

## Denmark's Quantum Strategy

### Louise Lund Henneberg

*Ministry of Foreign Affairs of Denmark*

### Biography

Louise is a Senior Advisor at the Danish Ministry of Foreign Affairs and team leader of the International Quantum Hub within the department for Techplomacy. The hub was established as part of Denmark's national strategy on quantum and focuses on the country's strategic international quantum partnerships. Louise and her team work to strengthen Denmark's bilateral, regional and multilateral engagement on quantum.

Before commencing this role, Louise was posted at the Permanent Representation of Denmark to the European Union where she served as a Danish delegate to EU Council working groups which covered cyber-diplomacy, hybrid threats and new technologies.

She joined the Ministry of Foreign Affairs of Denmark as a diplomat in 2017 and has worked on a number of policy areas including security and defense policy cooperation as well as humanitarian affairs.

Louise holds both a Master's degree and a Bachelor's degree in political science from Aarhus University. In 2015 she was a visiting graduate student at Columbia University's School of International and Public Affairs.

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### Abstract

In a world full of unpredictability, crises and confrontation, technology can and must be a part of the solution. Quantum technology of the future will be able to perform calculations and measurements that are impossible with today's technology and it has the potential of delivering solutions to some

of today's global challenges.

Denmark aims to have one of the world's leading quantum research environments and to have the ability to effectively translate research into new, usable technology.

Since Niels Bohr's pioneering research, which laid the foundation for our understanding of quantum mechanics, some very strong research environments within quantum have been established in Denmark. Denmark remains at the forefront of quantum technology research and enjoys widespread international recognition. This presents a unique opportunity to unlock the immense potential of quantum technologies, not only in the realm of research but also in translating this knowledge into solutions that can benefit society, businesses, and national security, ultimately improving the lives of individuals worldwide.

In her intervention, Danish MFA Quantum Team Lead, Louise Lund Henneberg, will present the Danish national quantum strategy and the unique Danish ecosystem as well as the inherent international outlook that underpins Danish quantum policy.