

• PERSONAL INFORMATION

Family name, First name: **DESTOUNI, GEORGIA (Gia)**

Researcher unique identifier: ORCID 0000-0001-9408-4425

Date of birth: January 26, 1961

Nationality: Sweden

URL for web sites: <https://www.su.se/english/profiles/gdest>; <https://www.kth.se/profile/gia?l=en>

Google Scholar Profile: <https://scholar.google.com/citations?user=FzV9-mMAAAAJ&hl=en>

• EDUCATION

- 1993 **Docent** in Engineering Hydrology, Faculty/School of Civil Engineering, Dept. of Water Resources Engineering, KTH Royal Institute of Technology (KTH), Sweden
- 10/10/1991 **PhD** in Hydraulics Engineering, Faculty/School of Civil Engineering, Dept. of Hydraulics Engineering, KTH, Sweden
- 1987 **MSc** in Civil Engineering, Faculty/School of Civil Engineering, KTH, Sweden

• CURRENT POSITIONS

- 2024- Science coordinator of the interdisciplinary [SATORI Research Lab](#) for coupled natural-human systems, hosted by the University Alliance Stockholm Trio as part of the “**Stockholm Trio for Sustainable Action**” initiative
- 2005– **Professor** of Hydrology, Hydrogeology and Water Resources, Dept. of Physical Geography, Stockholm University (SU), Sweden – georgia.destouni@natgeo.su.se
- 2023- **Affiliated and Guest Professor** of Engineering Hydrology, Dept. of Sustainable Development, Environmental Science and Engineering, KTH Royal Institute of Technology (KTH), Stockholm, Sweden, since July 2023 – gia@kth.se

• PREVIOUS POSITIONS

- Spring 2024 **Fellow in Residence** of the Stellenbosch Institute for Advanced Study, South Africa
- Spring 2023 **Visiting Scientist** on sabbatical at the National and Kapodistrian University of Athens, Greece
- 2016 – 2022 **Head of Dept.** of Physical Geography, Faculty of Science, SU, Sweden
- 2013 – 2016 **Secretary General** of The Swedish Research Council Formas, Sweden
- 2015 – 2016 **Head of Research Unit** for Hydrology, Water Resources and Permafrost, Dept. of Physical Geography, Faculty of Science, SU, Sweden
- 2003 – 2005 **Guest Professor**, Dept. of Physical Geography, Faculty of Science, SU, Sweden
- 2001 – 2002 **Vice Head of Dept.** of Land and Water Resources Engineering, KTH, Sweden
- 1999 – 2005 **Professor**, Dept. of Land and Water Resources Engineering, School of Architecture and the Built Environment, KTH, Sweden
- 1998 – 1999 **Associate Professor**, Dept. of Land and Water Resources Engineering, KTH, Sweden
- 1994 **Visiting Scientist**, Dept. of Agricultural and Biological Engineering, University of Florida, Gainesville, USA
- 1992 – 1998 **Senior Research Fellow**, Swedish Natural Science Research Council, Sweden

• HONORS AND AWARDS – Life-time and recent examples

- 2024 **The Baltic Sea Award** for “*significant research contributions to the issue of eutrophication in the Baltic Sea*”, Åland-Finland and the Baltic region
- 2024 **International member** of the National Academy of Engineering, USA
- 2024 **Corresponding member** of the Academy of Athens, Greece
- 2023/24 **Fellow** of the Stellenbosch Institute for Advanced Study, South Africa
- 2022 **H.M. The King's Medal** for “*outstanding contributions in water and climate research*”, Sweden

- 2020 **Sigge Thernwall Grand Prize** for Research on Sustainable Infrastructure and Built Environment, Sweden
- 2015 **Fellow** of the American Geophysical Union, USA and global
- 2013 **Henry Darcy Medal** of the European Geosciences Union, Europe and global
- 2013 **Research and Development Award** of Nova Centre for University Studies, Oskarshamn, Sweden
- 2003 **Member** of the Royal Swedish Academy of Sciences, Sweden
- 2003 **Member** of the Royal Swedish Academy of Engineering Sciences, Sweden

Recent invited lecture examples:

- 2024 **STIAS Fellow Lecture** at the Stellenbosch Institute for Advanced Study, April 9, South Africa
- 2023 **Lectures at Nanjing University** on *Planning for a Sustainable Future*: (i) *The role of hydrological extremes*; (ii) *The role of legacy pollutants for water quality*; and (iii) *The role of changing hydro-climate for health impacts*, October 9-13, Nanjing, China
- 2023 **Opening Lecturer** at the University of Padova 800-year celebration symposium “*AQVA– Our water – our world – our life*”, February 7, Italy
- 2022-23 **ARISTEiA Interdisciplinary School Lecturer** at the Institute for the Advancement of Research and Education in Arts, Sciences & Technology (ARISTEiA), *Interdisciplinary School for Environmental Crisis - Science, Health, Economy, Social Sustainability*, December 2022 and 2023, Evoia, Greece
- 2022 **Celcius-Linnaeus Symposium Lecturer**, February 9, Uppsala University, Sweden
- 2021 **Distinguished Lecturer** of The Global Institute for Water Security and Global Water Futures, September 22, University of Saskatchewan, Canada
- 2019 **Boussinesq Lecturer** of the Dutch-Belgian Boussinesq Center for Hydrology, October 17, Amsterdam, The Netherlands

• **COMMISSIONS OF TRUST, INSTITUTIONAL RESPONSIBILITIES - Recent examples**

International

- 2023-24 Evaluation Committee Member for The Domain Science (ENW)-XL Grant consortia call of the Dutch Research Council (NWO)
- 2023 Evaluation Panel Member for the Catalan Institution for Research and Advanced Studies (ICREA)
- 2022 – Member of the Baltic Earth Science Steering Group
- 2021 – Editor In Chief of *Water Resources Research*, AGU
- 2019 – 2021 Member of the Union Fellows Committee of AGU
- 2015 – 2019 Vice President of the International Association for Hydrological Sciences
- 2014 – 2019 Evaluation Panel Member of the European Research Council
- 2016 – 2018 Member of the Scientific Advisory Committee of Science Europe
- 2010 – 2022 Steering Committee Member of Navarino Environmental Observatory, Messinia, Greece

National

- 2021 – 2022 Member of the Board of Tarfala Research Station, Stockholm University
- 2016 – 2022 Member of the Board of Bolin Centre for Climate Research, Stockholm University
- 2016 – 2021 Member of the Board of Stockholm Resilience Centre, Stockholm University
- 2010 – 2016 Member of the Board of the Royal Swedish Academy of Sciences (KVA)
- 2014, 2010 Chair of the Prize Committee for the International Crafoord Prize in Geosciences (also member of the committee in 2006)

Societal engagement

- 2022 – Member of the Environment and Energy Committee of KVA
- 2019 – Member of the Council of Trustees of WWF Sweden
- 2020 – 2022 Member of the Steering Committee for the societal engagement project “Sustainable water supply” and Chair of its theme “Climate change impacts” at IVA
- 2014 – 2020 Member of the Scientific Council of the Swedish Meteorological and Hydrological Institute
- 2015 – 2016 Member of Scientific Council for Sustainable Development commissioned by the Swedish Government

• RESEARCH FUNDING

The table below summarizes my currently ongoing research funding. Some of my current projects represent curiosity-driven natural system research, while some represent challenge-driven research for coupled natural-social systems and solution pathways for related societal and environmental problems, including also collaborations with various societal actors (*exemplified in italics under each such project*).

<i>Project Title</i>	<i>Funding source</i>	<i>Evaluation stage/Approved amount (EUR)</i>	<i>Period</i>	<i>My role</i>
Unravelling the legacy of historical, emerging and future groundwater pollution to the coastal ocean	Knut och Alice Wallenbergs Stiftelse (KAW)	~3 000 000 EUR	2023-2028	Co-PI
Coupled freshwater system variations, trends and their drivers around the world	The Swedish Research Council VR	~360 000 EUR	2023-2026	PI, Project leader
Science for a secure society: Hydro-climatic hazard, risk, and crisis management in Sweden	The Swedish Research Council VR	~680 000 EUR	2022-2025	Co-PI
<i>Stockholm Environment Institute as key project partner</i>				
AI-powered Knowledge Integration to Carbon-Neutral Cities	The Swedish Research Council Formas	~400 000 EUR	2021-2025	Co-PI
<i>Stockholm Region and WSP consultancy firm as key project partners</i>				
Innovation and partnerships for effective programs of measures for good water quality and ecological status	The Swedish Research Council Formas	~150 000 EUR	2021-2025	PI, Coordinator
<i>Lidingö City as key project partner</i>				
Impact of flood exposure on emergency responses for health services in Sweden	Stockholm Trio for Sustainable Action	~50 000 EUR	2024-2025	Co-PI
<i>KTH Climate Action Centre and Karolinska Institute Centre for Resuscitation Science as key project partners</i>				

In summary over my career, I have been PI for 36 and co-PI for 21 major national research grants, and Coordinator or Swedish PI & Work Package (WP)/Case Study (CS) leader for 5 major EU research grants and 1 major Nordforsk Excellence Centre grant.

My research **grants in the last 10 yrs** sum up to **~15.5 million (M) EUR**, including:

~2.4 M EUR as main PI/Coordinator: 2023-2026 VR (~0.4 M EUR); 2021-24 Formas (~0.15 M EUR); 2021-23 EU (0.3 M EUR); 2019-23 Bolin Centre (~0.15 M EUR); 2020-22 HaV (~0.13 M EUR); 2017-20 Formas (~0.22 M EUR), 2014-16 Formas (~0.44 M EUR); 2013-15 Formas (~0.38 M EUR); 2013-14 VR (~0.11 M EUR); 2012-15 Nova-Oskarshamn (~0.15 M EUR);

and ~13 M EUR as Co-PI and WP/CS leader: 2022-2028 KAW (~3 M EUR); 2022-25 VR (~0.68 M EUR); 2021-25 Formas (~0.4 M EUR); 2024 Stockholm Trio (~0.05 M EUR); 2020-22 Formas (~0.3 M EUR); 2018-22 EU (5 M EUR); 2016-21 Vinnova (~0.66 M EUR); 2017-20 NordForsk Excellence Centre (~2.73 M EUR).

• EDITOR AND OTHER RESEARCH EVALUATION ASSIGNMENTS - Selected examples

I have numerous international and national assignments as journal editor and reviewer, and evaluator of science honors and awards, academic appointments, research proposals, and PhD dissertations. Examples include:

2024	Evaluation Committee Member for post-doctoral fellow appointments at <i>Digital Futures</i> , KTH Royal Institute of Technology, Stockholm, Sweden
2023-24	Evaluation Committee Member for <i>The Domain Science (ENW)-XL Grant</i> consortia call of the <i>Dutch Research Council</i> (NWO)
2023	Evaluation Panel Member for the <i>Catalan Institution for Research and Advanced Studies</i> (ICREA)
2021 –	Editor In Chief for <i>Water Resources Research</i>
2019 – 2021	Member of the <i>Union Fellows Committee of AGU</i>
2014 – 2019	Evaluation Panel Member for the <i>European Research Council</i>
2014, 2010	Chair of the Prize Committee for the <i>International Crafoord Prize in Geosciences</i> (also member of the committee in 2006)
2008 – 2020	Associate Editor for <i>Journal of Hydrology</i>
2012 – 2020	Associate Editor for <i>Ambio</i>
2019 – 2020	Guest Editor for <i>Sustainability</i>
2018 – 2019	Guest Editor for <i>Water</i>
2017 – 2018	Guest Editor for <i>Land Degradation and Development</i>
2012 – 2013	Guest Editor for <i>Surveys in Geophysics</i>
2011 – 2012	Guest Editor for <i>Hydrogeology Journal</i>
2008 – 2009	Associate Editor for <i>Hydrogeology Journal</i>

• COLLABORATION NETWORKS - Recent examples

- [SATORI Research Lab for coupled natural-human systems](#), hosted by the University Alliance Stockholm Trio (Karolinska Institute, KTH Royal Institute of Technology, Stockholm University) as part of the “Stockholm Trio for Sustainable Action” initiative
- [DIGITAL FUTURES](#) Platform (*Digital Futures Faculty*) and [CLIMATE ACTION CENTRE](#) (*Climate Action Faculty*) of KTH Royal Institute of Technology
- EU COST Actions: [DAMOCLES](#) - Understanding and modeling compound climate and weather events; [FIRElinks](#) - Fire in the Earth System: Science and Society – *Partner & Management committee member*
- EU H2020 project [COASTAL](#) – Collaborative Land-Sea Integration Platform – *Partner*
- Nordic Excellence Program [CLINF](#) - Climate-change effects on the epidemiology of infectious diseases and the impacts on Northern societies – *Partner*
- Global Wetland Ecohydrology Network [GWEN](#) - *Founder and coordinator*

• SUPERVISION OF GRADUATE STUDENTS AND POSTDOCTORAL FELLOWS

Main adviser of 24 PhD-students and 18 post-doctoral fellows, including:

Ongoing PhD students at Stockholm University (SU): M. Zahrei, J. Cantoni

Completed PhDs at SU: **2023** - Y. Ma; **2021** G. Vigouroux, R. Goldenberg; **2016** L. Verrot, E. Johansson/Bosson; **2015** F. Jaramillo; **2014** J. Mård Karlsson, K. Mazi; **2013** S. Asokan, A. Bring; **2011** K. Persson; **2008** G. Olli, F. Hannerz; **2007** A. Darracq, Y. Shibuo, C. Baresel

Completed PhDs at KTH Royal Institute of Technology (KTH): **2006** G. Lindgren; **2005** C. Prieto; **2003** U. Salmon; **2001** E. Simic; **2000** A. Gupta; **1998** J. Jarsjö

Ongoing/incoming postdocs: Arya Vijayan at KTH, Mahdi Panahi at SU

Completed Postdocs at SU: **2022** A. Scaini, D. Althoff; **2020** S. Seifollahi-Aghmiuni, N. Ghajarnia; **2017** R. Orth; **2016** Z. Kalantari; **2015** A. Quin; **2014** J. Juston, P. Rogberg; **2013** Y. van der Velde, N. Vercauteren; **2012** L. Gong; **2010** A. Frampton; **2009** S. Lyon, C. Prieto; **2008** C. Baresel.

Additionally, **co-adviser** for several more PhD students and postdocs at SU, KTH and other academic institutions in Sweden and other parts of the world (not listed).

The early career scientists I have supervised and mentored have gained top positions as full, associate and tenure-track professors at universities, senior ministry advisers, and research leaders, senior and junior researchers, or analysts at research institutes and other knowledge-based organizations and private companies in Sweden and other parts of the world.

- **OTHER EDUCATION ACTIVITIES AND DEVELOPMENTS – ongoing and recent examples**

- Lecturer with **Water System focus** in a 7.5 credit course on **Technology and Ecosystems** at KTH Royal Institute of Technology (2024-)
- **Planning for a Sustainable Future**, joint program between Nanjing University in China, and KTH and Stockholm University (SU) in Sweden, 2023 with focus of my lectures on: **The role of hydrological extremes**; **The role of legacy pollutants for water quality**; and **The role of changing hydro-climate for health impacts**.
- International **Interdisciplinary School for Environmental Crisis - Science, Health, Economy, Social Sustainability** under the auspices of the Institute for the Advancement of Research and Education in Arts, Sciences & Technology (ARISTEiA), in Evoia, Greece, 2022, 2023, 2025, with my lectures focusing on: **Thirst for Change: Solutions for a Water-Secure Future**; and **Water, Climate and Environmental Change: how can we clean our mess up?**
- Educational development project for collaborative **Online-based sustainability-focused education on environmental system dynamics** between KTH and SU, 2022.
- EU Erasmus+ project on **Training new generations on geomorphology, geohazards and geoheritage through Virtual Reality Technologies**, main applicant and coordinator 2021-2022.

- **PUBLICATION SUMMARY**

My publications to date include **227** journal articles, **25** books and book chapters, **57** technical/application reports, **15** open-access databases, and at least **139** examples of public outreach, research communication, and societal engagement publications in different contexts and forms, nationally and internationally. At this time, my **h-index is 67** and my publications have **15 711 citations** ([Google Scholar](#)).