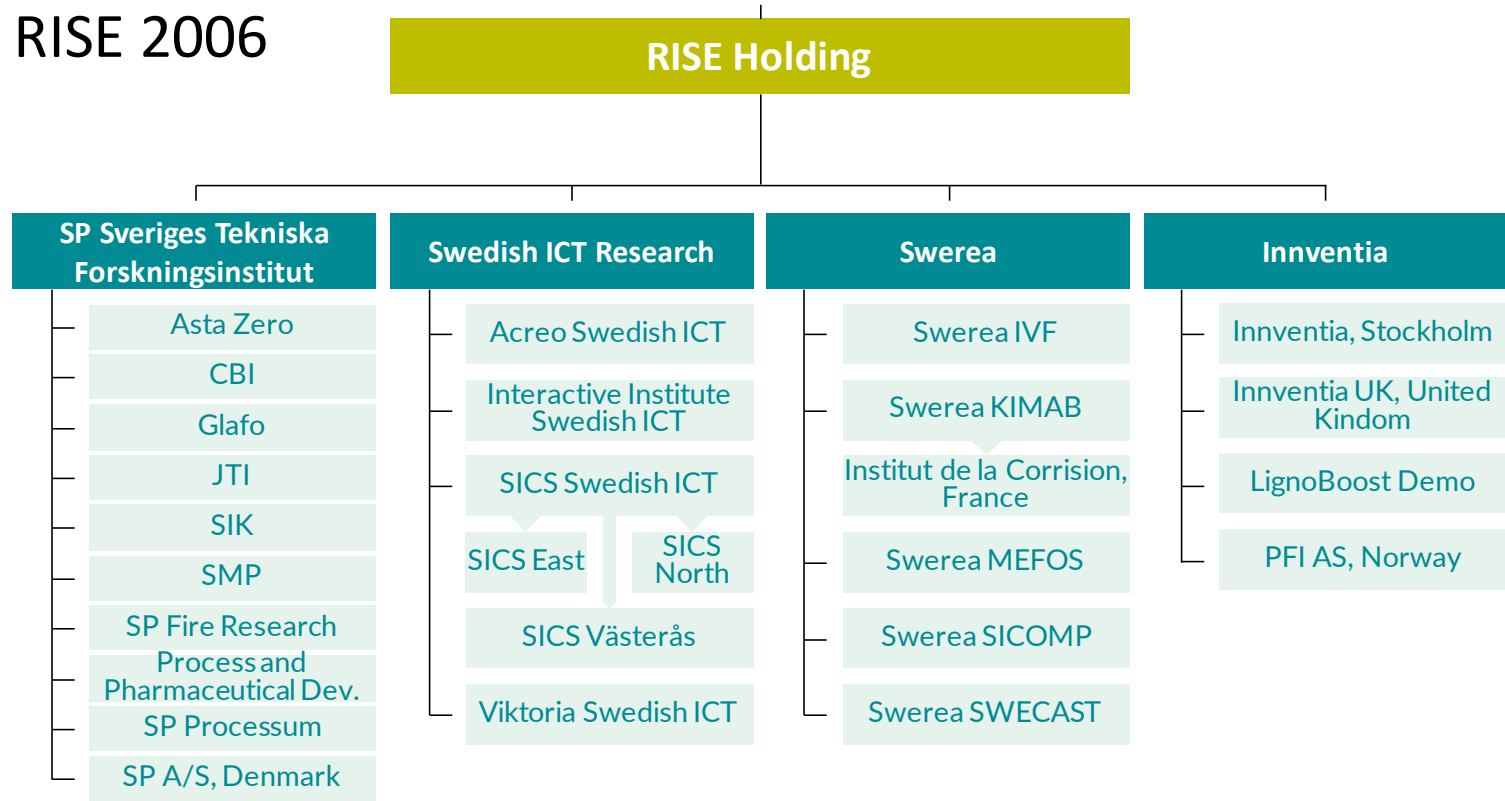# RISE – a technical research institute with many facets…

Pia Wågberg
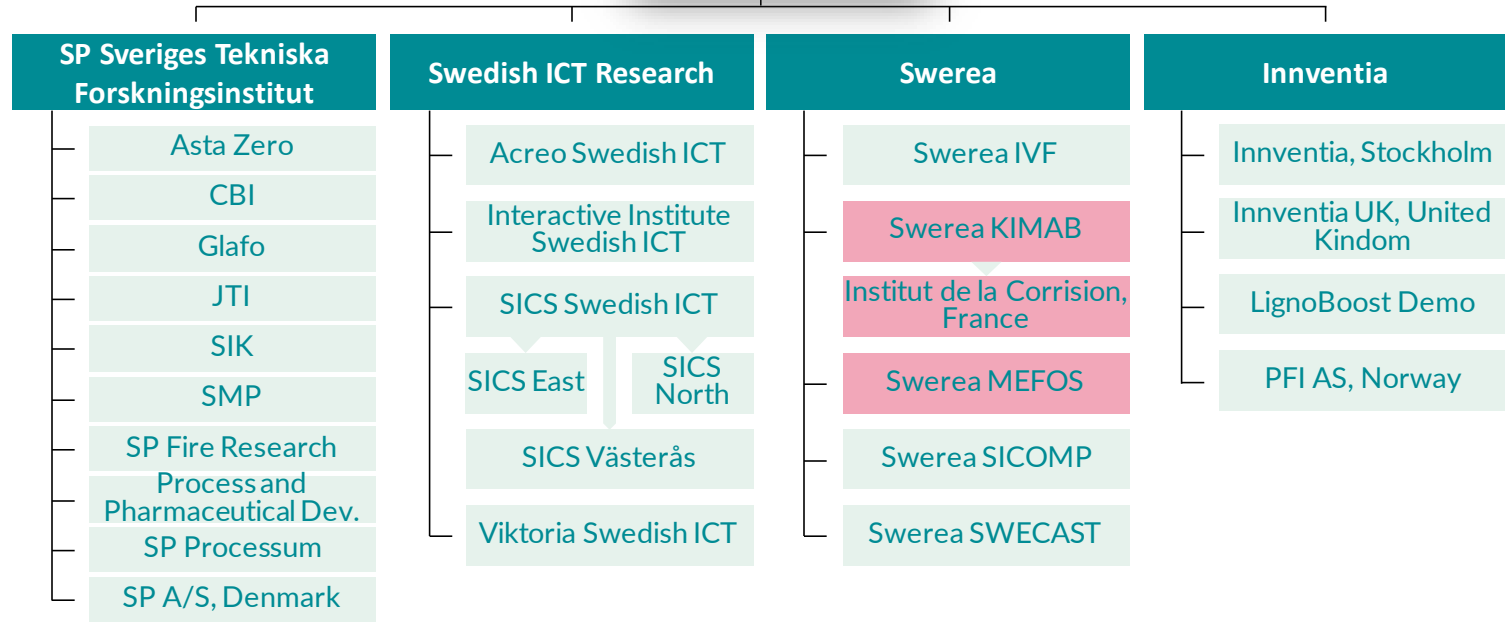Innovation Pioneer Tank meet #46, Lund

RISE 2006
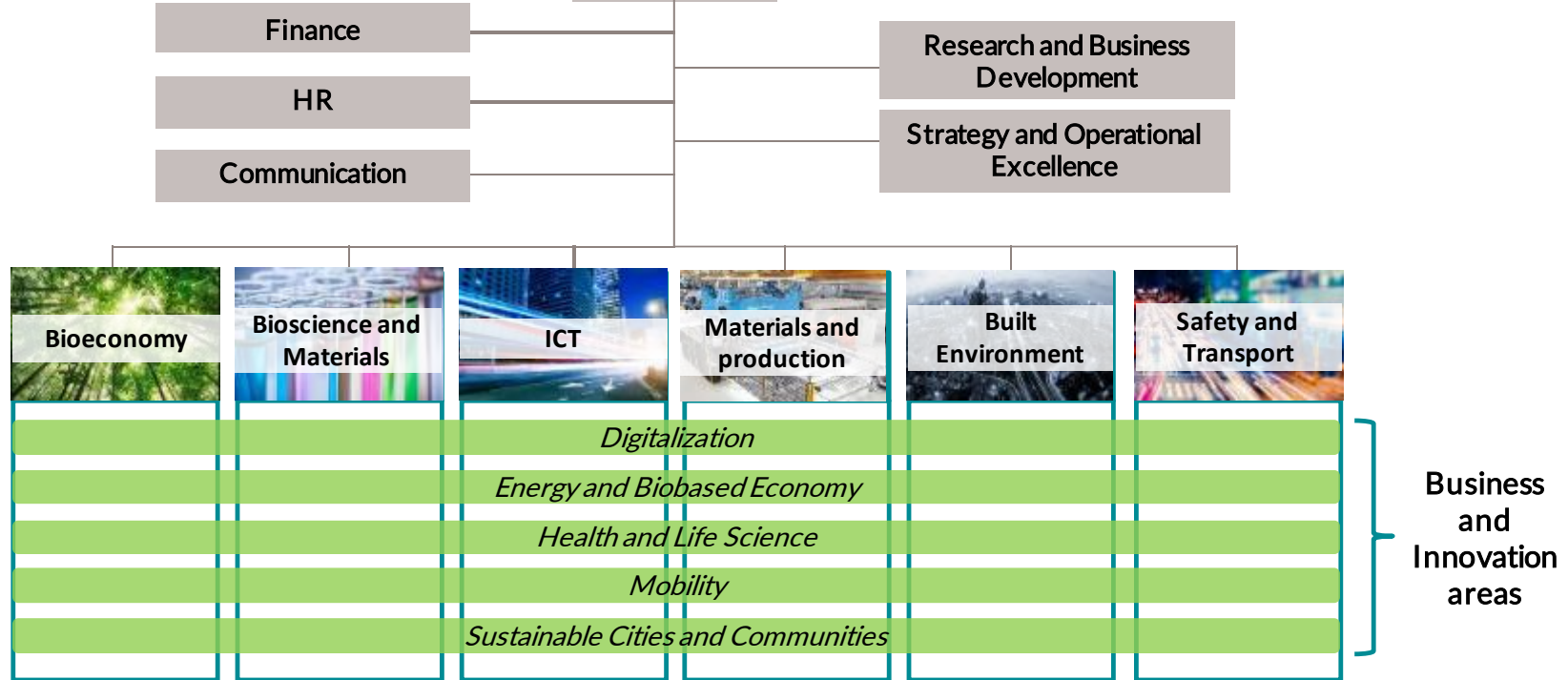
RISE Holding

SP Sveriges Tekniska Forskningsinstitut	Swedish ICT Research	Swerea	Innventia
Asta Zero	Acreo Swedish ICT	Swerea IVF	Innventia, Stockholm
CBI	Interactive Institute Swedish ICT	Swerea KIMAB	Innventia UK, United Kindom
Glafo	SICS Swedish ICT	Institut de la Corrision, France	LignoBoost Demo
JTI	SICS East / SICS North	Swerea MEFOS	PFI AS, Norway
SIK	SICS Västerås	Swerea SICOMP	
SMP	Viktoria Swedish ICT	Swerea SWECAST	
SP Fire Research			
Process and Pharmaceutical Dev.			
SP Processum			
SP A/S, Denmark			

RISE 2006

RI.SE

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SP Processum			
SP A/S, Denmark			

RISE organisation Today

The governments assignment for RISE:

" RISE's mission is to work for _sustainable growth_ in Sweden by strengthening the competitiveness and capacity for _renewal of Swedish industry_, as well as promoting the innovative development of society as a whole."

Forskningsproposition 2016/17:50

RISE in brief today:

➢ Present across Sweden and beyond

➢ 2,800 employees, 30 % with a PhD

➢ Turnover ~3 billion SEK (2018)

➢ SME clients account for ~30 %

➢ RISE is owner and partner in >60 % of all Sweden's Test&Demo facilities
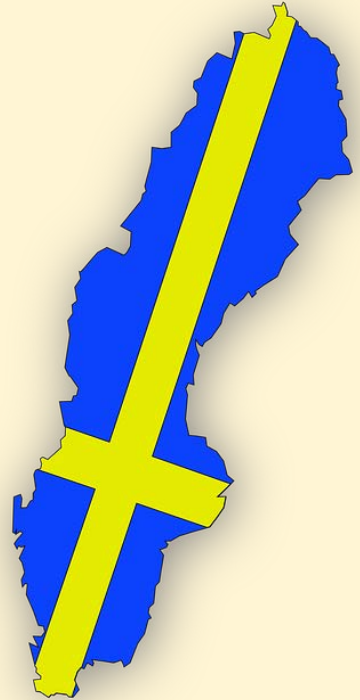
RISE has **competences and unique expertise** in many areas

Bioeconomy

Fire and safety

Cement and concrete

Certification

Circular economy

Design

Electronics

Energy and fuels

Packaging

Glass

Health and Care

ICT and telecoms

Agriculture and food

Chemistry, materials and surfaces

Life Science

Maritime

Mechanical engineering

Mechanics

Metrology and measurement technology

Paper and Pulp

Process development

Built environment

Safety

Mobility

Wood

Water

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Complex challenges require cross-boundary solutions

Environmental impact and resource extraction

Climate change

Urbanisation

Risk and security

Globalisation

Digitalisation

Changing demographics

Coming challenges for private and public sectors

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RISE presence in Lund

- **About 90 people from 5 of 6 divisions represented →**
  - *Built Environment (37)*
  - *Safety and Transport (18)*
  - *ICT (12)*
  - *Bioscience and Materials (19)*
  - *Bioeconomy (1)*
- **Informal and quick connections between different parts of RISE...**
- **Also good conncetions with:**
  - *Universities – LU, MaU, SLU, HKR, WMU*
  - *Research infrastructures*
  - *Industry*
  - *The region; innovation strategy and cluster*
  - *Other actors in the innovation ecosystem*
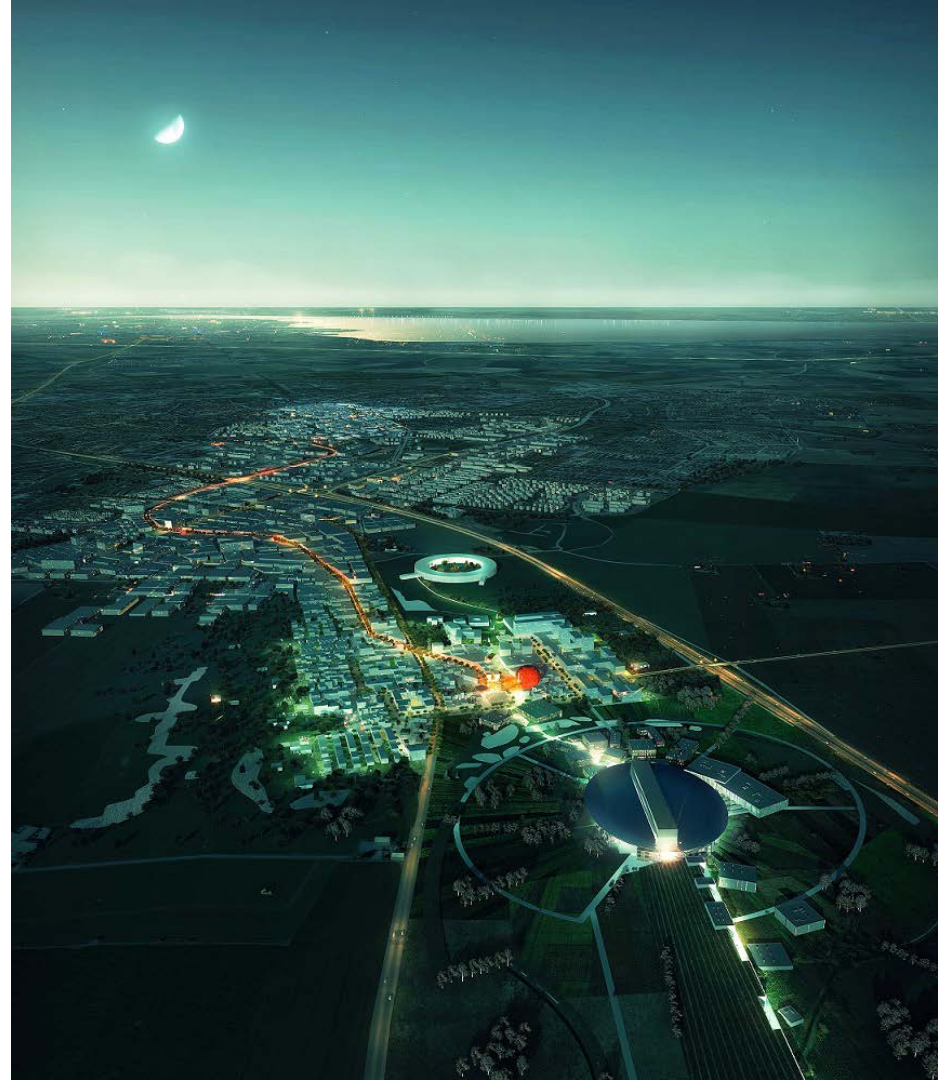
What?

- <u>MAX IV</u> is the world's brightest synchrotron light lab
- World class research in:
  - Materials science
  - Structural biology
  - Chemistry
  - Nanotechnology

- <u>ESS</u> is a unique material research facility based on the world's most powerful neutron source
- *Material research*, from plastic and proteins to medicines and batteries, to understand how they are structured and work.

MAX IV och ESS

RISE task?

- The focus of the RISE initiative is to make <u>MAX IV</u> and <u>ESS</u> available to the industry by integrating X-ray and neutron technologies into the RISE toolbox
- Applied research

SE

Pia Wågberg

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076-876 73 10

RI.
SE

Digitalization – focus areas

The connected individual

Public company

Industrial applications

RISE's internal digitalisation

Connected cities

E-Health

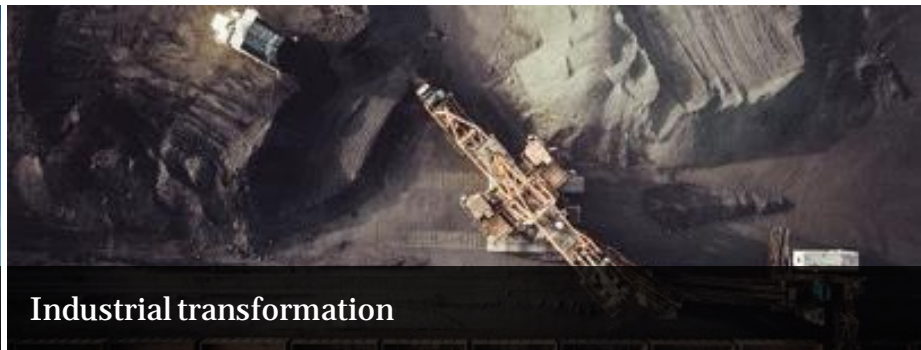# **Energy and biobased economy** – focus areas

Fossil-free transportation

Circular transformation

Future energy systems

Industrial transformation

Health and Life Science – focus areas
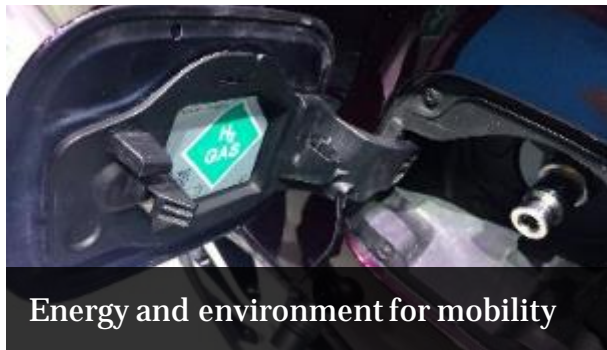
Prevention

E-Health

New therapies

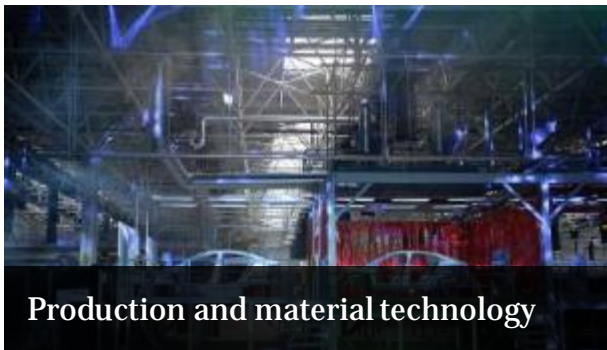Infection Control

Mobility – focus areas

Transport systems

Energy and environment for mobility

Transport automation and safety

Production and material technology

ICT for mobility

Urban mobility

Sustainable cities and communities– focus areas

Vibrant, sustainable districts

Resilient cities and communities

Cities and societies undergoing change

Integrated infrastructure

Connected cities

Urban mobility