

## Curriculum vitae



### Professor Yvonne Andersson-Sköld

**Date of birth:** 57 11 25

**Doctoral degree:** 1989, Environmental Chemistry,  
Department Inorganic Chemistry, GU

**Guest scientist,** AERE Harwell laboratory,  
Oxfordshire, UK, 1984- 1985

**Associate professor** 2008

Yvonne Andersson-Sköld has since more than 25 years been working with risks related to environmental pollutants in air, soil and water, climate change and natural events such as landslides and flooding in national and international projects. She initiated her career in kinetical studies of organic reactions with NO<sub>x</sub> and ozone in the atmosphere in the lab., thereafter doing model simulations of air borne pollutants and latter also transportation in soil and groundwater. She has worked with life cycle analyses (LCA), integrated assessments/multicriteria analyses (MCA) applied on risk reduction measures related to heat waves, natural hazards, contaminated land and air quality e.g. in the Formas funded project 'Adapting cities to climate induced risks – a coordinated approach'. She is currently developing a scientifically and empirically based method for assessment and valuation ecosystem services from urban greenery. The method includes supporting, regulating and cultural ecosystem services.

### Current position

|  |        |
|--|--------|
| Professor, Environmental analysis with focus on transportation,<br>Swedish Road and Transportation Research Institute, VTI | 2016 - |
| Adjunct professor, Department Civil and Environmental<br>Engineering, Chalmers(20%)  | 2017 - |

### Previous positions:

|  |             |
|--|-------------|
| R&D manager, project leader, COWI AB                                   | 2012 – 2016 |
| Adjunct Professor, Department of Earth Sciences, GU (20%)              | 2015 – 2016 |
| Guest Professor, Karlstad University (10%)                             | 2015 – 2016 |
| Adj. lecturer/senior scientist (20%), Department of Earth Sciences, GU | 2011 – 2015 |
| Guest scientist, 25 %, Risk and Environment, Karlstad University       | 2013        |
| Project leader, senior scientist/researcher, SGI                       | 2002 – 2013 |
| Research and project leader, Melica Enviroment                         | 1994 – 2001 |
| Project leader, researcher IVL   | 1988 – 1994 |
| Department of Inorganic Chemistry, GU                                  | 1983 – 1988 |

Parental leave (part and full time) in total 18 months

### Assignments and commission

|  |             |
|--|-------------|
| Formas Expert panel <i>Environmental pollution (vice chair, 2010-)</i>   | 2009 - 2012 |
| Board Network for contaminated land, Sweden                              | 2007 - 2011 |
| SGI representative national authority group on climate change adaptation | 2005 – 2009 |

|  |             |
|--|-------------|
| Personal representative, management team, IVL foundation | 1993 - 1994 |
| Management team, Melica miljökonserter                   | 1994 - 2001 |
| Adjunct Board of directors, COWI AB                      | 2014 - 2016 |

#### *PhD Examination committees*

Julie Goodness, Stockholm Resilience Centre, Stockholm University, 2018  
 Jenny Egardt, the Department of Biological and Environmental Sciences, Gothenburg University, 2018  
 Jan Pietron, Department of Earth Sciences, Stockholm University, 2017  
 Lars Zetterberg, Department of Earth Sciences, Göteborg University, 2011  
 Karin Björklund, Civil and Environmental Engineering, WET, Chalmers, 2011  
 Lin Tang, Department of Earth Sciences, Göteborg University, 2009  
 Björn Gustavsson, Department of Civil, Mining and Environmental Engineering, Luleå University of Technology, 2007

#### *Opponent*

Yevhenia Volchko, Civil and Environmental Engineering, Geo Engineering, Chalmers, 2014  
 Viveca Norén, Department of Earth Sciences, Uppsala University, 2016

## **Publications**

In total, more than 200 scientific papers and reports, Scholar H-index 22, citations 1640

## **Teaching and pedagogical experience 1988 –**

### **Supervision**

PhD students      Co-supervisor in PhD works of Sofia Thorson, Hillevi Upmanis, Katarina Borne, Physical Geography, GVC, GU (supervisors Ingegärd Eliasson and Deliang Chen), Karin Pleijel, Jana Moldanova, Chemistry, GU (supervisor Evert Ljungström). Erik Glaas (LiU, supervisor Anna Jonsson), Sara Janhäll, Environmental Physics, Chalmers (main supervisor Eva Selin), Åsa Löv, SLU (main supervisor Dan Berggren-Kleja), Anna Norén, Chalmers (main supervisor Karin Karlfeldt Fedje), Paul Drenning (main supervisor Jenny Norrman), Ida Järtskog (main supervisor), Johanna Takman (main supervisor)

Master Students    > 40

### ***Decision support tools and toolboxes 2011-***

Andersson-Sköld, Y., Helgesson, H., Enell, A., Suer, P., Bergman, R., Frogner-Kockum, P., 2011, *Matrix Decision Support Tool for Evaluation of Environmental, Social and Economic Aspects of Land Use*, SGI Varia 613

[www.swedgeo.se/upload/publikationer/Varia/pdf/SGI-V613.pdf](http://www.swedgeo.se/upload/publikationer/Varia/pdf/SGI-V613.pdf)

Andersson-Sköld, Y., Bardos, P., Track, T., Wagelmanns, M., Crutu, G., van Heusden, B., 2013, REJUVENATE, *Crop Based Systems for Sustainable Risk Based Land Management for Economically Marginal Degraded Land - Guide for Decision Support Tool* <http://www.snowmannetwork.com>

van Oostrom, N., Andersson-Sköld, Y., Bormann, H., de Lange, G., van der Linden, L., 2011, *Adaptation toolkit for the North Sea Region in a changing climate*, CPA report, 2011, 81 pp [http://www.newsletter.climateproofareas.com/reports/end%20products/CPA-WP4-endreport\\_web.pdf](http://www.newsletter.climateproofareas.com/reports/end%20products/CPA-WP4-endreport_web.pdf)

Andersson-Sköld, Y., Nyberg, L., Effective and sustainable flood and landslide risk reduction measures: An investigation of two assessment frameworks, *International Journal of Disaster Risk Science*, 2016

Andersson-Sköld, Y. and Davidsson, G. 2017, Risk Management of Landslides and Flooding — Recommendations and Step Wise Process, *Handbook of Disaster Risk Reduction & Management*

Andersson-Sköld, Y, Klingberg, J., Gunnarsson, B, Thorsson, S, 2017, *Metod för bedömning och värdering av ekosystemtjänster i staden (VEGIS)* (Method for assessment and valuing of urban ecosystem services, in Swedish)

### Invited speaker and organiser 2007-

Invited speaker to around 35 national and international conferences and seminars

Organised ca 30 open conferences, workshops and seminars

### Examples of grants

|           |   |   |
|-----------|---|---|
| 2019–2021 | Formas  | Load and measures to reduce the load of traffic related persistent organic pollutants (POP) and micro/nanoplastics (Co-ordinator)                       |
| 2019      | Trafikverket                                      | Förstudie metod för effektbedömning av klimatanpassningsåtgärder för väg och järnväg (Co-ordinator)   |
| 2013–2017 | Formas  | IMPROVED RISK ASSESSMENTS OF THE IMPACT OF CLIMATE CHANGE ON LEACHING OF TOXIC METALS FROM CONTAMINATED SITES (WP LEAD)                                 |
| 2013–2017 | Formas  | VALUATION OF ECOSYSTEM SERVICES PROVIDED BY URBAN GREENERY (WP LEAD)  |
| 2013–2015 | EU Interreg North Sea                             | EMOVE, ESTUARIES ON THE MOVE (PI)   |
| 2009–2015 | MSB (Myndigheten för samhällsskydd och beredskap) | EFFEKTER AV SAMHÄLLETS SÄKERHETSÅTGÄRDER (PROJECT LEAD)   |
| 2010–2014 | Formas  | ADAPTING CITIES TO CLIMATE INDUCED RISKS - A COORDINATED APPROACH, CO-OPERATION (WP LEAD)   |
| 2009–2013 | Formas/Snowman                                    | REJUVENATE (RISK ASSESSMENT, SUSTAINABILITY AND FEASIBILITY ASSESSMENT AND VALUATIONS OF POTENTIALS FOR BIOMASS ON CONTAMINATED LAND (INT. COORDINATOR) |