

# Sannah H.P. van Balen

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Education	<b>University of Maastricht, FASoS</b>	The Netherlands
	MA in Science, Technology & Society	2020 – 2021
	Specialization in Science and Public Policy	80%, <i>Cum Laude</i>
	Mentors: Prof. Cyrus C.M. Mody, Dr. Geert J. Somsen	
	Thesis: <i>A Case of Flexi-Positivism: Dutch Politicians and Their Use of Science in the Nuclear Energy Debate</i>	
	<b>University of Cambridge, Lucy Cavendish College</b>	United Kingdom
	MPhil in Nuclear Energy	2016 – 2017
	Mentors: Dr. Eugene Shwageraus, Mr. Daniel Gillett	<i>High Pass</i>
	Thesis: <i>Aspects of Dose from Iodine Ablation Treatments</i> , in collaboration with Addenbrooke's Hospital, Cambridge	
	<b>University of Edinburgh</b>	United Kingdom
	BSc (Hons) in Physics	2011 – 2015
	Exchange year at the University of New South Wales (2013/2014)	<i>First Class</i>
	Mentors: Prof. Judy A. Hardy, Dr. Kristel S.I.K Torokoff	
	Thesis: <i>Implicit Association Test - Gender and Science</i> , in collaboration with George Watson's College, Edinburgh	
Honors and scholarships	EPSRC Studentship (Nuclear Energy Futures CDT)	2021
	Edinburgh Award (University of Edinburgh)	2013
	Honours Certificate of Merit (University of Edinburgh)	2013
	Pre-Honours Certificate of Merit (University of Edinburgh)	2011, 2012
Certificates and courses	EU Environmental Policies & Law POLLEN module (IES and CEDRE)	2020
	EU Policy and Implementation (University of Leiden)	2020
	Preparedness & Response for Nuclear & Radiological Emergencies (SCK-CEN)	2016
	Higher degree in Theatre and Speech (Mol Academy for Music & Speech)	2011
Work experience	<b>The Empowered Atom</b>	<a href="http://www.theempoweredatom.com">www.theempoweredatom.com</a>
	Founder & Managing Director	2019-current
	An editorial platform that uses art and design for climate change communication. Collaborations with experts result in opinion pieces, conference material, and video content. Visit <a href="#">here</a> .	
	<b>Thorizon</b>	Amsterdam, NL
	Communication Advisor	2021-current
	A start-up that is developing a modular Molten Salt Reactor (MSR) that uses Thorium to burn long-term radioactive waste and produce energy. Visit <a href="#">here</a> .	
	<b>ICHOS B.V.</b>	Utrecht, NL
	Nuclear Codes & Standards Consultant	2019-2020
	Advise the licensing team on regulations, codes and standards relevant to the conceptual design of the Pallas research and medical isotope reactor. Visit <a href="#">here</a> .	
	<b>Royal HaskoningDHV, Energy &amp; Environment</b>	Amsterdam, NL
	Consultant Energy Transition	2018-2020

	Energy audits for Waste-to-Energy plants under the Energy Efficiency Directive (2012/27/EU), environmental licensing for Porthos Carbon Capture and Storage (CCS), energy recuperation for industrial processes (e.g. VOPAK, Empyro).	
Research experience	<b>Scoping study for EURO-Fusion, SCK-CEN</b>	Belgium
	Mentors: Dr. Tanja Perko (SCK-CEN)	2016
	Research on the perception of nuclear fusion in Belgium (publication). Research on the Belgian media response after the Fukushima accident.	
	<b>EDOCALD Project, 2M Engineering Ltd.</b>	The Netherlands
	Mentors: Gilian Mimmagh ()	2014
	Research on the early detection of cancer using semiconductor lasers, funded by the EU Seventh Framework Programme for Research.	
	<b>Air filtration Study at Philips Research Shanghai</b>	China
	Mentors: Dr. Yongqin Zeng (Philips Research)	2014
	Market due-diligence on indoor air-pollution filtration systems in China.	
Publications	<b>Media Framing of Fusion</b>	
	T. Perko, C. Turcanu, <b>S.H.P van Balen</b> , G. Meskens, <i>Third Party Report</i> , 2016.	
	<b>Politici, stop met cherry picken uit de wetenschap</b>	
	<b>S.H.P. van Balen</b> , S. van Balen, <i>NRC Handelsblad</i> , 2021.	
Outreach	<b>Advisory Trajectory Nuclear Energy</b>	2021-2022
	The Dutch Council for the Environment and Infrastructure (Rli), The Hague. Invited contributor to an advisory report for the Dutch Cabinet on nuclear energy.	
	<b>United Nations Young Climate Action Summit</b>	2019
	The Dutch and Belgian delegation to the UN, New York. Selected youth attendee to participate in the summit.	
	<b>Bridging the gap between the nuclear industry and the public</b>	2019
	Lunch talk speaker, URENCO Netherlands	
	<b>Nuclear: facts, feelings, and fantasy</b>	2019
	Speaker at TEDxAUCollege, KIT Royal Institute Amsterdam. Available <a href="#">here</a> . Speaker at European Nuclear Young Generation Forum (ENYGF), Gent.	
Hosting and moderating	<b>Webinars organised by NRG-PALLAS</b>	2021
	LTO perspectives for 60 years and beyond. Available <a href="#">here</a> . Strategies to overcome licensing challenges for new reactors. Available <a href="#">here</a> . Innovations for the nuclear energy business case. Available <a href="#">here</a> . Pallas Reactor Architecture Webinar. Available <a href="#">here</a> . Round table discussion on the potential value of nuclear technology. Available <a href="#">here</a> .	
	<b>Conferences and Events</b>	
	Host of Nuclear Innovation Conference, NRG, NEMO, the Netherlands	2022
	Workshop on Nuclear Communication, IYNC, Russia	2022
	Host of Opening new cascade hall, URENCO Netherlands	2021
	Co-organiser of RICOMET conference, SCK-CEN, Belgium	2016
Languages	Dutch (fluent), English (fluent), French (advanced), Spanish (basic)	