PERSONAL INFORMATION

Name: **Gesa A. Weyhenmeyer**, Gender: female, ORCID: 0000-0002-4013-2281.
Date of birth: 4-Nov-69 (Bonn, Germany); Nationality: Swedish and German.
Children: two children (born 2000 and 2001); Maternity leave: 32 months during May 00-August 07.
Personal web: http://weyhenmeyer.weebly.com/; Wikipedia: https://en.wikipedia.org/wiki/Gesa_Weyhenmeyer

EDUCATION & ACADEMIC DEGREES

2013, Mar **Distinguished University Teacher** - *Uppsala University, Sweden.*
2012, Jul **Professor** of Aquatic Biogeochemistry - *Uppsala University, Sweden.*
2003, May **Associate Professor** of Aquatic Ecology - *Swedish University of Agricultural Sciences, Sweden.*
1996, Oct **Doctor of Philosophy** (PhD), Geology - *Uppsala University, Sweden.*
1992, May **Bachelor of Science** (Dean's Honors List) - *Trent University, Canada.*
1989-1992 Undergraduate studies: *Christian-Albrechts-Univ, Germany* (1989-90), *Albert-Ludwigs-Univ, Germany* (1990-91), *Trent University, Canada* (1991-92).

CURRENT POSITION

since Jul 12 **Professor of Aquatic Biogeochemistry**, since 2013 employed as Distinguished University Teacher - *Dept. of Ecology and Genetics/Limnology, Uppsala University, Sweden.*

Major recent faculty/institutional responsibilities:

- Chair of the Educational Board of Science: 40% of employment, 2023-2026.
- Vice Chair of the Recruitment Committee of the Faculty of Science & Technology: 40% of employment, evaluation of candidates for ~70 positions/promotions per year; 2017-2022.
- Course leader/teacher: 10-35% of employment, 2012-present.

PREVIOUS POSITIONS

May 09-Jun 12 **Senior Lecturer** in Biology - *Dept. of Ecology and Genetics*, *Uppsala University, Sweden.*
Jan 06-Apr 09 **Research Fellow Post, Royal Swedish Academy of Sciences** - *Dept. of Aquatic Sciences and Assessment, Swedish University of Agricultural Sciences, Sweden.*
Oct 99-Dec 05 **Senior Scientist (Environmental Consultant)** - *Dept. of Aquatic Sciences and Assessment, Swedish University of Agricultural Sciences, Sweden.*
Mar 98-Sep 99 **Researcher** within the EU-project REFLECT (Response of European Freshwater Lakes to Environmental and Climatic Change) - *Dept. of Limnology, Uppsala University, Sweden.*
Nov 96-Feb 98 **Post-Doctoral Researcher** - *Univ. of Western Australia, Perth* (Nov-Dec 96); *Erken Laboratory, Sweden* and visit to *Yigal Allon Kinneret Limnological Lab, Israel* (Jan-Aug 97)*; Inst. of Hydrology & Meteorology*, *Technical Univ. of Dresden, Germany* (Sep 97-Feb 98).
Jun 93-Dec 96 **Research and teaching assistant**; *Dept. of Earth Sciences, Uppsala University, Sweden.*

SELECTED AWARDS, HONORS & PRIZES

1. Linnaeus Medal, awarded 'for truly outstanding scientific achievement, especially in the Linnaean subject areas but also for meritorious furtherance of the legacy of Linnaeus or Uppsala University', Sweden, 2024.
2. Distinguished Alumni Award, recognizing ´outstanding leadership in climate change research, trailblazing work in the field of Aquatic Biogeochemistry, and important academic research that is inspiring young scientists around the world´, Trent University, Canada, 2023.
3. Elected Member of the Royal Society of Sciences at Uppsala (Class of Biology-Medicine), Sweden, 2023.
4. Sustaining Fellow Award, recognizing 'sustaining excellence in the contributions to the Association for the Sciences of Limnology and Oceanography and the Aquatic Sciences', United States, 2017.
5. Outstanding Women in Academia Award, Swedish Research Council/Robert Bosch Stiftung in cooperation with 'Spektrum der Wissenschaft' and Nature, 2017.
6. Elected Life-Member of the Royal Swedish Academy of Sciences (Class for Geosciences), Sweden, 2016.
7. Pedagogical Prize, Faculty of Science & Technology, Uppsala University, Sweden, 2015.
8. Honored Scientist, Faith in the Future Symposium, hosted by King Carl XVI Gustaf, Royal Palace, 2012.
9. Outstanding Young Scientist Award, representing Sweden at IAP/WEF Summer Davos, Dalian, China, 2009.
10. Oral Presentation Award, recognizing 'one of the most innovative, integrative, and exciting abstracts.' American Society of Limnology & Oceanography, United States, 2007.
11. Five-Year Research Fellowship Award, Royal Swedish Academy of Sciences, Sweden, 2005.
12. Dean's Honors List, Bachelor of Science, Trent University, Canada, 1992.

Additional distinction: Official contributor to the Intergovernmental Panel on Climate Change (IPCC), recipient of the Nobel Peace Prize, 2007.

REVIEWED INTERNATIONAL PUBLICATIONS AND FUNDING

168 peer-reviewed international publications (152 articles, 16 book chapters), 38 are first/sole author publications. In addition: 39 scientific reports and six other publications including one invited book review, >160 published

abstracts, a large variety of public outreach activities including popular science publications. Total number of citations: 31,921; h-index: 75, i10-index: 162 (Google scholar as of Sep 8, 2026); included in the Stanford/Elsevier Top 2% Scientists database (Ioannidis et al. 2025). The ability to conduct groundbreaking research and to demonstrate leadership in the training and advancement of young scientists was evaluated as being outstanding when having been invited for an ERC Advanced Grant interview in 2022. Recipient of 29 major research grants (e.g., EU, VR, FORMAS, NordForsk, Wallenberg) of which 18 as main applicant.

SUPERVISION OF GRADUATE STUDENTS & POSTDOCTORAL FELLOWS

In total: 24 PhD students (all externally funded - 11 as main supervisor of which 8 PhD & 1 licentiate completed, 13 as co-supervisor), **7 postdocs** and **19 Master students** (for names, time periods and thesis titles see http://weyhenmeyer.weebly.com/). Strong emphasis on creating supportive and stimulating research environments that encourage scientific independence, creativity, and confidence in early-career researchers. This commitment has been recognised through the appointment as Distinguished University Teacher and the Faculty of Science and Technology Pedagogical Prize at Uppsala University.

SELECTED INTERNATIONAL COMMISSIONS OF TRUST

1. Official reviewer for the 2007, 2013 & 2021 **IPCC reports** (a major contribution was to get a carbon flux from lakes added to the figure illustrating the global carbon cycle; i.e. Fig. 6.1 in the 2013 report). In addition, contributing author to Chapter 2 of the IPCC Special Report on the Ocean and Cryosphere in a Changing Climate, published in 2019 (main author of chapter 2.2.5. Lake and River Ice in High Mountain Areas)
2. **Crafoord Prize** Committee Member, 2018-present.
3. Strong engagement in the Global Lake Ecological Observatory Network (GLEON), since establishment in 2005
4. Global Environmental Change (GEC) Committee Member at the Royal Academy of Sciences, 2018-2024.
5. Scientific and Organizing Committee Member of the Joint Large Lake Symposium *ELLS-IAGLR 2,* 2020-2022.
6. Scientific Committee Member for the ASLO-SFS Joint Summer Meeting in Madison, United States, 2019-2020.
7. Reference group member of the National Inventory Programme for Swedish inland waters, 2012-2020.
8. Executive Board Member of the EU C-Cascades project; 2015-2018.
9. Earth System Sciences Advisory Board Member of the Global Change programme in Austria, 2011-2015.
10. Scientific Committee Member of the international conference ´Lake Vänern Ecosystem´, 2011-2012.
11. Co-founder and member of the Global Young Academy, 2009-2012.
12. Steering Committee Member of the strong research environment: The color of water, 2009-2015.
13. Scientific Committee Member of AMAP-SWIPA, 2009-2011.
14. Scientific Committee Member of the international symposium ´European large lakes´, 2008-2010.
15. Swedish delegate for the European Climate Change Programme, 2006-2009.

SELECTED EDITORIAL, REVIEW & EVALUATION TASKS

1. **Associate editor** for Limnology and Oceanography Letters (previously also other journals), 2016-2022.
2. **Referee requests for scientific journals:** 137 different journals reflecting the broad and interdisciplinary nature of my work, incl. Nature, Science, Nature Geoscience, Nature Climate Change, Nature Communications, PNAS, Global Change Biology, Ecology Letters; Awarded as outstanding reviewer, Biogeosciences, 2013.
3. **Proposal evaluation requests** for councils in Sweden, Austria, Canada, Denmark, European Union (ERC), Estonia, Finland, Germany, Ireland, Netherlands, Norway, Spain, UK, US.
4. **Engagement in national/international dissertation evaluation committees/faculty opponent:** 22 times.

SCIENTIFIC PRESENTATIONS AND OUTREACH

1. Nine accepted **plenary talks** in the US, France, Germany, Finland, Norway and Sweden.
2. >70 accepted **invited presentations** in 16 different countries.
3. **>160 contributions to international conferences/symposia and a variety of session organizations.**
4. Strong engagement in outreach with various activities, incl. organizing of workshops, writing of newspaper articles, radio/TV interviews; organization of a large national high school project with >3500 students.

TEACHING AND PEDAGOGICAL ACTIVITIES

1. Distinguished University Teacher (leading pedagogical positions, pedagogical awards, invited pedagogical talks, engagement in pedagogical development work at Uppsala University and Royal Academy of Sciences)
2. During past 33 years teaching and often main responsible for altogether 10 different undergraduate courses (with up to 80 students in a class), 11 advanced level courses and 11 PhD courses/workshops, 10-35% teaching/year.

***Major career breaks**: 1. Sep-Dec 2021: medical treatment complications with multiple organ failure but rapid full recovery; 2. Aug 18-Dec 19: in total ~4 months of interruption (caregiver of a sick child); 3. May 00-August 07: in total 32 months maternity leave; 4. Oct 1999-Dec 2005: mainly employed as environmental consultant with very limited research activity.*