

## CURRICULUM VITAE | Ariane König

**Nationality:** German & Luxembourgish

**Position:** Assistant Professor on Regenerative Social-Ecological Systems

**Organisation, Department:** University of Luxembourg, Department of Social Sciences

**Languages:** German, English, French, Luxembourgish, Italian, Spanish

### CAREER OVERVIEW

1 January 2023	<b>University of Luxembourg</b> , Assistant Professor, lead Group on Regenerative Social-Ecological Systems, Department of Social Sciences, Faculty of Humanities, Education and Social Sciences
1 January 2016 - 31 December 2022	<b>University of Luxembourg</b> , Research Scientist, Institute of Education and Society, Faculty of Humanities, Education and Social Sciences
1 June 2009 – 31 December 2015	<b>University of Luxembourg</b> , Head of Sustainable Development, reporting into the Rector (50% FTE)
1 August 2012 – 31 December 2015	<b>University of Luxembourg (UL)</b> , Senior Researcher, Institute for Geography and Spatial Planning, , Faculty of Language and Literature, Humanities, Arts and Education (50% FTE)
1 October 2007 – 31 July 2012	<b>University of Luxembourg</b> , Advisor to the Rector (Conseillère auprès du recteur). (As of 1 June 2009 with 50% FTE)
1 November 2004 – 1 August 2009	<b>Associate Fellow at the University of Oxford</b> with a consulting contract to conduct research from 1 April 2006 – 31 March 2007.
15 November 2005 – 30 September 2007	<b>Independent consultant (registered in Luxembourg) providing intellectual services to the Universities of Wageningen and Oxford.</b>
24 May 2004 – 15 November 2005	<b>University of Oxford</b> , Research Fellow employed at the James Martin Institute for Science and Civilization at the Saïd Business School (start of maternity leave on 1 November 2004).
1 May 2002 – 30 December 2003	<b>Harvard University</b> , employed as Senior Research Associate at the Harvard Center for Risk Analysis, Harvard School for Public Health. Left voluntarily to relocate to Europe.
1 September 2000 – 30 June 2004	<b>Harvard University</b> , Fellow at the Science, Technology and Public Policy Program, Belfer Center for Science and International Affairs, Kennedy School of Government.
4 January 1997 – 31 August 2000	<b>Monsanto International Services S.A.</b> , Regulatory Affairs Manager and Scientific Affairs Coordinator, Agricultural Sector.
1 April 1996 – 30 September 1996	<b>European Commission</b> , Stagiaire in DG 3. Enterprise. Unit on Biotechnology. Head of Unit: Mr G. Cozigou. I quit this internship position to start a Masters of Science in EU: Law, Government and Policy at the London School of Economics on 1.10.1996-31.12.1996. Completed the section on Law, including an advanced course on competition law, before I received a job offer by Monsanto (see above).

### EDUCATION

Date of award	Institution and certification
20 July 1996	<b>University of Cambridge</b> , Department of Biochemistry and Emmanuel College, <b>Ph.D. in Biochemistry</b> 'The biosynthesis of the macrolide polyketide immunosuppressant rapamycin'
23 March 1996	<b>University of Cambridge</b> , <b>Master of Arts</b>
27 June 1992	<b>University of Cambridge</b> , Emmanuel College, <b>B.A. Honours Degree in Natural Sciences</b> : Chemistry, Molecular biology, Biochemistry. 2(i).
6 July 1989	<b>European School Luxembourg</b> (1982-1989), <b>European School Varese, Italy</b> (1975-1981) <b>European Baccalaureate 1.0</b>

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## MAIN CAREER ACHIEVEMENTS

1.1.2023 to date	<p><b>University of Luxembourg, Assistant Professor on Regenerative Social-Ecological Systems</b></p> <p>Since 2023 my main research engagements include the Forest Pioneer Project project, developing an interdisciplinary approach combining citizen science and remote sensing with Prof. Teferle, conceiving innovative analytic approaches for groups of sustainability projects with disparate ontological roots, a recent engagement in a project of the Anthropocene Laboratory of the Swedish Royal Academy of Science. Policy relevant work include contributions to the conception of a Greenbelt for Luxembourg city commissioned by the government department of spatial planning, and developing recommendations on climate resilient development as member of the national Observatory of Climate Politics. Impact of my work was recognized with seven invitations as expert on international panels, as key note and podcast speaker, as well as my featuring as one of 25 people recognized for their future-oriented contributions to society in the '<a href="#">Faces of Luxembourg</a>' project. My high level of commitment to teaching about the need to critically engage with science and interdisciplinarity remains unchanged with the new title.</p>
Aug. 2012 – Dec. 2022	<p><b>University of Luxembourg, Research Scientist</b></p> <p>Research: Since 2016 I raised over 2 Million Euro and built a team that comprised up to seven researchers (not counting very engaged up to 3 student assistants at any point in time) to establish the first projects of 'transformative sustainability science' in Luxembourg. Apart from the first scientific papers in peer reviewed journals (see list of publications), the main research achievements include:</p> <ul style="list-style-type: none"> <li>• Leading the co-design and implementation of the national collaboration platform <a href="#">Aktioun Nohaltegkeet</a> mentioned as central coordination platform in the Luxembourg 2020 Plan National pour un Développement Durable. New Research Convention (2021-2025) for a Ph.D. project to optimize the representations of initiatives on the platform as contributions for systemic transformation.</li> <li>• NEXUS FUTURES project (2017-2022): Led a participatory a 3-year process to co-create a set of national scenarios on engagement with water and land in 2045, drawing on over 9 workshops and 60 interviews, that will serve as framework for further scenario work over the next years, together with one part-time post doc and one Ph.D. candidate (Ph.D. defense December 2020).</li> <li>• WATGOV project (2017-2021): Facilitated the co-design process led by one Ph.D. candidate of Luxembourg's first citizen science tool with stakeholders from relevant administrations, municipalities, a nature parc and environmental NGOs with the aim to complement official data on water quality (over 3 workshops). Ph.D. defense December 2021) (König et al., 2021; Stankiewicz et al., 2023).</li> <li>• SCHOOLFUTURES project (2017-2022): worked jointly with one Ph.D. candidate with three schools to co-design concepts, methods, processes and spaces as well as teaching material for future-oriented systems thinking. Ph.D. Defense June 2022 (Raber et al., 2021; König et al., 2020)</li> <li>• Led a 3-year participatory process to co-create a set of national scenarios for education in 2030, drawing on five workshops and over 50 interviews, which are now used for reframing in policy-making and practice.</li> <li>• Edited volumes include: (according to Routledge) the world's first advanced text book on '<i>Sustainability science: Key Issues</i>' (Routledge, 2018), one of the first books on living laboratories '<i>Regenerative Sustainability in universities and cities: The role of living laboratories</i>' (Edward Elgar, 2013). Co-edited one special issue on environmental and sustainability education in the BeNeLux in 2018, and one on the integration of learning, scientific inquiry and practice in the high impact Journal '<i>Current Opinion in Environmental Sustainability</i>' in 2015, in addition to (co-)authoring several papers.</li> </ul> <p>Teaching:</p> <ul style="list-style-type: none"> <li>• Developed the Certificate in 'Sustainability and Social Innovation', the university's first study programme open to Bachelor, Master and Ph.D. students and professionals with two core courses and two auxiliary/optional courses</li> </ul>

	<p>and peer group work for action-based experiential learning.</p> <ul style="list-style-type: none"> <li>Created an interdisciplinary strand sustainability in the IPSE doctoral school, with a seminar on 'The practice of critical interdisciplinarity', which ran for three years of the doctoral school, and is offered as a University-level transferable skills course entitled 'Science in Society' since 2020.</li> <li>Was invited to develop and teach a course on future – oriented systems thinking at the United Nations Sophia University, Tokyo, Japan.</li> </ul> <p>Main advisory functions include appointment to the National Observatory on Climate Politics (2021-todate), the national Conseil Supérieur pour un Développement Durable (2013-2020), and the EUROSTAT-run European Statistical Advisory Committee (2016-to date), and to two boards of social enterprises.</p>
June 2009 – Dec. 2015	<p><b>University of Luxembourg, Head of Sustainable Development.</b></p> <ul style="list-style-type: none"> <li>Worked on integration of education and research with the practice of campus operations, planning and civic engagement projects for sustainability.</li> <li>In 2008 I led the preparation of a 'Position Statement on' Energy-efficiency in campus buildings in Belval' with an expert group, which was used in practice in architectural competitions for buildings on the campus Belval and as guidance for architects and engineers.</li> <li>In 2009 created the <i>UL Cell for Sustainable Development</i>, and the position 'Head of Sustainable Development and developed and implemented the UL's first 4 year action plan on sustainable development in a participatory process. Implementation activities include student award programmes on improved recycling and green student residences. Highlights of this work are summarized in three biennial report of the University on Sustainability that can be downloaded from the following website: <a href="https://www.wen.uni.lu/sustainability">https://www.wen.uni.lu/sustainability</a> (see links under 'A brief history of sustainability at the university').</li> <li>Developed a mobility strategy with a participatory approach in collaboration with Ass. Prof. Francesco Viti and operations that was implemented in 2014 and 2015.</li> <li>Lead author of the <i>Charter of the International Sustainable Campus Network (ISCN)</i>, which was signed by 38 University presidents, including Harvard, ETH Zürich, and Hong Kong University. The UL signed in July 2010, and published a first annual report in 2011. For the ISCN, I organized an international symposium in the Luxembourg Pavillion at the Shanghai World Expo in 2010, and chaired for seven years one of three Working Groups.</li> <li>The position of Head of Sustainable Development was abolished after a new rector, Rainer Klump took office in 2015, I was moved as a full-time researcher into the FLSHASE taking effect in January 2016.</li> </ul>
Oct. 2007 – Dec. 2012	<p><b>University of Luxembourg, Advisor to the President.</b></p> <ul style="list-style-type: none"> <li>To foster <i>multi- and inter-disciplinarity in education</i> for UL students I have developed the Open Course Programme, with over 60 diverse courses open to all students from all faculties.</li> <li>In 2010, I organized a workshop with the European Research Council on the evaluation of interdisciplinary research.</li> <li><i>Establishment of the UL Interdisciplinary Group on Social Enterprise:</i> In 2011 a workshop on Social Business, introduced by Grande-Duchesse Maria-Theresa was the starting point for two study trips with high-level politicians and the Crown Prince Guillaume, leading to a UL Interdisciplinary group, I facilitated the creation of a Chair on Social Business with the City of Esch, and developed an interdisciplinary course on 'Social Enterprise and Social Innovation' which is now part of the University Certificate.</li> <li>Established two student exchange agreements with US Universities and a child care facility for the University. (I remained Associate Fellow at Oxford until 2009.)</li> </ul>
Nov. 2004 – Aug. 2009	<p><b>Associate Fellow at the University of Oxford.</b></p> <ul style="list-style-type: none"> <li>With a consulting contract to conduct research from 1 April 2006 – 31 March 2007.</li> </ul>
Sept. 2005 – Sept. 2007	<p><b>University of Oxford, Associate Fellow and Independent scientific consultant on risk governance.</b></p> <ul style="list-style-type: none"> <li>I founded my own consultancy providing services of research and writing interdisciplinary scientific reports and publications in the area of risk governance and credibility of expertise, having left employment at Oxford for family reasons. My clients included the Universities of Oxford and Wageningen.</li> <li>In charge of <i>integrating results from natural and social science work packages in the European Integrated Platform SAFE FOODS</i> (Framework Programme 6) I became lead-author of the main project publication and the reports to the European Commission.</li> </ul>
May 2004 – Sept. 2005	<p><b>University of Oxford, Research Fellow at the James Martin Institute for Science and Civilization at the Saïd Business School.</b></p> <ul style="list-style-type: none"> <li>Conducted research on participatory innovation and corporate stakeholder consultation drawing on cultural theory and muddling through specific complex issues in diverse learning communities, a process in which friction seems necessary for developing more socially robust approaches.</li> <li>As the Institute's first member of staff (it opened in March 2004) I convened strategy meetings with the Director and</li> </ul>

	affiliates, and was responsible for the Institute's first seminar series on 'Technology and democracy'.
Sept. 2000 – Apr. 2004	<p><b>Harvard University, Fellow at the Science, Technology and Public Policy Program, Belfer Center for Science and International Affairs, Kennedy School of Government.</b></p> <ul style="list-style-type: none"> <li>Prof. Sheila Jasanoff introduced me to the research field of 'Science and Technology Studies' (STS) and we collaborated on a report on the 'Credibility of expert advice' in contribution to the European White Paper on Governance, I had obtained funds from the European Commission Foresight Study Unit.</li> <li>My comparative research of EU and US risk regulation cultures and the precautionary principle was published in journals dedicated to the natural and social science and considered in policy-making processes. My research on integrated assessment approaches of new selectable marker biotechnologies, was published in the journal Nature Biotechnology, and used by a European Commission Working Group on Antibiotic Resistance Markers; I had obtained funds for this project from Germany's Federal Institute for Biology (Biologische Bundesanstalt).</li> <li>Taught sessions on risk analysis in course Environmental and Resource Science for Policy with Prof. J. Holdren.</li> <li>In charge of integrating natural and social science work package results in the EU Thematic Network ENTRANSFOOD (Framework Programme 5), I was first author of the lead- publications, and guest editor of a special issue, and primary editor of concluding project reports with policy advice to the European Commission.</li> </ul>
May 2002 – Dec. 2003	<p><b>Harvard University, Senior Research Associate at the Harvard Center for Risk Analysis, Harvard School for Public Health.</b></p> <ul style="list-style-type: none"> <li>Conducted research on epidemiological methods and utilitarian approaches to cost-benefit assessment and cost effectiveness assessment also used in decision-making on health and safety issues by public agencies of the US federal government this provided a counter point to the pluralist perspectives of STS in part rooted in anthropology on science, technology, and the meaning of progress and human values.</li> </ul> <p>I left on my own accord as started relocating to Europe in February 2004.</p>
Jan. 1997 – Aug. 2000	<p><b>Monsanto International Services S.A., Regulatory Affairs Manager and Scientific Affairs Coordinator, Agriculture.</b></p> <ul style="list-style-type: none"> <li>My primary responsibility was to compile risk assessments and interact with experts and officials in regulatory processes in over twenty different countries, allowing comparisons of regulatory and governance processes in practice, across very different social, cultural, economic, and environmental contexts.</li> <li>Representing industry associations, including at the OECD, I was involved in discussions on regulatory strategy and policy advice from an industry perspective.</li> <li>Since 1999, I built and led a five-member Scientific Affairs team in charge of outreach to public sector research in sixteen countries, managing a budget of US \$ 1.4 M.</li> <li>Throughout my time at Monsanto, I received ample training in leadership, a 'Train-the-Trainer' 'Development-Performance-Reward' Programme, presentation-skills and workshop facilitation courses. (I left on my own accord for independent research on national differences in biotechnology governance).</li> </ul>
Apr. – Sept. 1996	<p><b>European Commission, Stagiaire in DG 3. Enterprise. Unit on Biotechnology.</b> Head of Unit: Mr G. Cozigou.</p> <ul style="list-style-type: none"> <li>I worked on the Environmental and food safety regulation of genetically modified organisms.</li> </ul> <p>From Oct.-Dec. I completed the full trimester module on EU Law of the LSE Master on EU: Law, Government and Policy.</p>

## RESEARCH ACTIVITIES

### CURRENT RESEARCH INTERESTS

**Field of knowledge and core concepts:** Transformative science and governance in complex social-ecological-technological systems, with a focus on the regeneration of the life support system including healthy water, fertile topsoil and the interdependent web of diverse life forms.

**Central research question:** how to organize transdisciplinary scientific inquiry and knowledge co-production for better taking into account complexity, contingency, contradictions, uncertainty, ignorance, and open futures, as we shape our intentions and actions on sustainability challenges.

**Research approaches and methods:** transdisciplinary research, collaborative conceptual systems mapping, scenario approaches, co-design of sustainability indicators, citizen science, and transformation laboratories.

**Experiences drawn upon:** Dr König's transdisciplinary research and teaching benefits from a unique combination of career experiences including as a researcher in the natural and social sciences in academia, as well as working in the private sector, and for intergovernmental organisations. Her work in the area of governance and risk regulation, technology impact assessment, Science and Technology Studies (STS), epidemiology and (eco-)toxicology, genetic engineering and biochemistry in diverse organisational settings all prove highly salient in her current transdisciplinary research and teaching on sustainability science for transforming human-environment interactions.

*OVERVIEW ON MAIN CURRENT RESEARCH THAT I RAISED FUNDS FOR AND LEAD AS PI*

Project	Duration	Budget (kEuro)	Core questions and methods	Human resources	Funded by...
<b>Forest Pioneer</b> (Co-PI with Prof. Teferle, Department of Engineering, UL)	1.3.2023-28.3.2026	400	Combining citizen science with remote sensing data towards improved forest monitoring	1 Post doc 1 Research specialist	The University of Luxembourg Institute for Advanced Studies Audacity programme
<b>NEXUS FUTURES-Engagement with Water and Land</b>	2017-2021	943	Can we improve understandings and action repertoires on challenges at the water-soil nexus with collaborative conceptual systems mapping, and scenarios approaches?	1 Ph.D. (4 years), 1 Post doc (5 years)	Ministry for Sustainable Development and the University of Luxembourg
<b>WATGOV-Citizen Science on water quality</b>	2017-2021	187	Can citizen science play a role in improving water governance in Luxembourg?	1 Ph.D. (3+1 years)	An Internal Research Project (IRP) grant of the University of Luxembourg set up to foster interdisciplinary and cross-faculty research.
<b>SCHOOL FUTURES</b>	2017-2021	200	Can scenario and systems approaches be designed in order to foster 'transdisciplinary' learning at schools?	1 Ph.D. (4 years)	Ministry for Education, and the Service for Coordination of Research and Innovation and Technologies (SCRIPT))
<b>BIOSPHERE INVEST</b>	2020-2021	54	Innovative future financial instruments to fund the regeneration of resilient ecosystems that provide fundamental ecosystems services with associated impact assessment schemes (first focus on forests).	1 Research Associate (1 year)	The European Investment Bank (STAREBEI scheme)
<b>AKTIOUN NOHALTEGKEET</b>	2021-2025	562	On virtual scaffolding for informal individual and social learning for sustainability transformations	1 Ph.D. (4 years)	Ministry for the Environment, Climate and Sustainable Development
<b>AGROFORESTRY</b>	2021-2022	50	Design and implementation of a participatory approach with future-oriented systems thinking methods to co-create a national strategy for agroforestry, that includes a research and training strategy to underpin social learning for resilient engagement with water and land.	1 year pilot project	Administration de la Nature et des Forêts (ANF, Naturfonds)  An invited five-year project proposal with Post Doc and Ph.D. is currently being drafted with the ANF

As part of these research projects we organized over 25 Workshops in the period 2015-2024, mostly with 25-55 participants, contributing to capacity building in future-oriented systems thinking in Luxembourg.

*FUNDING RESPONSIBILITIES AT VARIOUS CAREER STAGES INCLUDED*

2023-2026: Project Forest Pioneer, Co-PI: Ariane König with Prof. Teferle. Budget 400 k Euro.  
 2021-2025: Project Aktioun Nohaltegkeet, PI: Ariane König. Budget 562 k Euro.  
 2021-2022: Project Agroforestry, PI: Ariane König. Budget: 50 k Euro.  
 2020-2021: Project BiosphereInvest, PI: Ariane König. Budget: 54 k Euro.  
 2017-2021: Project 'NEXUS FUTURES', PI: Ariane König. Budget: 943 k Euro  
 2017-2021: Project 'WATGOV' PI: Ariane König. Budget: 187 k Euro  
 2017-2021: Project 'SCHOOL FUTURES', PI: Ariane König. Budget: 200 k Euro  
 2009-2015: University of Luxembourg: Head of Sustainable development. Budget: ~75 k Euro/year.  
 2012: Fonds National de la Recherche: Public Lecture Series on Sustainable Development': 3 k Euro  
 2010: Grant by Fonds National de la Recherche for ISCN Symposium in China. Budget: 10 k Euro.  
 2005-2007: Part-time independent consultant. Received fees in the order of 15 k – 20 k Euro/year.  
 1998-2000: Monsanto. Head of Scientific Affairs Europe / Africa. Budget of ~1.4 M USD / year.  
 1993-1995: ESRS grant in support of Ph.D.

*OTHER RESEARCH ACTIVITIES:*

May 2024 – 2025. Engagement in the

2022-2023. Regular contributions including expert advice, the conduct of interviews and the organisation of one workshop in the project 'Agglo-Centre' on the development of a concept and design of a Greenbelt for climate resilient development around the city of Luxembourg funded by the government department for spatial planning and led by the Architecture Bureau 2001.

*RESEARCH TRAINEES – Ph.D. LEVEL*

- Maximilian Klein 'On virtual scaffolding for informal individual and social learning for sustainability transformations' started on 15 June 2021. Ongoing. Role: Supervisor, PI.
- Kristina Hondrila 'What is actionable knowledge for sustainable water governance?' started on 15 March 2017 – December 2020. Successful defense on 4 December 2020. Role: Supervisor, PI.
- Karl Pickar 'Co-design of a citizen science tool for sustainable water governance and transformative learning', started on 1 July 2017- successful defense on 16 December 2021. Role: Supervisor, PI.
- Bo Raber 'Transformative learning from collaborative conceptual systems mapping and futures in schools', started on 15 November 2017 – invited to submit dissertation before 15 May 2022- defense foreseen June 2022. Supervisor, PI: Ariane König.
- Paula Hild 'Implementation of the circular economy: Challenges for institutions and practices', Role: member of the .Committee d'Encadrement de Thèse , Main Supervisor& PI: Prof. Christian Schulz, Completed in September 2021.
- Jan Tobias-Doerr .'Learning from 30 years of transition – A reconstruction of the sustainable development of Beckerich and its implication for Luxembourgish rural development' supervisor Prof. Christian Schulz, My role: Member of the .Committee d'Encadrement de Thèse and vice president of the jury. Completed in May 2019.
- Ante Galich 'The co-production of policy and science in the governance of EU research & innovation policy" co-supervisor with Prof. Robert Harmsen- My role: Scientific contact and vice president of the jury. Completed in February 2015.



- Franklin Feyeh Bahfon on 'Greening Local Economies in Luxembourg: Understanding Nature Parks as instruments of Sustainable Regional Development' co-supervisor with Prof. Christian Schulz. Role : Scientific contact. Completed in May 2015.

#### RESEARCH SUPERVISED AT MASTERS -LEVEL

- Elivira Jörg on 'Towards a regenerative regional economy in Luxembourg – a case study on apiculture' and Salvatore Coppola on 'Governing forest as complex social ecological system: A case study of Luxembourg'. Two Masters Theses prepared as part of the Master in Geography and Spatial Planning at the University of Luxembourg, submitted on 30 June and 31 August 2024, respectively.
- Tea Sikharulize on 'Exploring the challenges to participatory water governance: the case of the Upper-Sûre and Syr River Partnerships in Luxembourg' Masters Thesis prepared as part of the Master in Geography and Spatial Planning at the University of Luxembourg, submitted in July 2018.
- Simone Kolz on 'Climate change in the Himalayas: the role of local adaptation plans for action in Nepal', Masters Thesis prepared as part of the Master in Geography and Spatial Planning at the University of Luxembourg, submitted in September 2016.
- Samuel Evans on 'The governance of biotechnology at WTO: a cultural theory framework', Masters Thesis at the University of Oxford, who was awarded the Dan Gowler Prize for prize for best dissertation in the Management Department of the year at the Saïd Business School.
- Tutorials for Masters Students at the Kennedy School of Government, Harvard University accompanying the course on 'Environmental Science for Policy'. Gave supervisions and tutorials to undergraduates at Cambridge University.

#### VISITING RESEARCHERS AND SCHOLARS

September 2019- March 2020 (Cut short due to COVID): Research stay by Ms Yuyu Obara in our research group in Luxembourg. Ms Obara is a Ph.D. candidate with Hideki Maruyama, Associate Professor, Sophia University with the goal of developing a closer collaboration.

10.11.-15.11.2017: Received Associate Professor Yuliana Lavrish from the National Technical University of the Ukraine in Kiev for a one-week research stay, who was interested in the Certificate in Sustainable Development and Social Innovation.

January 2017 to December 2022: Invited as 'Collaboratrice scientifique de l'equipe SEED', Université de Liège, Arlon, Campus Environnement (<http://www.seed.ulg.ac.be/equipes/>)

#### CONTINUING PROFESSIONAL DEVELOPMENT ACTIVITIES

[Wohllebens Waldakademie](#), Forest and climate change: A one day seminar. (31 August 2024)

The [Regenesis Group](#), Regenerative Design and Development: The regenerative practitioner – a hybrid in person/online course over 6 months organized by (May - November 2024)

University of Cambridge, [Institute for Sustainability Leadership](#), Cambridge Leading Sustainability: High Impact Leadership online short course – a UK CPD certified course with about 100 learning hours – online over 8 weeks (May – July 2023).

[Schumacher College](#), Darington Trust. The labyrinth and the dance floor. A one-week course on transforming human-ecological relations and narratives to reveal and engage with the extent of ecological, social, and cultural unravelling and disruption that is now underway. In association with the [Dark Mountain Project](#). (June 2023). (With Dartington Trust Scholarship).

A course on project management at the University of Luxembourg, FLSHASE (November 2013).

Leadership on the line – a course on '[Adaptive leadership](#)' by [Ronald Heifetz](#) at the Harvard University Kennedy School of Government, Cambridge MA, USA. (January 2004-followed as an auditor, handed in a final report).

'Essential facilitation' by '[Interaction Associates](#)' Cambridge MA, USA: A three day programme conveying essential skills for guiding groups in every-day life as well as through difficult situations. (January 1999).

Environmental and Resource Science for Policy, a graduate course (ENR-100) at the Kennedy School of Government, Harvard University (Followed as an active auditor, handing in all assignments, September – December 2000).

Trained as a 'Development, Performance Rewards' Champion at Monsanto (various locations around the world): Train-the-trainer programme for implementing a new management and career reward scheme in the company, in which career rewards are based on the performance of direct reports. (June 1998- March 2000).

Executive Presentation Skills training by Communispond, London, UK: First training in business presentation skills whilst at Monsanto. (May 1999).

Methodology and principles of toxicology. A certified course on chemical hazard and risk assessment by [BIBRA International](#). (27 April – 1 May 1998).

EU law section of the Masters programme on 'EU: Law, Government and Policy' at the London School of Economics, London, UK. (1 October 1996 – 15 January 1997). Completed the entire law section of the Masters programme (Certified).

#### *INVITED TALKS AND SEMINARS*

24. May 2024. Expert speaker at the Public Seminar on the 'Intertwined Biosphere' at the Royal Academy of Science, Sweden, organized by the [Anthropocene Laboratory](#).

23-24.11.2023. Invited speaker at the conference on 'Inter- and Trans-disciplinarity' organized by the Université Catholique de Louvain under the auspices of the Circle U universities of the European University Association.

17 April 2024: Expert on panel at the International School Luxembourg at a conference on Regenerative Leadership for International Schools

18 January 2024: BENELUX Expert meeting on Nature Education in the BeNeLux. Key note presentation "We are system change: Harnessing the transformative power of schools' opening the meeting.

May 2023: Greenpeace Europe podcast in the System-shift Series by Ariane König: <https://www.greenpeace.org/international/podcasts/64894/systemshift-ariane-konig-regenerating-society/>

January 2022: Lecture on action research and citizen science in the seminar on research methodology in geography in the Masters programme in Geography at the University of Trier.

2021-2022: Lecture course on 'Future-oriented systems thinking for sustainability', **Sophia University, Tokyo, Japan.**

2018 - 2022: Annual invited seminar and workshop on systems approaches for collaborative mapping of complex social-ecological-technological systems at the University of Namur, Belgium, in the programme on 'Smart ruralities'.



2021. Invited presentation: **30. Wissenschaftliches Kolloquium der Deutschen Statistischen Gesellschaft** 'Von der Umweltstatistik zur Nachhaltigen Entwicklung' A jointly prepared presentation on the potential of citizen science as data source for official statistics with Dr Jacek Stankiewicz on 19.11.2021

2021: Invited presentation: A jointly prepared presentation on the potential of citizen science as data source for official statistics with Dr Jacek Stankiewicz, at the **European Statistics Day** organized by **the European Statistical Advisory Committee**: Workshop on non-traditional data sources and data science for official statistics' on 20.10.2021

2021: Invited presentation and moderator of round table: **Luxemburg Kolloquium zum Weltwassertag 2021**. virtuelle Konferenz. Neue Ansätze zur Öffentlichkeitsarbeit mit Citizen Science und Reallaboren.

2020: [TEDx Luxembourg Talk on restoring the foundations for life on earth](#)

2020: Key note speech on Climate Action at the municipality of [Junglinster Climate Crisis Conference](#) on 10.12.2020.

2020: Key note on 'Scenarios for climate resilience' at a Luxembourg workshop with municipalities (CIPU workshop) on 9.12.2020.

2017-2019: Annual Invited summer school seminar and workshop (6 days) on systems approaches for sustainable campus development at the University of Hokkaido, Sapporo, Japan.

2019: International Leverage Points Conference: Presentation in a session on collaborative methods at the Leuphana University from 7-9 February 2019.

2018: BENELUX seminar on Environmental and Sustainability Education in the BeNeLux Presenter and expert panel member on 22 November 2018.

2018: 2018 October Days for Sustainable Development at the European Investment Bank and EIB Institute on "Financing the SDGs". Member of expert panel on 'UN Sustainable Development Goal 6 on Water' on 11 October 2018.

2018: Institut für Technikfolgenabschätzung und Systemanalyse / ITAS, at the Karlsruhe Institute for Technology: Invitation as guest speaker on 'Developing transformative sustainability science in Luxembourg: Concepts, methods and practices' by Prof. Dr Grunwald on 16 January 2018.

2017: Invited to lead a seminar and present on education and learning in living laboratories at the Interkolloquium Reallabore Stuttgart on 6 July 2017.

2016: Invited to chair a session on 'The social dimension of statistics' at the Conference of European Stakeholders in Statistics in Budapest on 20 and 21 October.

2016: Invited to co-organised, co-chaired and presented at a session on sustainability indicators with Walter Radermacher at the Workshop on the development and use of indicators of the European Statistical Advisory Committee in The Hague on 10 May 2016.

2016: Invited expert and panel member at the Interkolloquium Reallabore Stuttgart on 29 April 2016.

2015: 2015 October Days for Sustainable Development at the European Investment Bank and EIB Institute: Panel chair and contributor of a panel on 'What are the links between the United Nations Sustainable Development Goals and the Europe 2020 targets'. On 28 October 2015.

2014: International Conference of the Sustainable Campus Network of Japan, University of Hokkaido, Sapporo, November 2014: Invited Key Note Speaker.

2014: Conference on Sustainability Science of the International Alliance of Research Universities: Invited Session Co-Chair and presenter on 'Education in sustainability'. Copenhagen, Denmark.

2010: Organisation of the International Symposium of the International Sustainable Campus Network in the Luxembourg Pavillion at the Shanghai Expo and at Tongji University (2 days, 92 participants)

2009-2015 (annually): The International Sustainable Campus Network: Chair of ISCN Working group 3, annual organization and lead of the Working Group sessions at all international conferences in that time period.

König, A. (2000). International Society for Risk Analysis - 2000 Edinburgh, Scotland': Presentation on Risk assessment of antibiotic resistance markers in genetically modified crops. In 'Proceedings of the International Congress on Foresight and Precaution.'

König, A. (2000). Development and biosafety aspects of transgene excision methods. In 'Proceedings of the 6th International Symposium on the Biosafety of Genetically Modified Organisms - 2000 Saskatchewan, Canada'.

König, A. (1998). Brighton Crop Protection Conference: Comparison of the EU and the U.S. regulatory framework for the environmental safety assessment of transgenic crops - an industry perspective. In 'Proceedings Brighton Crop Protection Conference - 1998 Monday Symposium, Brighton, UK'.

König, A. (1998). Genetically modified crops in the European Union - the regulatory framework and public acceptance. In 'Proceedings of the International Congress of the International Association of Plant Tissue Culture and Biotechnology - 1998 Jerusalem, Israel'.

#### EDITORIAL AND REVIEWING ACTIVITIES

##### Research evaluation:

May 2024- Feb. 2025. Member of evaluation committee for research proposals on climate resilient development for the Dutch National Research Council (NWA).

June 2024-May 2026. Member of the 'Evaluation Committee for Brainstorm and Distinguished Projects' of the Institute for Advanced Studies, and substitute member of the IAS Scientific Council (Oct.2024-2026).

External reviewer for the European Research Council in 2020 & 2021. Expert for the evaluation of FP6 SME cooperative research proposals in health and biomedicine (October 2005). Expert on a panel for evaluation of biosafety research for German Federal Ministry for Research and Education.(2000-2002).

**Journals:** Regularly review proposed papers for a wide range of international peer reviewed Journals including in *People & Nature*, *Nature Biotechnology*, *Journal for Cleaner Production*, *Futures*, *International Journal for Sustainability in Higher Education*, *Minerva*, *'Science, Technology and Human Values'*, *Food Control*, *Sustainability Science*, *Current Opinion in Environmental Sustainability*, and *Risk Analysis*.

**Invited member of the editorial board** of the Journal *'Frontiers in Sustainability – Sustainable Organisations'* 2022-2023.

**Special issues:** Served as **co-editor** in the international peer reviewed Journals *Current Opinion in Environmental Sustainability* (2015) (5 year impact factor= 5,545), and *Environmental Education Research* (2018) (2017 Impact factor = 2,585).

**Books edited:** *Sustainability science: Key Issues* (Routledge, 2018); *Regenerative Sustainability in Universities and Cities: The role of living laboratories* (Edward Elgar, 2013).

## AWARDS

- 2024 'Seal of Excellence' awarded for my application to the first edition of the Marie Speyer excellence award for women in science.
- 2023 Awarded Dartington Trust Scholarship as contribution to pay fees towards the course
- 2000 Awarded EU Fulbright Fellowship to conduct research on science and technology governance at the Harvard University, Kennedy School of Government, I returned the grant at the end of the 6 months period as I chose to prolong my stay over 6 months in duration.
- 1994 Emmanuel College Quartercentenary Studentship funding Ph.D. research.

## TEACHING - OVERVIEW

**2013-to date: Developed and direct the Certificate in 'Sustainability and Social Innovation' at the University of Luxembourg:** An innovative study programme with 2 core courses for 6 ECTS each on 'Science and Citizens meet Challenges of Sustainability' and on 'Social Enterprise and Social Innovation', and 2 auxiliary courses, peer group project work, and internship opportunities for transformative learning for sustainability.

**2014- to date: A course on 'Global Environmental Change in the Anthropocene'** with a focus on environmental and complex system science in the Master in Geography and Spatial Planning that is also part of the Master in Architecture and the Certificate in Sustainability and Social Innovation.

**2020-todate:** Transferable skills doctoral seminar on 'Science in Society', University of Luxembourg.

**2021-to 2023: Course on future-oriented systems thinking, Sophia University, Tokyo, Japan.**

**2018 – 2022: Invited teaching at the Université de Namur, Belgium:** Contribution of lectures and workshops to a course on Systems thinking in the Master of Smart Ruralities developed by Prof. Nicolas Dendoncker.

**2017 - 2019: Invited teaching at the University of Hokkaido, Sapporo, Japan:** Invited to co-design and contribute lectures and a workshop to a course in Summer School of Hokkaido University on Sustainable campus development, systems thinking and futures developed by Ass. Prof. Maki Ikegami.

**2014- 2017: Doctoral school seminars:** Co-lead and development of the programme for the interdisciplinary strand on sustainability of the IPSE doctoral school. The seminar on 'The practice of critical interdisciplinarity' will be offered as transversal skills course at the university cross-faculty level starting in 2020.

**2009-2012: Interdisciplinary cross-faculty courses:** Developed and taught the University of Luxembourg's first interdisciplinary cross-faculty courses (for students and professionals) on 'Science and citizens meet challenges of sustainability'; and 'Social enterprise and social innovation'.

**2002-2004: Executive training:** Taught in executive training programmes on Competitive Advantage Regulation and the Environment (CARE) offered by the Massachusetts Institute of Technology and on health risk assessment at the Harvard School of Public Health.

**2001-2004: Training at post-graduate-level:** Taught in post-graduate courses on environmental science for policy and environmental and health risk assessment at the Harvard Kennedy School of Government, Oxford University Saïd School of Business, and at Georgetown University.

**1992-1995: Training at undergraduate level:** Taught and supervised undergraduate students at the University of Cambridge, Emmanuel College: Taught tutorials and laboratory classes in biochemistry and molecular biology.

## EXPERT AND ADVISORY POSITIONS

May 2024- Feb. 2025.	Member of evaluation committee for research proposals on climate resilient development for the Dutch National Research Council (NWA).
June 2024-May 2026.	Member of the 'Evaluation Committee for Brainstorm and Distinguished Projects' of the Institute for Advanced Studies, and substitute member of the IAS Scientific Council (Oct.2024-2026).
May 2024- April 2025	Contributing expert as part of the Intertwined Biosphere Project of the Anthropocene Lab of the Swedish Royal Academy of Science, Sweden.
November 2021	Appointed per government decree as one of seven experts (four from Luxembourg, three international) on the new national advisory panel 'Observatoire de la Politique du Climat'
April 2021 April 2020	External expert review of proposals for the European Research Council.
Juli 2021	Invited as external reviewer for the evaluation of the Karlsruhe Institut für Technologie Zentrum Mensch und Technik.
January 2022 January 2021 January 2020	Invited expert on the scientific advisory panel of the project 'Energietransformation im Dialog' at the Karlsruhe Institut für Technologie, Institut für Technikfolgenabschätzung und Systemanalyse.
June-August 2019	Invited expert committed to review proposals for the FWF Austrian Science Fund for their call "Top Citizen Science 2019".
January 2018-to date	Appointed Board member of the Société d'Impacte Sociétal (S.I.S.) 'Youth and Work' founded by Mrs Ariane Toepfer for supporting youth who are neither employed nor at school.
January 2017- December 2023	Appointed Board member of the a.s.b.l. TIIME co-founded by Mrs Hedda Pahlson Moeller for supporting activities to developing social impact investment ecosystem in Luxembourg.
April 2016 & April 2017	Invited expert to assist in knowledge transfer and evaluation activities for the initiative 'Real Labore in Baden-Württemberg'
January 2016 to date	Appointed member of the European Statistical Advisory Committee (ESAC) of the European Statistical System to serve as expert on sustainability, environment and agriculture.
January 2013 – December 2020	Member of the Luxembourg 'Conseil Supérieur pour un Développement Durable'. Co-lead of the project 'Scenarios for education in Luxembourg in the face of 21st century sustainability challenges'. Lead of the working groups to evaluate the national action plan on climate change, and development of a knowledge platform for sustainability initiatives for Luxembourg (ongoing)
April 2016 April 2015 April 2014	Invited expert to evaluate and provide feedback on the sustainability report developed in accordance with guidance of the Global Reporting Initiative by the Luxembourg national enterprise POST. Over three consecutive years.
April 2009 – December 2016	Chair of a Working Group of the International Sustainable Campus Network (ISCN), and lead-author of ISCN Charter committing signatories to regular reporting. Over 50 Universities signed.
April 2012 –December 2015	Appointed Member of the national 'Groupe de Réflexion: Indicateurs Développement Durable du Ministère pour le Développement Durable et Infrastructures'
September 2012 September 2013	Jury member of the national competition 123 Go Social awarding business plans for social enterprise.
January 2012 – May 2013	Expert for the OECD-LEED study on Indicators for Local Green Growth Transition in Alzette-Belval – a cross-border study.
March-May 2011	Invited international expert for a campus planning project for the regional government of Canton Zürich, Zentrale Hochschule für Angewandte Wissenschaft, and Baseler & Partner.
October 2005	Expert for the evaluation of FP6 SME cooperative research proposals in health and biomedicine.

January 2000- December 2002	Expert on a panel for evaluation of biosafety research for German Federal Ministry for Research and Education.
May 2001- January 2002	As expert consultant to OECD I developed a research report on public participation in activities on biosafety under the auspices of intergovernmental organizations including the OECD selected organisations of the United Nations.
January – September 2000	Expert advisor to the European Commission Forward Studies Unit contributing background paper on democratising expertise and a presentation towards the 'White Paper on Governance'.
1998-1999	Invited expert to formally represent the Life Sciences Industry as the Business and Industry Advisory Committee (BIAC) representative at OECD meetings of the Novel Foods Task Force.

## TECHNOLOGICAL IMPACT

1. Link to the SustainLux platform: <https://sustainlux.lu/en>
2. Link to the citizen science APP WaterLinX: <https://www.spotteron.net/apps/regional-community-science-projects/waterlinx-citizen-science>
3. Link to the T-Lab Luxembourg site: <https://transformation-lab.lu/>

## LIST OF PUBLICATIONS

Over 60 publications, of which 36 are peer-reviewed publications in international journals. 38 are first author publications.

[Google scholar data](#) after deletion of wrongly attributed papers:

<b>Citations</b>	<b>4435</b>
<b>h-index</b>	<b>26</b>
<b>i10-index</b>	<b>31</b>

**Research Gate:**

<b>Citations:</b>	<b>2440</b>
<b>Research Interest</b>	<b>1359</b>

**Scopus** [Author ID: 56283775800](#) (based on thirty two papers): **h-index 21 (2635 citations based on 36 documents)**

Stankiewicz, J., König, A., Pickar, K and Weiss, S. 2023. How Certain is Good Enough? Managing Data Quality and Uncertainty in Ordinal Citizen Science Data Sets for Evidence-Based Policies on Fresh Water. *Citizen Science: Theory and Practice*, 8(1): 39, pp. 1–15. DOI: <https://doi.org/10.5334/cstp.592>

Mordechai Haklay, Ariane König, Fabien Moustard, Nicolle Aspee, 2023. Citizen science and Post-Normal Science's extended peer community: Identifying overlaps by mapping typologies, *Futures*, 150: 103178, <https://doi.org/10.1016/j.futures.2023.103178>.

König, A., Dupont, C., Ferrone, A., Kosch, M., Benetto, E., Dörry, S., Van Yperle, J-P OPC Annual Report 2023. Chapter 2. On Governance for System Transformation. p.23-24  
<https://opc-luxembourg.lu/wp-content/uploads/2023/10/OPC-Annual-Report-2023.pdf>

Ferrone, A., Kosch, M., Benetto, E., Dörry, S., Dupont, C., König, A., Van Yperle, J-P.

Publications of the Luxembourg Observatory for Climate Politics:

- Opinion of Luxembourg's fossil fuel subsidies (25.3.24)
- Statement on the Government Coalition agreement 2023-2028. (23.11.23)
- Annual Report 2023 (12.10.2023)
- Statement on the draft integrated National Energy and Climate Plan (13.6.2023)
- Annual Report 2022 (7.10.22)

König A. & Weiss, S. 2023. Landwirtschaft an den Klimawandel anpassen? *Bauren-Allianz Info*, 1-2023, 8-9.

König, A., Ravetz, J., Raber, B., Stankiewicz, J., Rojas-Aedo, R., Hondrila, K., and Pickar, K. (2021). Taking the Complex Dynamics of Human–Environment–Technology Systems Seriously: A Case Study in Doctoral Education at the University of Luxembourg. *Frontiers in Sustainability* 2: article 673033. doi: 10.3389/frsus.2021.673033

König, A., McGinley, C., Drenth, G., Raber, B., Schartz, F. (2021). Using scenario approaches to inform transformation initiatives in the school system in Luxembourg. *The European Court of Auditors Journal*, 194-200.

Raber B. & König A. (2021). Schule und Lernen für Welten im Wandel. In Backes, S. & Lenz, T. ed.s *Luxemburg Bildungsbericht 2021*. 158-159.

König, A., Pickar, K., Stankiewicz, J. & Hondrila, K. (2021). Can citizen science complement official data sources that serve as evidence-base for policies and practice to improve water quality? *Statistical Journal of the IAOS*, DOI: 10.3233/SJI-200737

Caniglia, G., Luederitz, C., von Wirth, T., . Fazey, I., Martín-López, B. Hondrila, K., König, A., von Wehrden, H., Schäpke, N.A., Laubichler, M.D., Lang, D.J. (2020). A pluralistic and integrated approach to action-oriented knowledge for sustainability. *Nature Sustainability*, <https://doi.org/10.1038/s41893-020-00616-z>

König, A., Hondrila, K., Manhart, S., Pickar, K., Raber, B., and Sebastian, I. (2019). Collaborative Conceptual Systems Mapping (CCM) and its potential for transformative dialogue. Presentation in Session 2-4 on collaborative methods. International Leverage Points Conference at the Leuphana University from 7-9 February 2019.

König, A. Ed. (2018). *Sustainability Science: Key issues*. Abingdon, UK: Routledge.

König, A. (2018). Sustainability science as a transformative social learning process. In: König, A. (Ed.) *Sustainability Science: Key issues*. Abingdon, UK: Routledge. Pp. 3-28.

König, A. (2018). Systems approaches for transforming social practice: Design requirements. In: König, A. (Ed.) *Sustainability Science: Key issues*. Abingdon, UK: Routledge. Pp. 55-81.

König, A. (2018). Outlook. In: König, A. (Ed.) *Sustainability Science: Key issues*. Abingdon, UK: Routledge. Pp. 345-356.

Drenth, G., Elahi, S. and König, A. (2018). Exploring alternative futures with scenarios. In: König, A. (Ed.) *Sustainability Science: Key issues*. Abingdon, UK: Routledge. Pp. 113-132.

Tran, K.C. and König, A. (2018). Community-based monitoring for improved water governance: A case study in Holbox Island, Quintana Roo State, Mexico. In: König, A. (Ed.) *Sustainability Science: Key issues*. Abingdon, UK: Routledge. Pp. 250-268.



Van Poeck, K., König, A. and Wals, A. E.J. (2018). Environmental and sustainability education in the Benelux countries: Research, policy and practices at the intersection of education and societal transformation. *Environmental Education Research* **24** (9): 1234-1250.

Van Poeck, K., Wals, A. E.J. and König, A. (2018). Guest Editors. Environmental and Sustainability Education in the Benelux Region: Editorial. *Environmental Education Research* **24** (9): 1229-1234. DOI: 10.1080/13504622.2018.1471668

Dendoncker, N., Boeraeve, F., Crouzat, E., Dufrêne, M., König, A. and Barnaud, C. (2018). How can Integrated Valuation of Ecosystem Services help understanding and steering agroecological transitions? *Ecology and Society* **23** (1), 12-21. doi: 10.5751/ES-09843-230112

Sonnleitner, P., König, A. and Sikharulidze, T. (2018). Learning to confront complexity: what roles can a computer-based problem-solving scenario play? *Environmental Education Research* **24** (9-10): 1340-1359. doi: 10.1080/13504622.2017.1378623

König, A., Dyball, R. and Davila, F. (2016). Transforming the World by Transforming the University: Envisioning the University of 2040. *Solutions* **7** (3), 12-16.

Luederitz, C., Schäpke, N., Wiek, A., Lang, D.J., Bergmann, M., Bos, J.J., Burch, S., Davies, A., Evans, J., ; König, A., Farrelly, M. A., Forrest, N., Frantzeskaki, N., Gibson, R. B., Kay, B., Loorbach, D., McCormick, K., Parodi, O., Rauschmayer, F., Schneidewind, U., Stauffacher, M., Stelzer, F., Trencher, G., Venjakob, J., Vergragt, P. J., von Wehrden, H and Westley, F.R (2016). Learning through evaluation - A tentative evaluative scheme for sustainability transition experiments. *Journal of Cleaner Production*, 1-16. doi: 10.1016/j.jclepro.2016.09.005

König, A. & Budwig, N. (2015). Guest Editors. Changing requisites to higher education in the face of 21<sup>st</sup> century sustainability challenges. A Special Issue in *Current Opinion in Environmental Sustainability* **16**. doi: 10.1016/S1877-3435(15)00133-5

König, A. (2015). Changing requisites to universities in the 21st century: Organizing for transformative sustainability science for systemic change. *Current Opinion in Environmental Sustainability* **16**, 105-111. doi: 10.1016/j.cosust.2015.08.011

König, A. (2015). Towards systemic change? On the co-creation and evaluation of a study programme in transformative sustainability science with stakeholders in Luxembourg. *Current Opinion in Environmental Sustainability* **16**, 89-98. (IF=3,1) doi: 10.1016/j.cosust.2015.08.006

Sprumont, F., Viti, F., Caruso, G., & König, A. (2014). Workplace Relocation and Mobility Changes in a Transnational Metropolitan Area: The Case of the University of Luxembourg. *Transportation Research Procedia* **4**, 286–299. doi:10.1016/j.trpro.2014.11.022

Bruyninckx, H., Martinez-Fernandez, C., Sharpe, S. and König, A. (2013). Green growth in the Benelux: Indicators of local transition to a low-carbon economy in cross-border regions. Ghent, Belgium and Esch-sur-Alzette, Luxembourg: OECD/LEED/European Commission/Benelux Region. doi: 10.1787/20794797

König, A. (2013). Regenerative Sustainable Development of Universities and Cities: The role of living laboratories. 1<sup>st</sup> edition. Cheltenham, Glos, UK: Edward Elgar publishing.

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*Development of Universities and Cities: The role of living laboratories*. Cheltenham, Glos, UK: Edward Elgar publishing. Pp. 1-23.

König, A. (2013). What might a sustainable university look like? Challenges and opportunities in the development of the University of Luxembourg and its new campus. In: König, A. (Ed.) *Regenerative Sustainable Development of Universities and Cities: The role of living laboratories*. Cheltenham, Glos, UK: Edward Elgar publishing. Pp. 142-169.

König, A. (2013). Conclusion: a cross-cultural exploration of the co-creation of knowledge in living laboratories for societal transformation across four continents. In: König, A. (Ed.) *Regenerative Sustainable Development of Universities and Cities: The role of living laboratories*. Cheltenham, Glos, UK: Edward Elgar publishing. Pp.254-273.

König, A. (2010) Compatibility of the SAFE FOODS Risk Analysis Framework with the legal and institutional settings of the EU and the WTO. *Food Control* **21**(12), 1638-1652. doi:10.1016/j.foodcont.2009.11.018

König, A., Kuiper, H.A., Marvin, H.J.P., Boon, P.E., Busk, L., Cnudde, F., Cope, S., Davies, H.V., Dreyer, M., Frewer, L.J., Kaiser, M., Kleter, G.A., Knudsen, I., Pascal, G., Prandini, A., Renn, O., Smith, M.R., Traill, B.W., van der Voet, H., van Trijp, H., Vos, E., Wentholt, M.T.A. (2010) The SAFE FOODS framework for improved risk analysis of foods. *Food Control*, **21**(12), 1566-1587. doi:10.1016/j.foodcont.2010.02.012

Smith, M.R. and König, A. (2010) Environmental risk assessment for food-related substances. *Food Control*, **21**(12), 1588-1600. doi:10.1016/j.foodcont.2009.12.032

Traill, W.B. and König, A. (2010) Economic assessment of food safety standards: Costs and benefits of alternative approaches. *Food Control* **21**(12), 1611-1619. doi:10.1016/j.foodcont.2009.06.018

Wentholt, M. T. A., Rowe, G., König, A., Marvin, H. J. P. and Frewer, L. J. (2009). The views of key stakeholders on an evolving food risk governance framework: Results from a Delphi study. *Food Policy*, **34** (6), 539–548. doi:10.1016/ 2549 j.foodpol.2009.06.002

König A. (2007). Democratising decision-making on food safety in the EU: Closing gaps between principles of governance and practice. *Minerva* **45** (3), 275-294.

König, A. (2007). Towards safer foods and more democratic decisions: Is this a contradictory goal? *OCL Oleagineux, Corps Gras, Lipides*, **14** (2), 92–99.

König, A. (2006). Governance of Food Safety in the European Union. In: Carruth, Reba (Ed.) *Global Governance of Food and Agriculture Industries: Transatlantic Regulatory Harmonization and Multilateral Policy Cooperation for Food Safety*. Cheltenham, UK and Brookfield, US: Edward Elgar Publishers. Pp. 133-163. (Book adopted as official WHO and PAHO text).

König, A., Cohen, J., Bouzan, C., Connor, W., Kris-Etherton, P.M., Gray, G., Lawrence, R.S., Savitz, D.A. and Teutsch, S. (2005). Fish consumption and coronary heart disease: A review of data on the dose-response relationship. *American Journal for Preventive Medicine* **29** (4), 335-346.

Bouzan, C., Cohen, J.T., Connor, W.E., Kris-Etherton, P.M., Gray, G.M., König, A., Lawrence, R.S., Savitz, D.A. and Teutsch, S.M. (2005). A Quantitative Analysis of Fish Consumption and Stroke Risk. *American Journal of Preventive Medicine* **29** (4), 347-352. doi: 10.1016/j.amepre.2005.07.001

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König, A. (2004). Combining multiple viewpoints on genetically modified foods. *Food Today* (A publication of the European Food Information Council) **45**.

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König, A. (2003). "Forum Comment" Issues in Science and Technology **XX**, 14-16.

König, A. (2003). A framework for designing transgenic crops - science, safety, and citizen's concerns. *Nature Biotechnology*, **21** (11), 1274-1279.

König, A. (2003). Book review of 'How much risk? A guide to understanding environmental health hazards, by Inge F. Goldstein and Martin Goldstein. *Environment* **45**, 42-43.

König, A. (2002). Book review of 'The Precautionary Principle: A Critical Appraisal of Environmental Risk Assessment.' *Environment* **44**, 42.

König, A. and Jasanoff, S. (2002). The credibility of expert advice for regulatory decision-making in the US and EU. Cambridge, MA: Mossavar Rahmani Center for Business and Government, John F. Kennedy School of Government, Harvard University [Working Paper RPP-2002-07].

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König, A. (2000). Towards a common understanding of the precautionary principle? *Foreign Policy Bulletin* **11** (1-2), 125-135.

König, A. (2000). Risk assessment of antibiotic resistance markers in genetically modified crops. In 'Proceedings of the International Congress on Foresight and Precaution - 2000 Edinburgh, Scotland'.

König, A. (2000). Development and biosafety aspects of transgene excision methods. In 'Proceedings of the 6<sup>th</sup> International Symposium on the Biosafety of Genetically Modified Organisms - 2000 Saskatchewan, Canada'.

König, A. (1998). Comparison of the EU and the U.S. regulatory framework for the environmental safety assessment of transgenic crops - an industry perspective. In 'Proceedings Brighton Crop Protection Conference - 1998 Monday Symposium, Brighton, UK'.

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"Therefore, it is not the case that by means of likenesses a finite intellect can precisely attain the truth about things. .... For the intellect is to truth as an inscribed polygon is to the inscribing circle. The more angles the inscribed polygon has, the more similar it is to the circle. ..." Nicolas Cusa (1440). De Docta Ignorantia (Of Learned Ignorance)