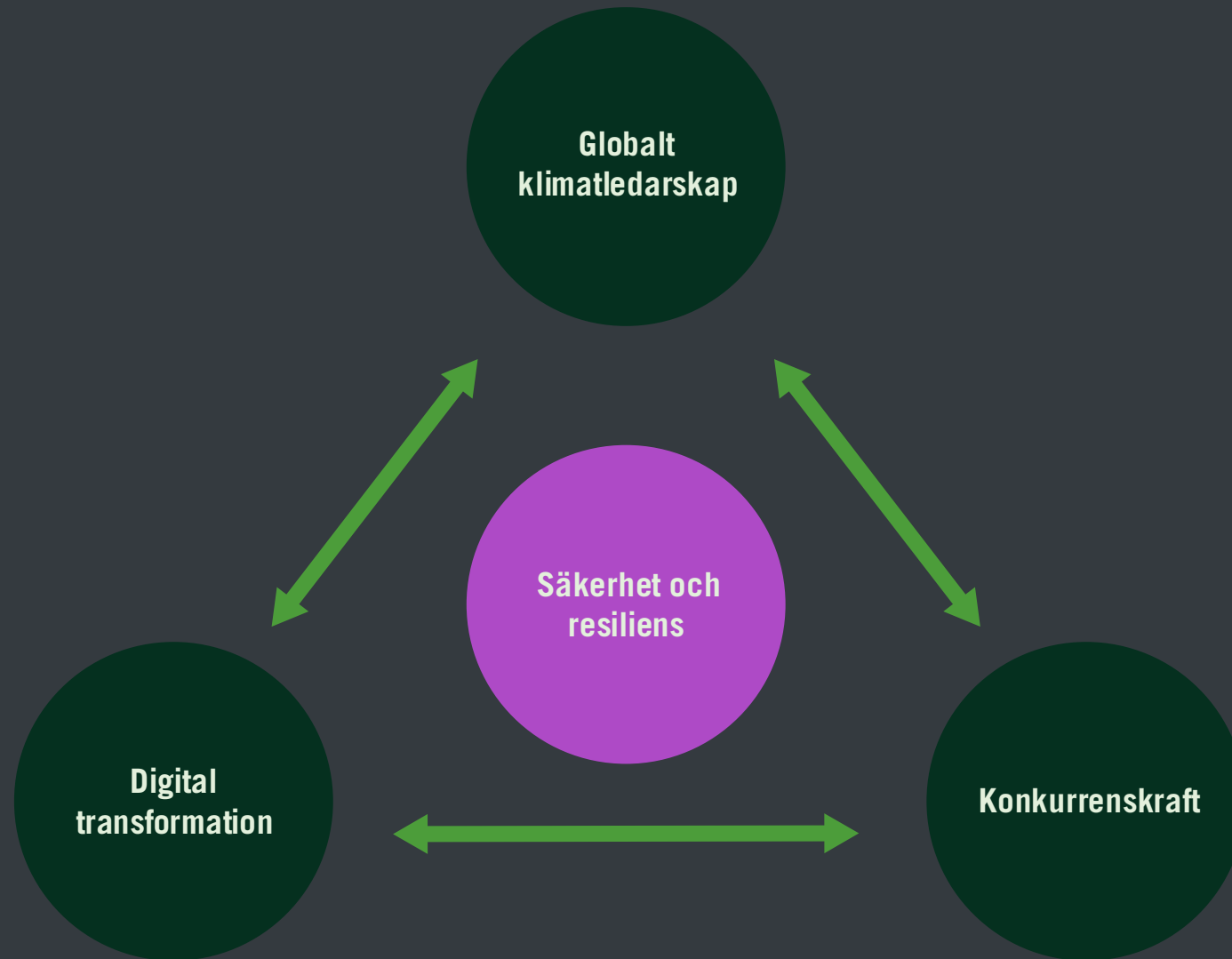


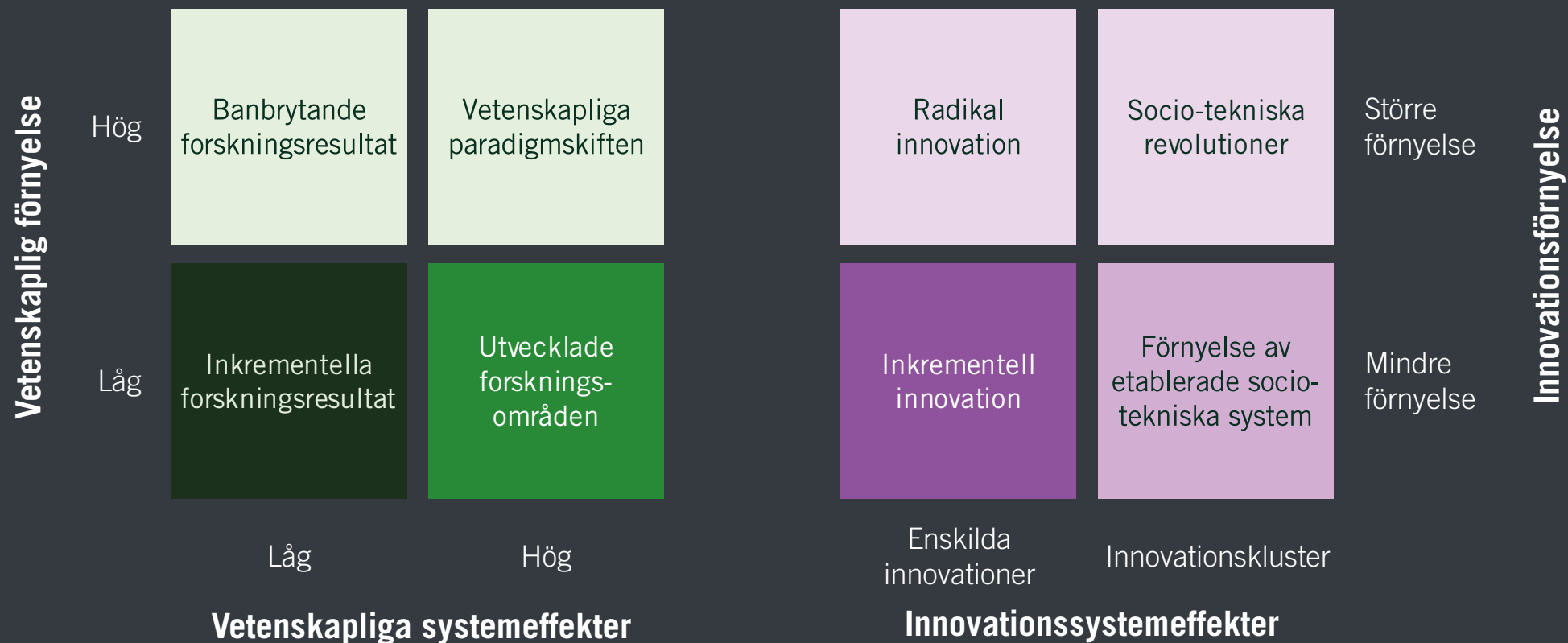
# Sverige i internationellt perspektiv

Göran Marklund, Vinnova

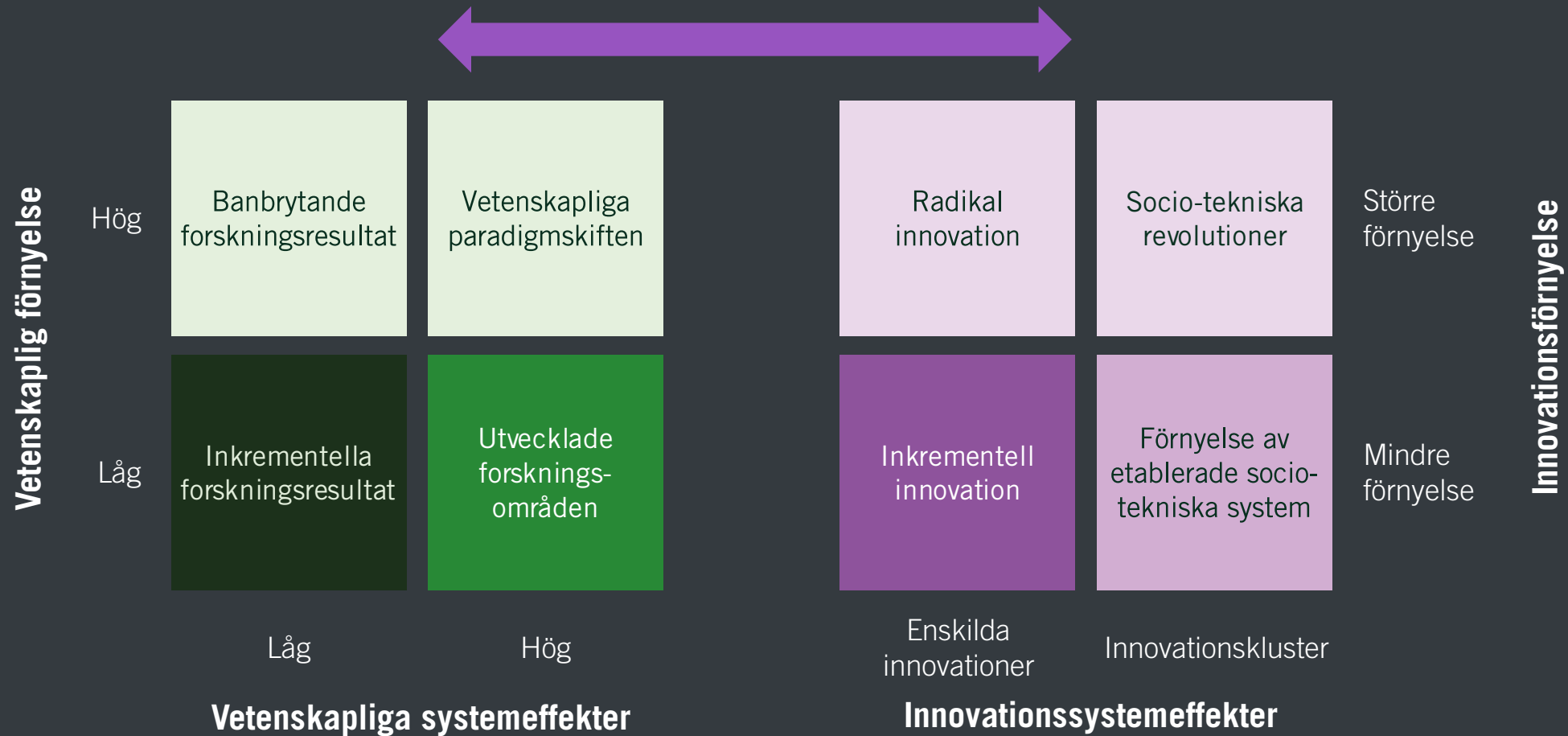
# Strategiska agendor och marknadskrafter



# Banbrytande teknik – flera dimensioner

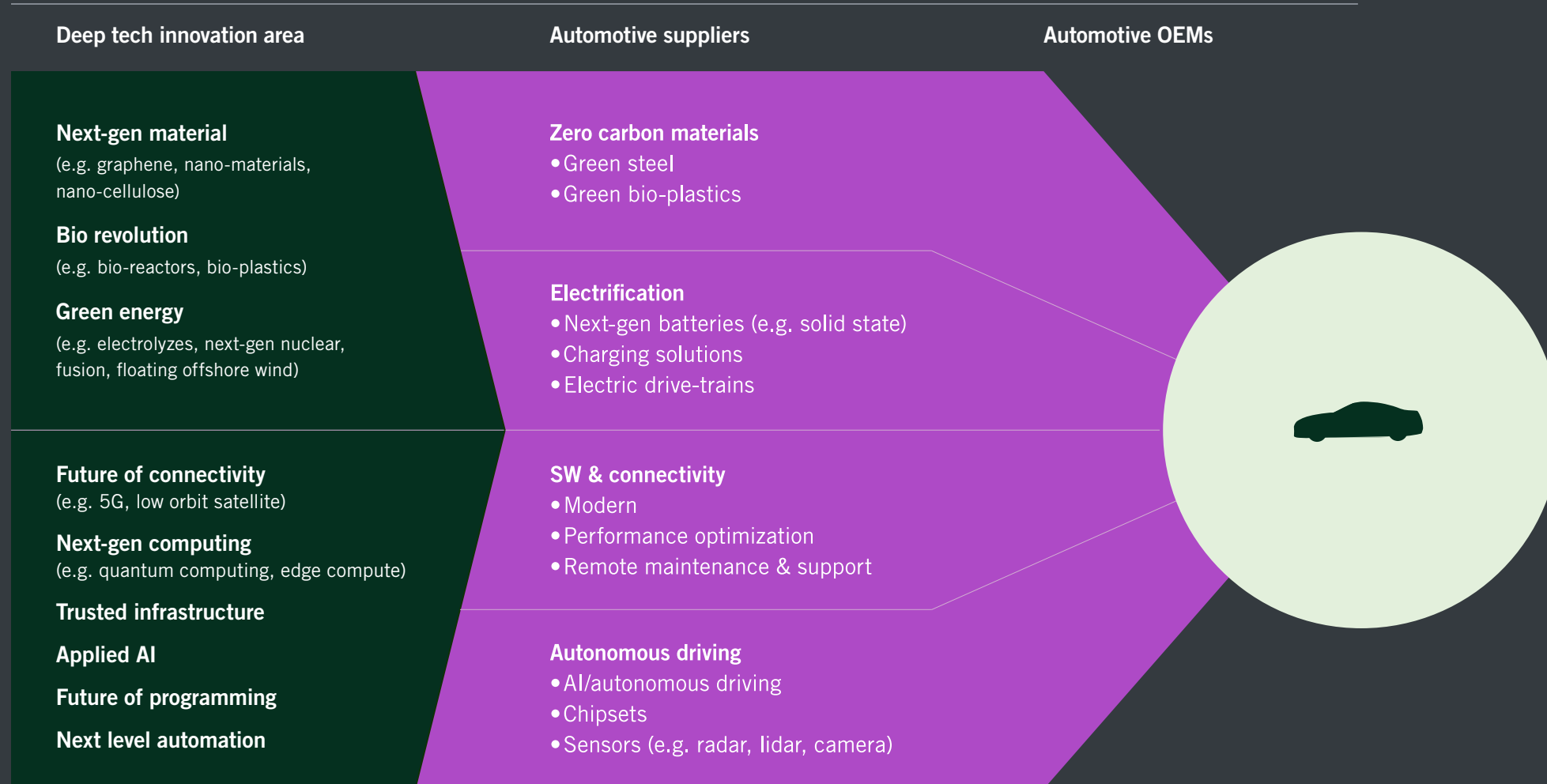


# Acceleration av banbrytande teknik



# Banbrytande teknik och innovation

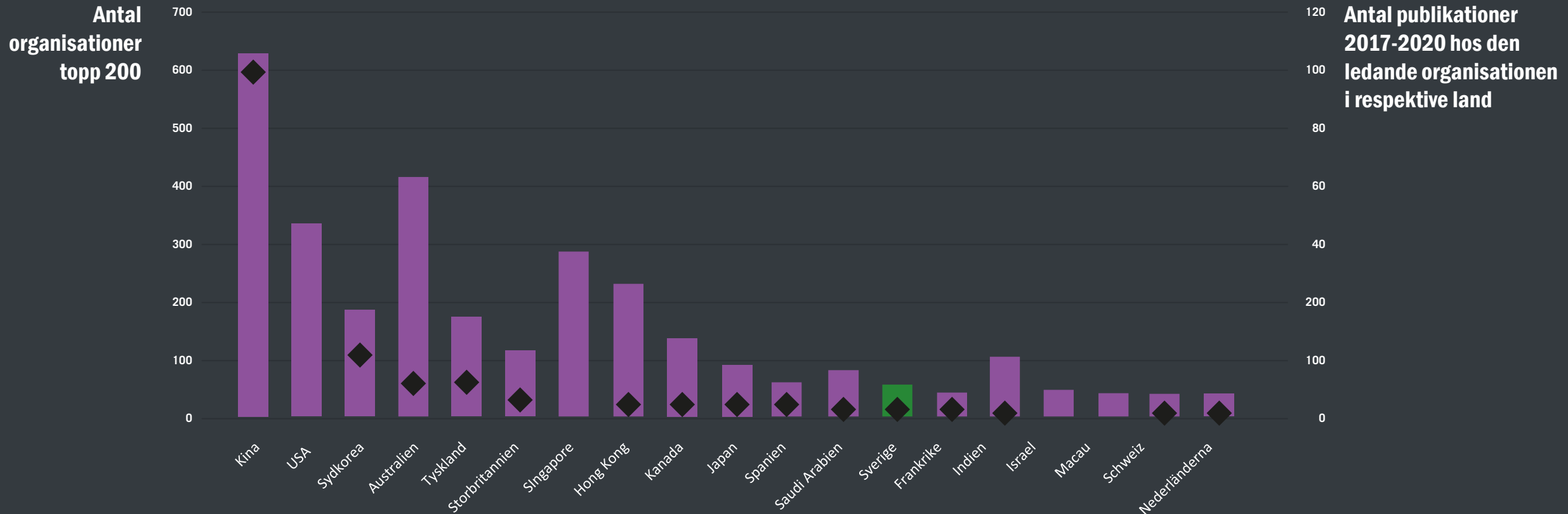
**Automotive:** Deep tech/industrial co-creation critical



# Batterier och superkondensatorer

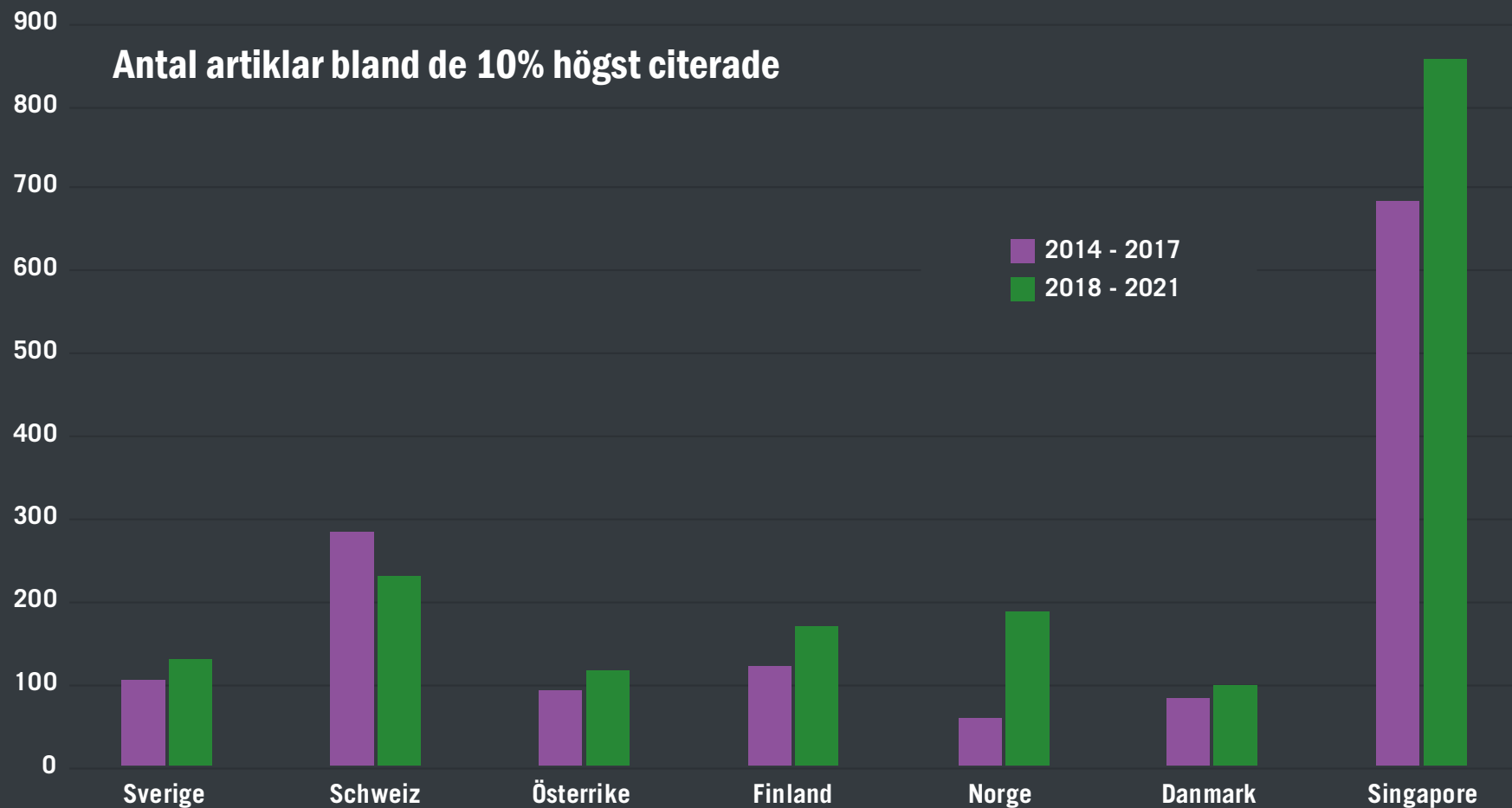
## Topp 10% mest citerade artiklar i ledande forskningsorganisationer i olika länder

Preliminärt resultat från BibCap, ett samarbetsprojekt mellan KTH Och Vinnova. Grunddata från Clarivate Web of Science.



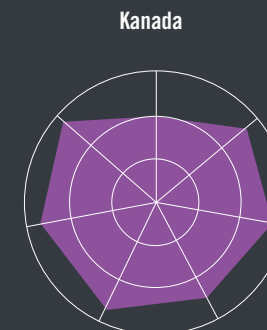
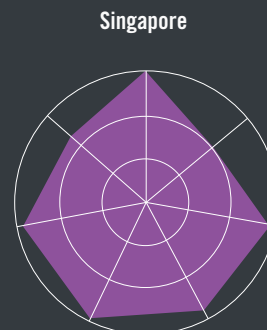
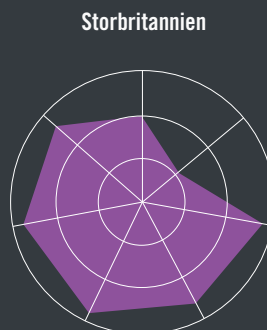
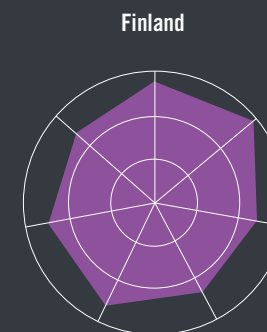
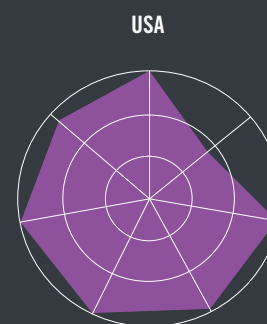
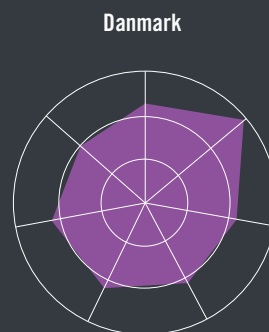
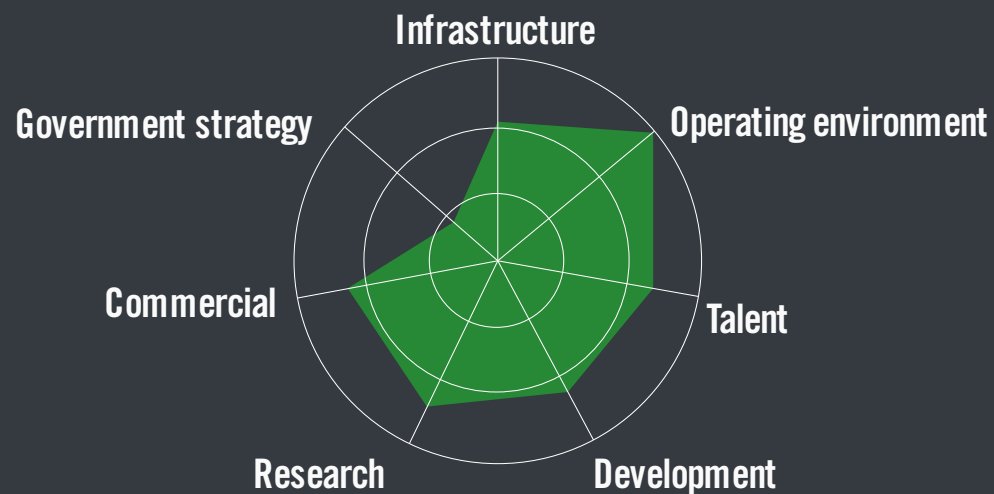
# Sveriges position inom AI?

Preliminärt resultat från BibCap, ett samarbetsprojekt mellan KTH Och Vinnova.  
Grunddata från Clarivate Web of Science.



# Sveriges position inom AI?

The Global AI Index - Tortoise (tortoisemedia.com) 2023



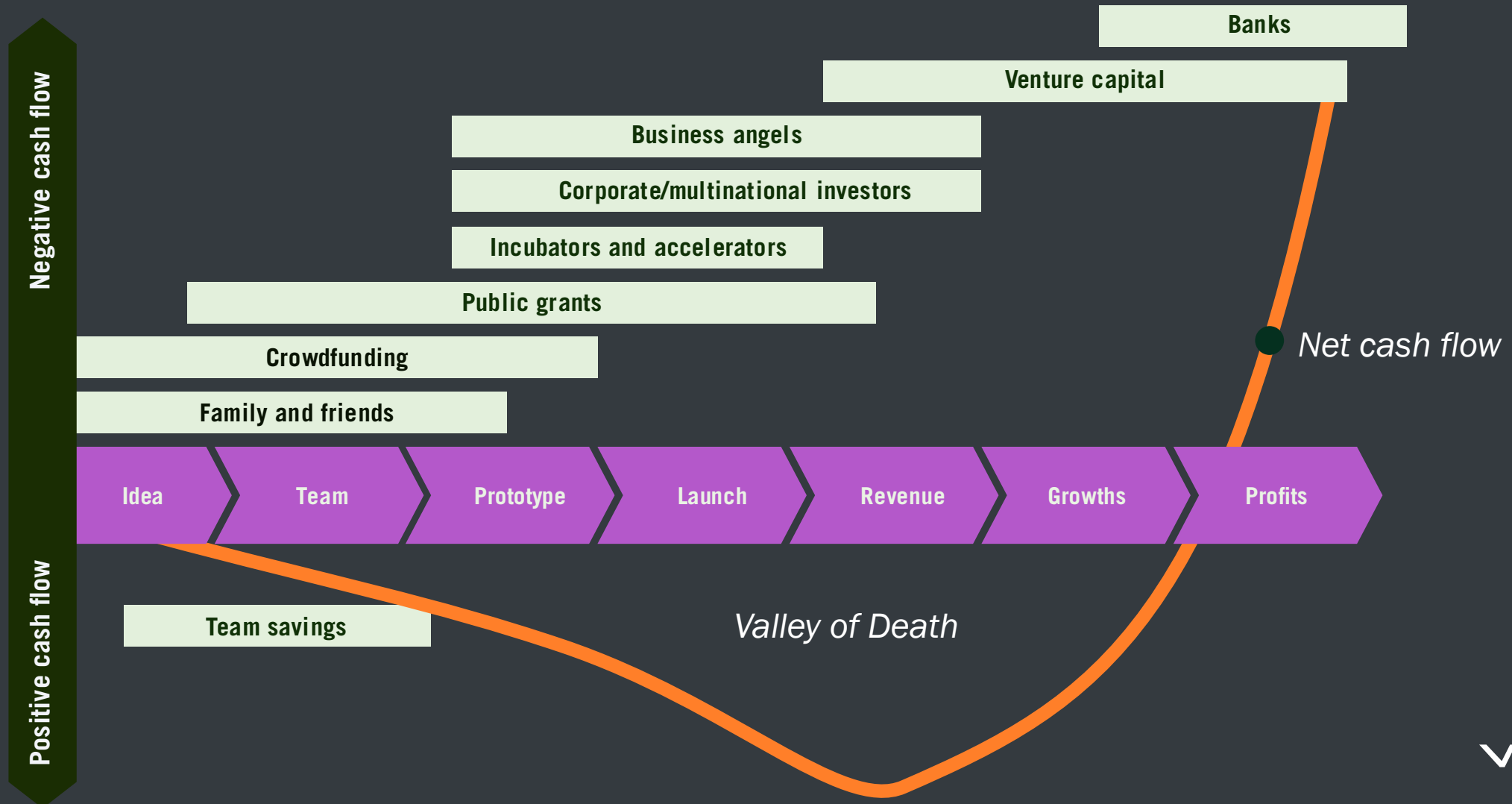


# Avancerad teknikinfrastruktur



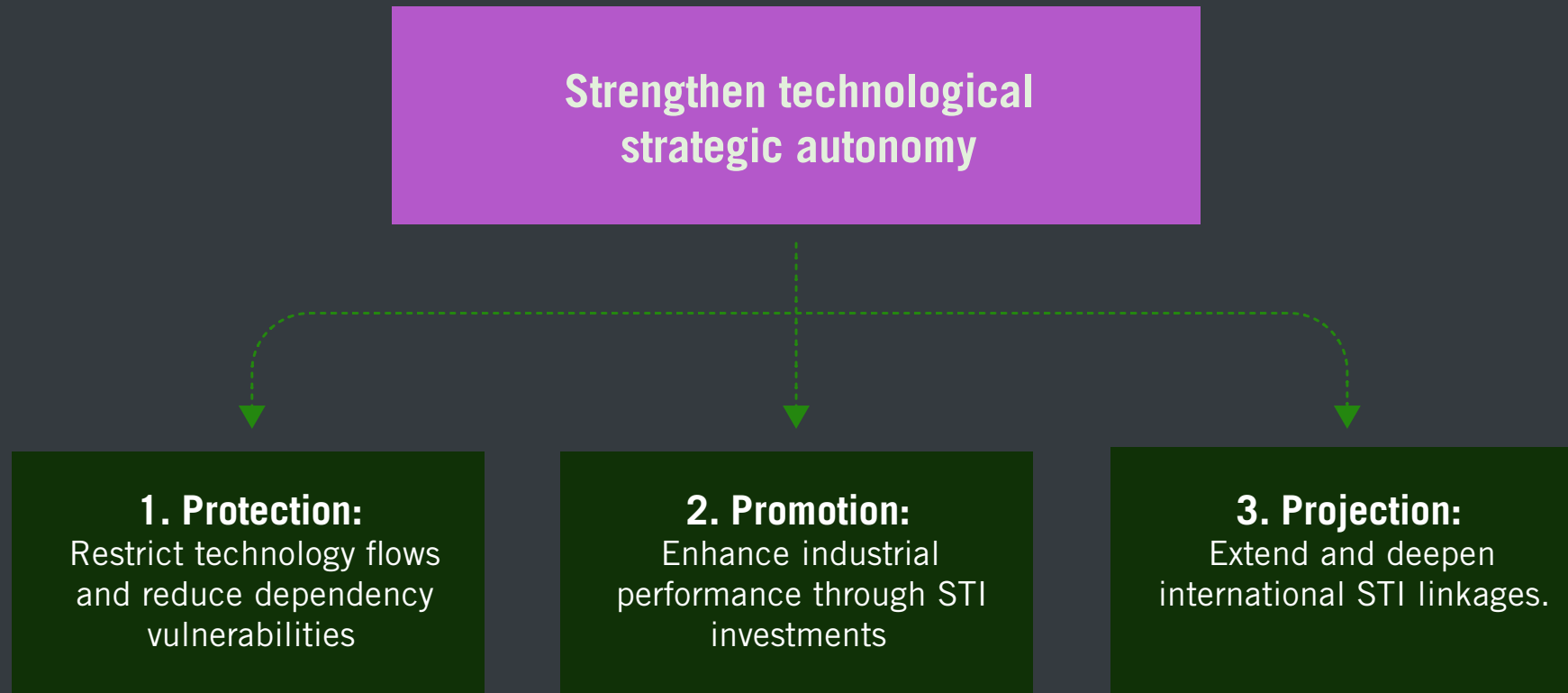
# Deep Tech – Valley of Death

Anpassad figur baserad på Nielsen, Startup Funding Book



# Nationella teknikstrategier

OECD Science, Technology and Innovation Outlook 2023



# USA – Chips and Science Act

## List of societal, national, and geopolitical challenges

National security

Manufacturing and industrial productivity

Climate change and environmental sustainability

Workforce development and skills gaps

Inequitable access to education, opportunity, or other services

## List of key technology focus areas

High performance computing, semiconductors, and advanced computer hardware and software.

Artificial intelligence, machine learning, autonomy, and related advances.

Data storage, data management, distributed ledger technologies, and cybersecurity, including biometrics.

Advanced communications technology and immersive technology.

Advanced energy and industrial efficiency technologies, such as batteries and advanced nuclear technologies.

Robotics, automation, and advanced manufacturing.

Quantum information science and technology.

Advanced materials science, including composites 2D materials, other next-generation materials, and related manufacturing technologies.

Biotechnology, medical technology, genomics, and synthetic biology.

Natural and anthropogenic disaster prevention or mitigation.

# EU – Kritiska teknikområden (2023)

European Commission, Commission Recommendation on critical technology areas for the EU's economic security for further risk assessment, with Member States, 03/10/2023

## Ekonomisk säkerhetsbedömning med medlemsländer

Avancerade halvledare

Artificiell intelligens

Kvantteknologier

Bioteknik

Avancerad konnektivitet,  
navigation & digitalisering

Avancerad sensorteknik

Rymd- & hypersonisk teknik

Energiteknik

Robotik & autonoma system

Avancerade material,  
avancerad tillverkning &  
återvinningsteknik

# Analyser

