model Dev. Discuss.*, doi:10.5194/gmd-2019-347, in review, 2020
 3. **He, Y.-C.**, Tjiputra, J., Langehaug, H. R., Jeansson, E., Gao, Y., Schwinger, J., & Olsen, A. (2018). A Model-Based Evaluation of the Inverse Gaussian Transit-Time Distribution Method for Inferring Anthropogenic Carbon Storage in the Ocean. *Journal of Geophysical Research: Oceans*. doi:10.1002/2017JC013504
 4. **He, Y.-C.**, Drange, H., Gao, Y., & Bentsen, M. (2016). Simulated Atlantic Meridional Overturning Circulation in the 20th century with an ocean model forced by reanalysis-based atmospheric data sets. *Ocean Modelling*, 100, 31–48. doi: 10.1016/j.ocemod.2015.12.011
 5. **He, Y.-C.**, Gao, Y., Bentsen, M., Tan, B., & Johannessen, Ola. M. (2012). North Atlantic ventilation using chlorofluorocarbons and idealised-tracer simulations. *Tellus B: Chemical and Physical Meteorology*, 64(1), 18807–18807. doi:10.3402/tellusb.v64i0.18807
 6. **He, Y.**, Gao, Y., Wang, H., Johannessen, O. M., & Yu, L. (2012). Transport of nuclear leakage from Fukushima Nuclear Power Plant in the North Pacific. *Acta Oceanologica Sinica*, 34(4), 12–20.

Other outputs of relevance

1. Software
 - The NorESM Diagnostic Tool Package:
<https://github.com/NordicESMhub/NoresmDiagnostics>
 - A program for rewriting NorESM output for CMIP6:
<https://github.com/NorESMhub/noresm2cmor>
2. Non peer-reviewed publications
 - **Yanchun He**, Andreas Born and Petra Langebroek, Integration of the land ice model (CISM) in the Norwegian Earth System Model (NorESM), *Technical report of Bjerknes Center for Climate Research*, 15 May 2019. Doi: 10.5281/zenodo.5589194