

Dr. Harry Lehmann

Director

PtX Lab Lusatia



Date of Birth: November 30, 1954

Fields of Expertise:

Renewable Energy Technologies, Environmental Policy, System Analysis

Professional Experience

2021-present	Director of PtX Lab Lusatia
2004-2021	General Director; Head of Division, Environmental Planning and Sustainability Strategies, Federal Environment Agency (UBA)
2000-2004	Head of Institute for Sustainable Solutions and Innovations (ISuSI)
1991-2000	Head of Group System Analysis, Wuppertal Institute
1984-1991	Founder & CEO of Engineering Consultancy "UHL Data"
1979-1984	CERN/Geneva, member of UA1 Group of Carlo Rubbia (Nobel Prize 1984)

Special Assignments

2011-present	Chairman, World Council for Renewable Energy
2005-present	Member of "Factor X Club" (since 1992)
	Board Member of World Resources Forum (WRF)
	Member of Steering Committee "Renewable Energy Policy Network for the 21 st Century" (REN21)
2023-present	Member of the Club of Rome

About the PtX Lab Lusatia

The "PtX Labs Lusatia - Practical laboratories for fuels and raw materials from green hydrogen" are developing the technical basis for the market ramp-up of environmentally friendly and sustainable production and utilisation of power-to-X (PtX) products based on green hydrogen. Based in Cottbus (Brandenburg), the competence centres are knowledge platforms, sources of inspiration and points of contact for industry and politics, science and the public.

The PtX Lab Lausitz was founded in Cottbus in March 2021 on behalf of the Federal Ministry for Economic Affairs and Climate Protection (BMWK). It is a division of Zukunft - Umwelt - Gesellschaft (ZUG) gGmbH, a federally owned service company that promotes environmental, nature and climate protection. By locating in Cottbus, it supports the sustainable structural development of the region.

The work of the PtX Labs Lausitz focusses on green hydrogen and its derivatives. Their aim is to lay the foundations for the sustainable, environmentally friendly production and utilisation of Power-to-X (PtX) products and promote the rapid and successful market ramp-up of these products. In doing so, they consider the entire value chain of relevant technologies and industries, their resource efficiency and their integration into the circular economy.

About the Federal Environment Agency (UBA)

The UBA's motto, For our environment ("Für Mensch und Umwelt") sums up our mission pretty well, we feel. As Germany's main environmental protection agency, our task is to ensure that our fellow citizens have a healthy environment with clean air and water, free of pollutants to the greatest extent possible. Here at the UBA, we concern ourselves with an extremely broad spectrum of issues, including waste avoidance, climate protection, and pesticide approvals.

Our work centers around gathering data concerning the state of the environment, investigating the relevant interrelationships and making projections – and then, based on

these findings, providing federal bodies such as the Ministry of the Environment with policy advice. We also provide the general public with information and answer your questions on all of the various issues that we address. Apart from these activities, we implement environmental law by making sure that it is applied in areas such as CO₂ trading and approval processes for chemicals, pharmaceutical drugs and pesticides. Our activities are set down in the law that established our agency.

Our overarching mission is early detection of environmental risks and threats so that we can assess them and find viable solutions for them in a timely manner. We do this by conducting research in our own labs and by outsourcing research to scientific institutions in German and abroad. We are also the German point of contact for numerous international organizations such as WHO.