

The Swedish Energy Agency Swedish-German Cleantech Platform

November 2020



Tysk-Svenska Handelskammaren
Deutsch-Schwedische Handelskammer



**Swedish
Energy Agency**



Energy targets for Sweden

Sustainability -Three pillars:

Environment



Economy



Socially



Ecology

Competitiveness

Security of supply

- No net emissions of greenhouse gases to 2045
- 70 per cent less emissions from transports 2030 compared with 2010
- 100 per cent renewable electricity to 2040
- 50 per cent more efficient use of energy in 2030, compared with 2005

Sweden today

- Almost fossil-free electricity production
- Almost fossil-free heat production
 - Waste to Energy and Bioenergy
- Low CO2 emissions per capita
- Decoupled economic growth from greenhouse gas emissions
- In the energy intensive industry - energy use per value has decreased

How did we get there?

- Market-based and general instruments:
 - Energy tax on electricity and fuels
 - CO2 taxation
 - Green certificate system for renewable energy
 - Dissemination of information
 - Research and innovation
 - Dedicated programs and support schemes

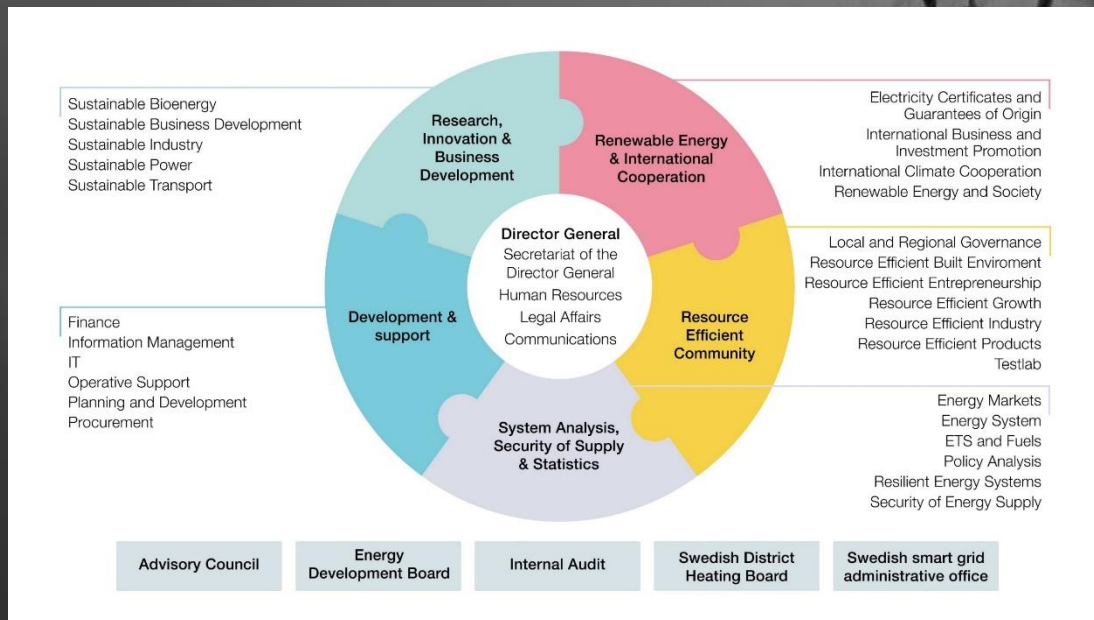
SWEDEN
IS THE EU'S INNOVATION LEADER



The importance of sharing our experiences internationally, through collaborations, partnerships and export of innovations

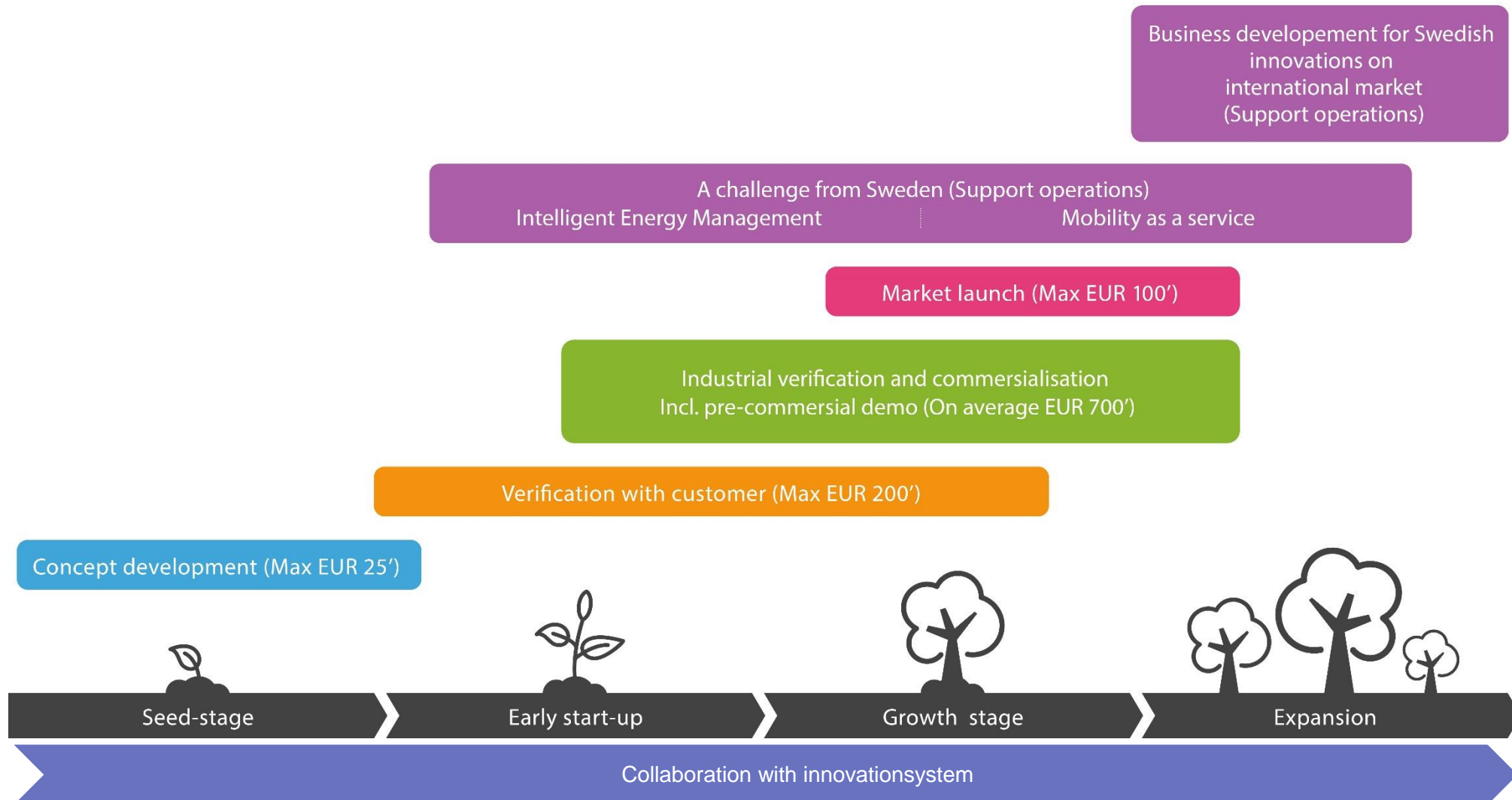
- The Swedish innovations must be spread worldwide to come into use

- Roles - steering, supporting, expert
- Sweden's largest research financier in the area of green energy. Annual budget approx.150 million €, doubled through industrial co-funding
- Supporting innovations in cleantech – from research to internationalisation
- Start up portfolio of 200 companies, in addition to the mature SME:s we support
- Spreading innovations worldwide – incl. accelerator program for SMEs in Germany



The Swedish Energy Agency – working for a sustainable energy system

The Swedish Energy Agency's close-to-the-market support programs for innovations



200

Companies in the SEA start-up
portfolio. Total Govt investment
90 M Euro

The SEA Start-up
18.5 Portfolio and the
19.4

transfer to a
sustainable energy
system

Billions is the total stock
exchange value of the top 23 of
these companies.

145 innovations have the
potential to save more than
18,5 times the total of
Sweden's GHG emissions

Sweden accounts for 0.1 percent of the global
greenhouse gas emissions. But we intend to contribute
to a much larger part of the climate solutions.

Swedish Energy Pavilion

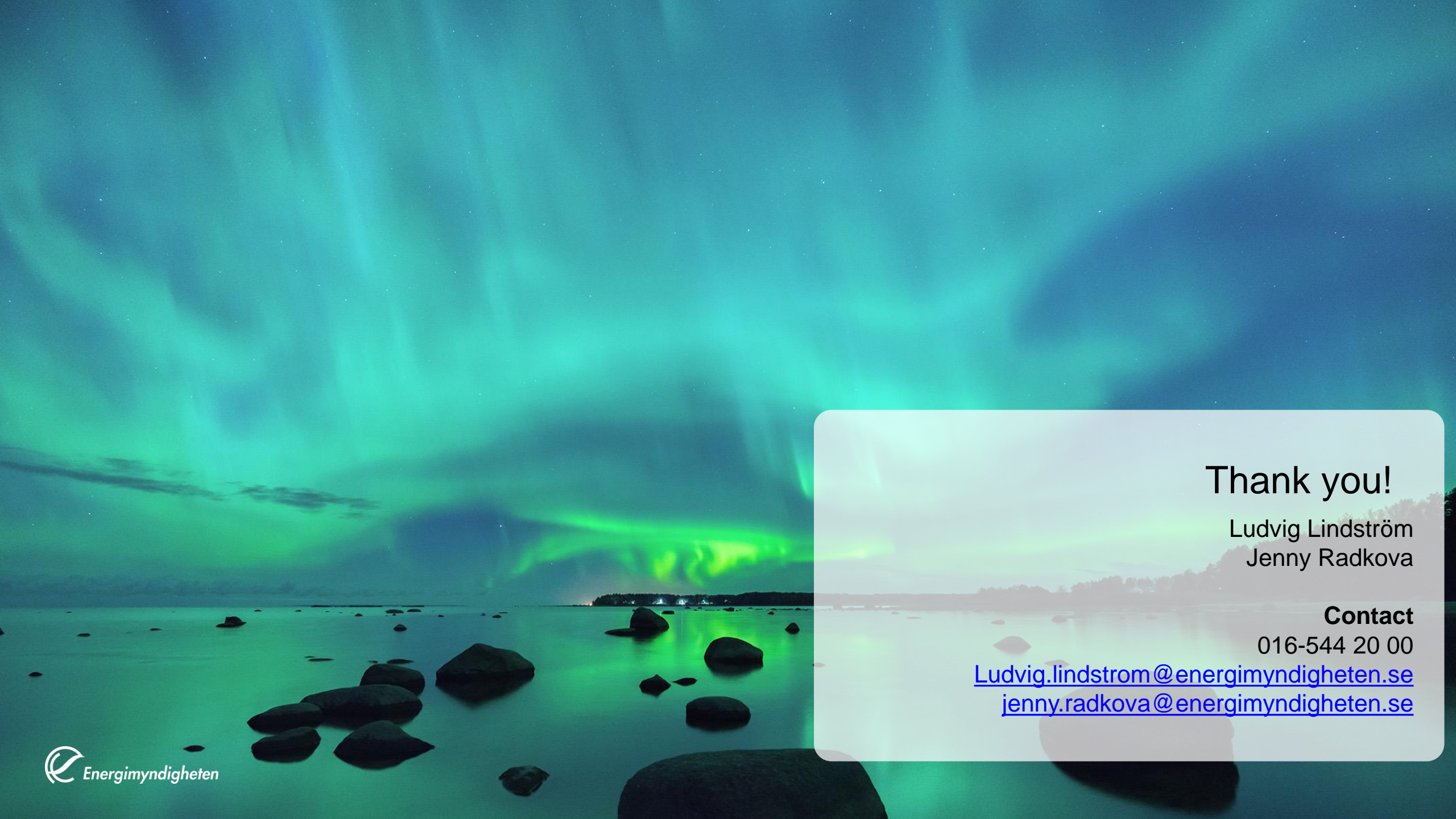
Hannover Messe April, 2021



- Energy booth, 120m2
- Place for individual meetings, storage, information desk
- 15 exhibiting companies showcasing innovative green solutions
- Energy Hall 27, close to "Integrated Energy Plaza"
- Activities both inside and outside of the booth
- Focus on the SDGs in design and topics



HKH Prins Carl Philip visiting the Swedish Energy Pavilion 2019

A photograph of the Aurora Borealis (Northern Lights) over a calm lake at night. The sky is filled with vibrant green and blue light curtains. The water reflects the lights, and several dark, smooth rocks are scattered in the foreground.

Thank you!

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