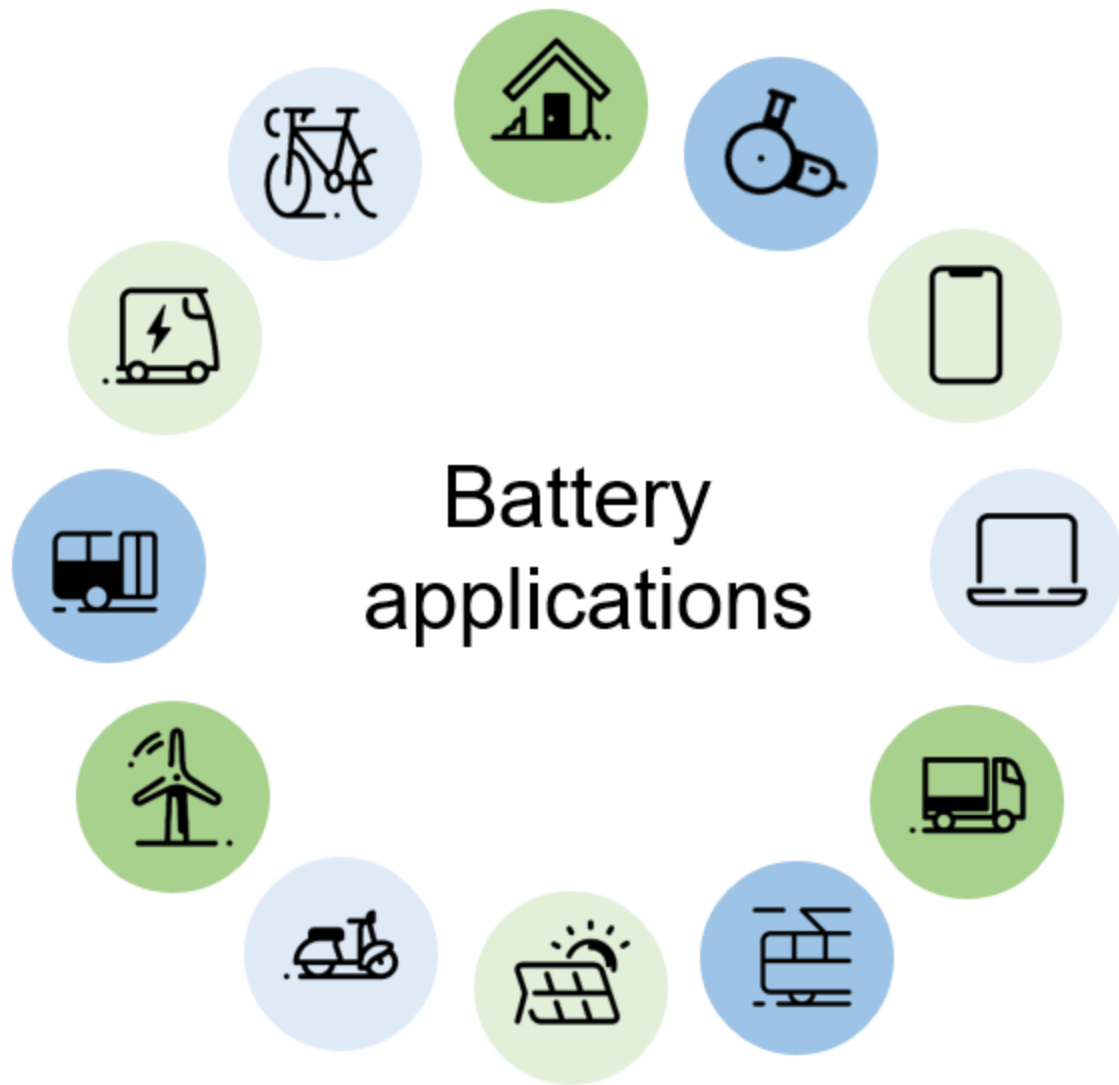


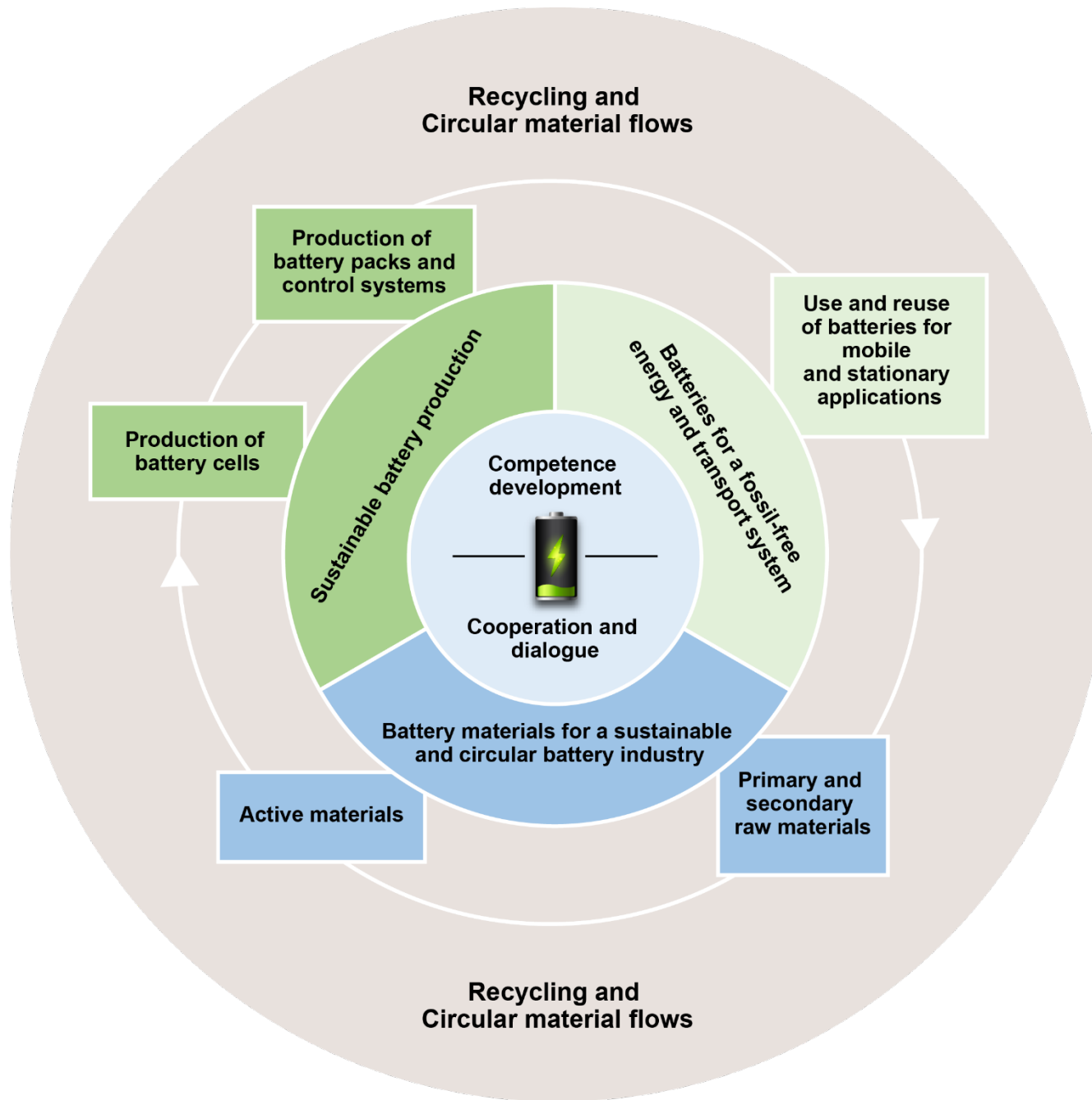
Svemins miljökonferens 2020

Government agencies cooperate regarding Sweden's part of a sustainable European battery value chain

Uwe Fortkamp & Erika Ingvald

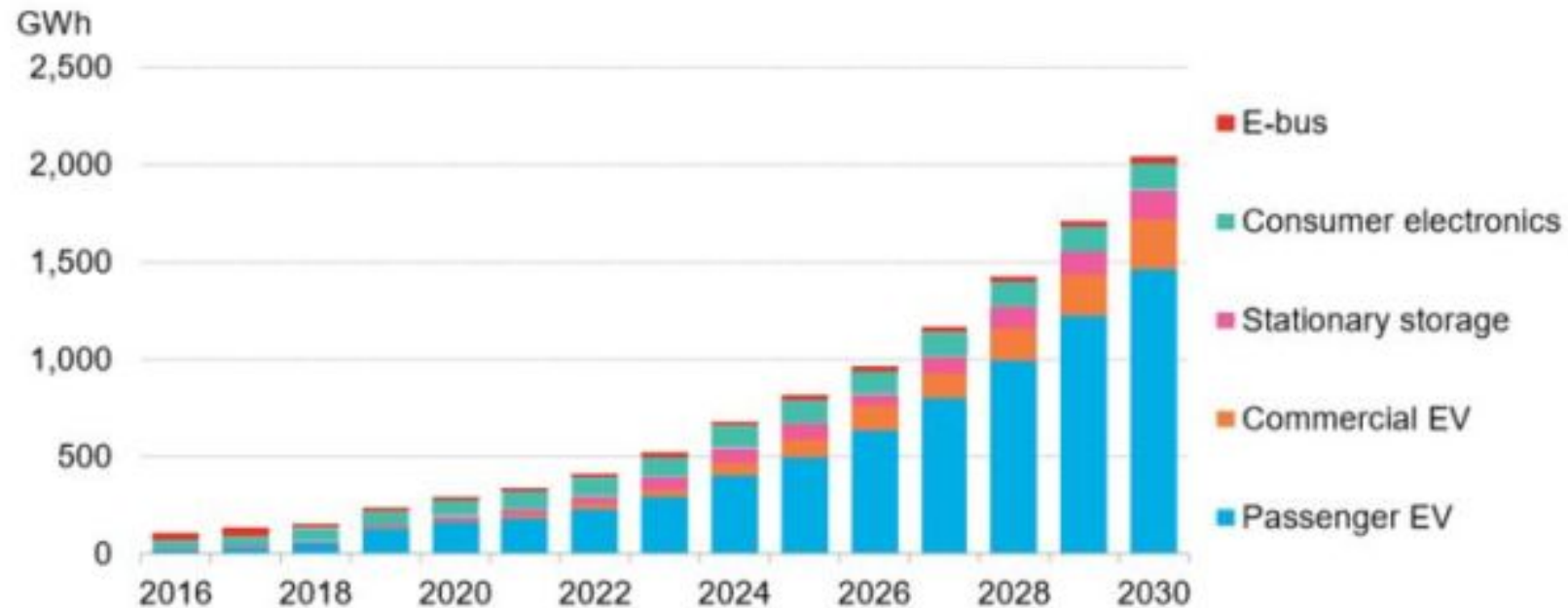






Expected demand for batteries 2016 - 2030 by application (GWh)

We expect 2TWh of annual battery demand by the end of the decade



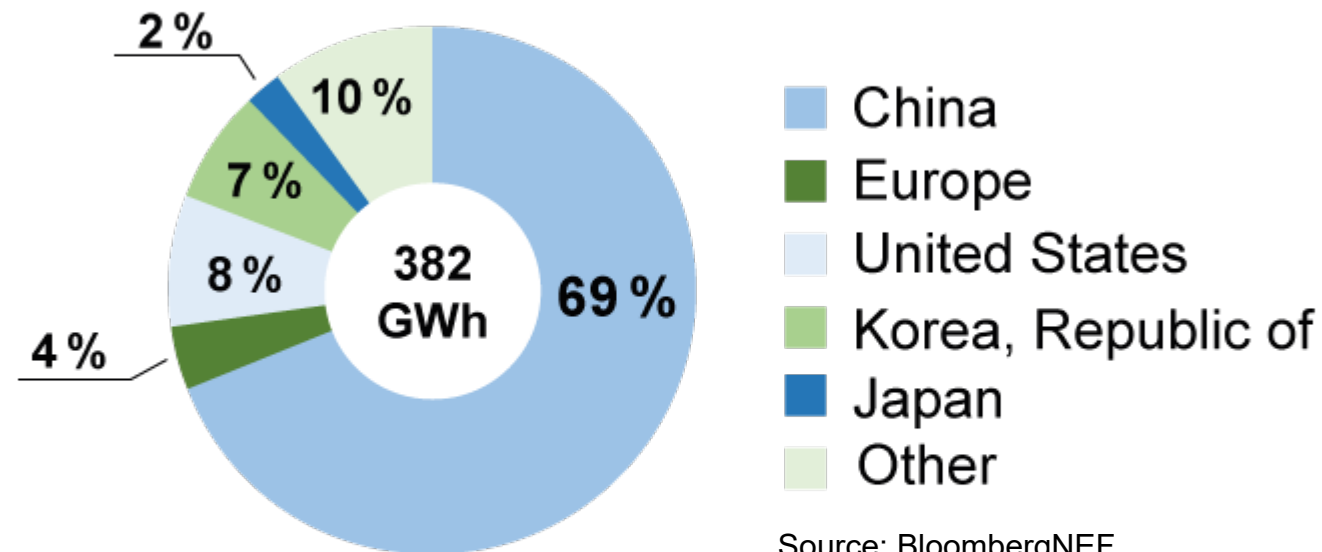
Source: Bloomberg NEF, Avicenne

https://news.bloomberglaw.com/environment-and-energy/a-battery-maker-sees-virus-as-spur-to-wrest-business-from-china?utm_source=rss&utm_medium=NEVE&utm_campaign=00000171-ac34-deda-a579-fe7cca8c0000

Battery manufacturing capacity by country/region

69 % of the world's battery cell manufacturing capacity is in China

Commissioned manufacturing capacity, January 2020



The assignment contributes to many goals

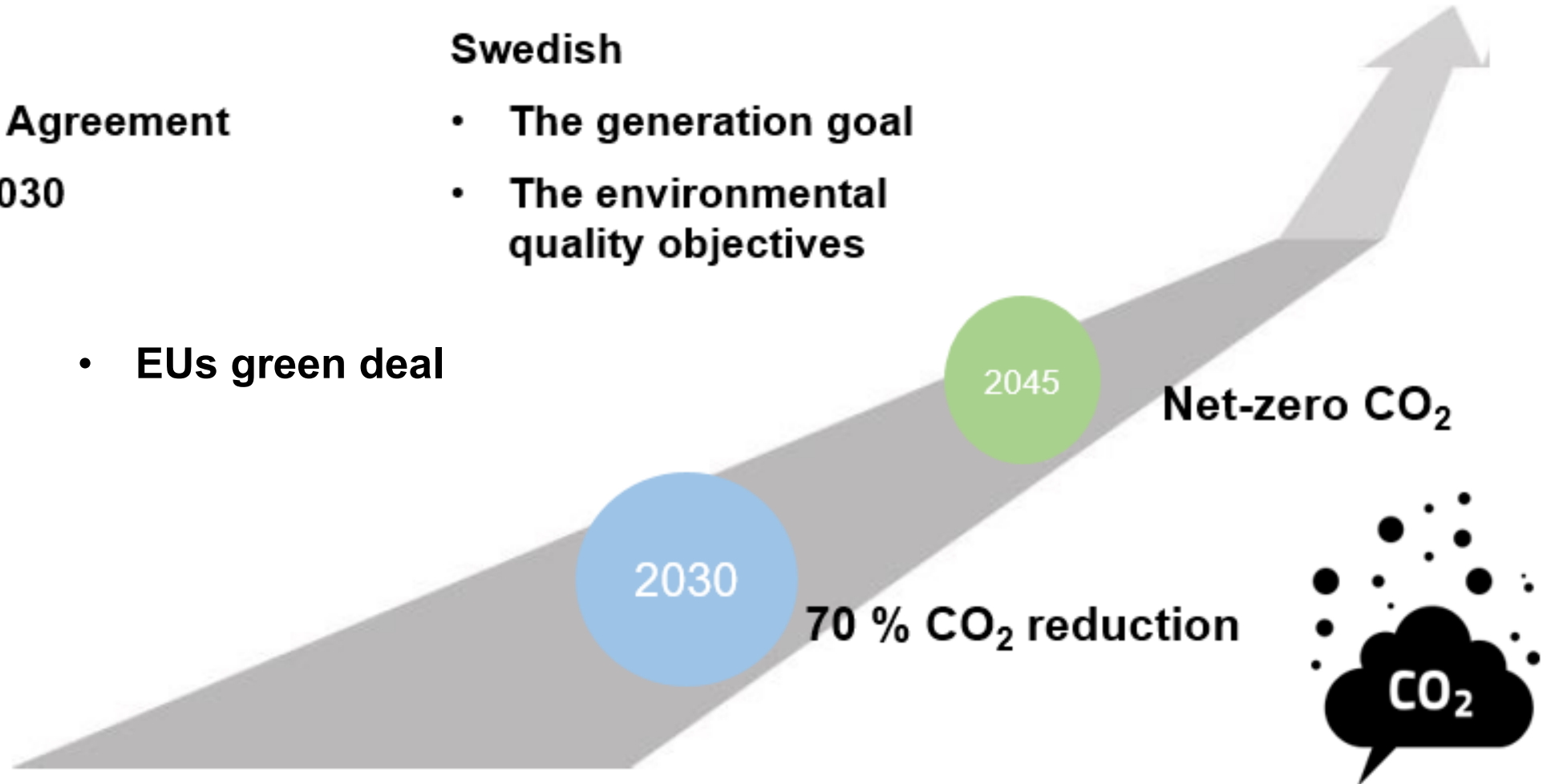
International

- The Paris Agreement
- Agenda 2030

Swedish

- The generation goal
- The environmental quality objectives

- EUs green deal



The assignment will develop cooperation between authorities to support the development of operations in Sweden that can form part of a sustainable and competitive value chain for batteries in the EU



- The assignment includes assessing if other authorities are concerned and, if relevant, involving them in the work.
- The assignment will contribute to Sweden's work related to ongoing EU initiatives and, if necessary, collaborate on other international processes of major importance for development in the field.
- Collaboration shall include regulatory frameworks and research, development, demonstration and innovation work, including dialogue with relevant research funders in order to make better use of synergies in actions.

Within the framework of the assignment, the authorities shall:

- **follow developments** in the expected need for sustainable batteries
- **analyse** whether there are any **unjustified obstacles** to the establishment of Sweden's parts of a sustainable European value chain
- **contribute** to the transition to a **circular economy**
- **assess** the need to clarify **priorities for actions**



Within the framework of the assignment, the authorities shall:

- **analyse the battery strategy** developed within the initiative 'Fossil-free Sweden'
- **implement the bilateral innovation partnerships** with France and Germany
- **develop international collaboration** that is important to support the development of operations in Sweden that can form part of a sustainable and competitive value chain for batteries in the EU.



Thankyou!

