

# Plattform Industrie 4.0

## **Digitalization in Germany: Shaping digital ecosystem locally and globally**

Anna-Lena Laub, 05.04.2022

# Terms of use for this presentation



*The following content has been provided by the Administrative Office of Plattform Industrie 4.0.*

*Please note that the use of this content is reserved for participants of Plattform Industrie 4.0.*

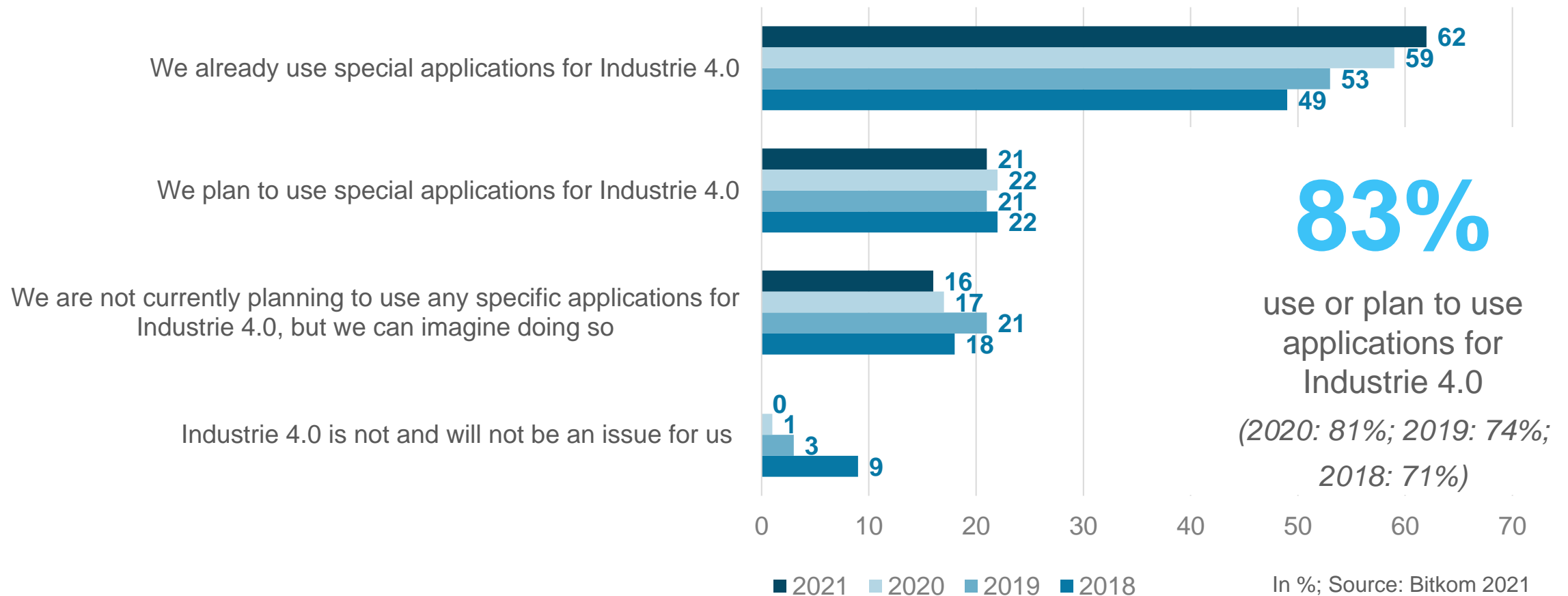


*If you wish to use any illustrations or images from the presentation for other purposes, please send an email to [geschaeftsstelle@plattform-i40.de](mailto:geschaeftsstelle@plattform-i40.de) in which you confirm that the Federal Ministry for Economic Affairs and Climate Action or Plattform Industrie 4.0 (depending on who is the copyright holder) has and retains all rights to the illustrations/images and that this is also indicated accordingly in the publication.*

Status Quo

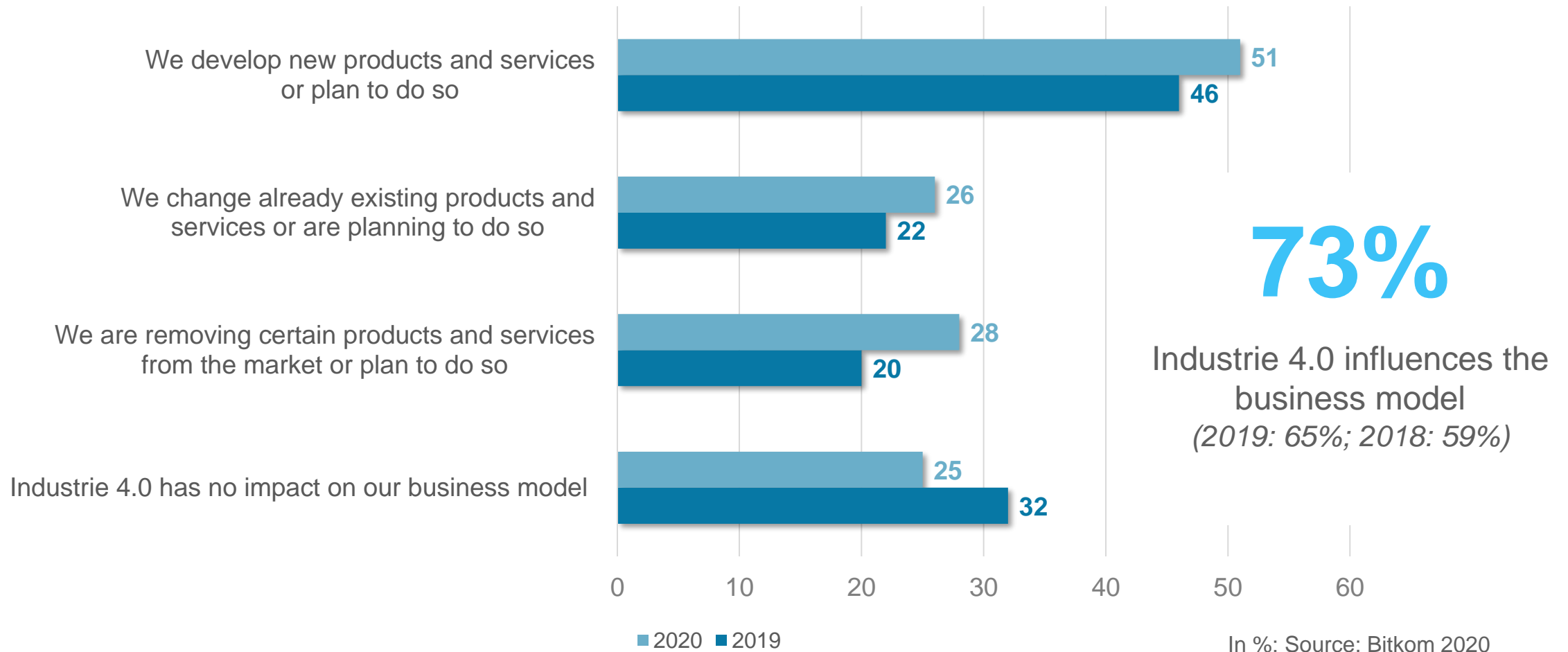
# Industrie 4.0 is being adopted by companies

Industrie 4.0 in German companies



## Status Quo

# Digitalisation creates new business models



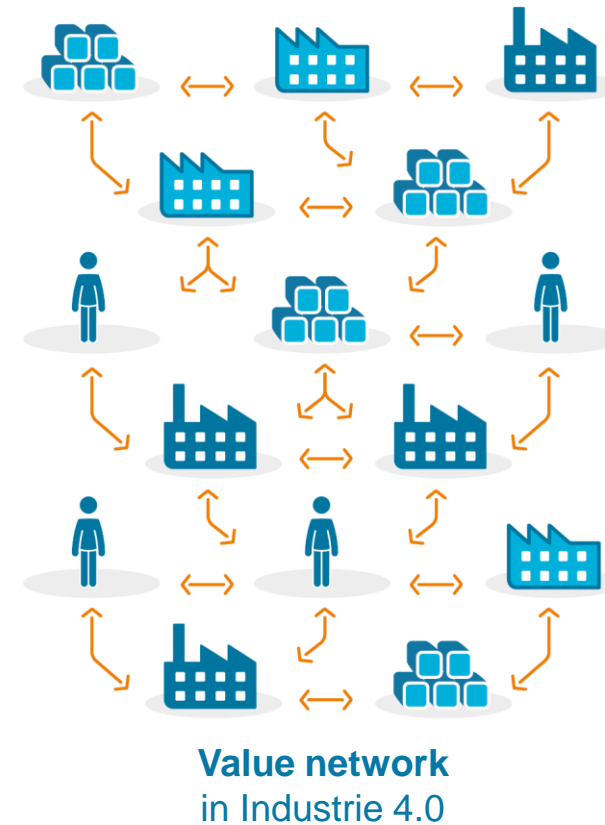
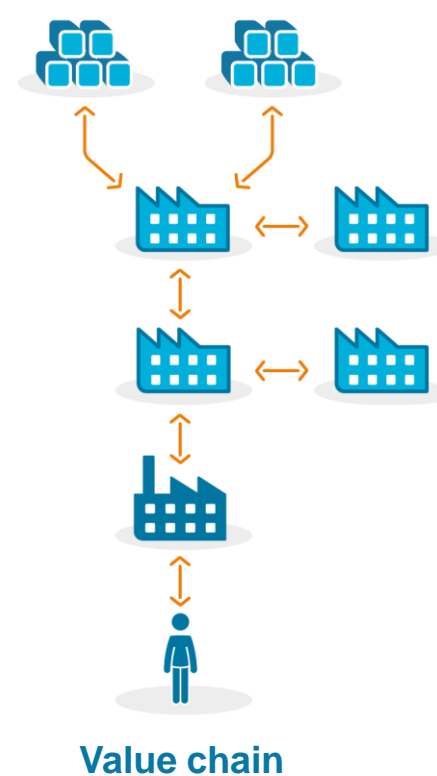
# Industrie 4.0

## From value chains to flexible value networks

Digitalisation breaks up value chains.

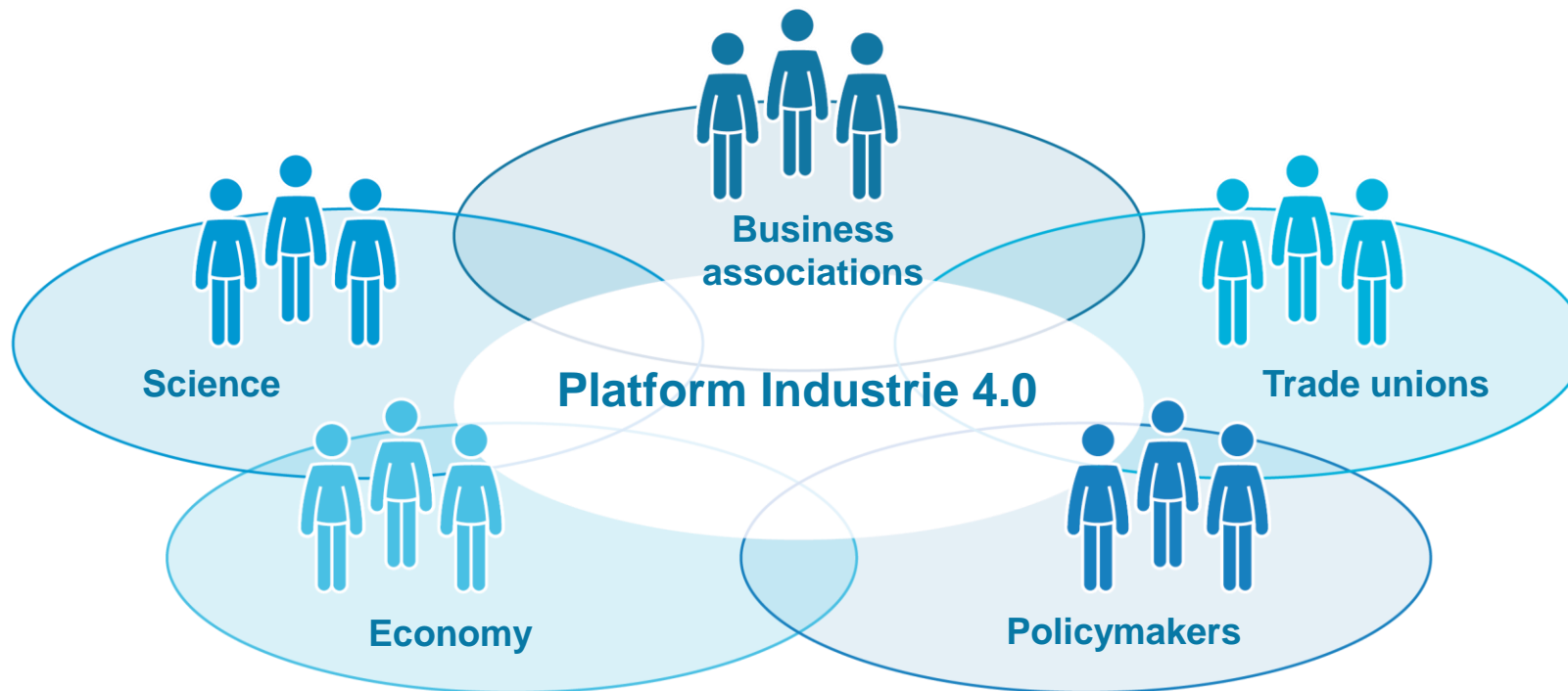
Industrie 4.0 allows companies to become part of larger ecosystems, i.e. they become integrated into flexible networks.

Market participants - in changing constellations - jointly provide goods and services along the entire value chain and over the entire lifecycle of a product.



# Plattform Industrie 4.0

## Network and cooperation



From AI to decent work - Platform Industrie 4.0 sees digital transformation as a **social project**.

This is why **stakeholders from science, business, government, business associations and trade unions** are working together on solutions within the scope of Platform Industrie 4.0 and have combined **technology with the values** of the social market economy within the 2030 Vision.

The platform is the **central hub** of a digital ecosystem for the "digitalisation of industry".

# 2030 Vision for Industrie 4.0

## Shaping digital ecosystems globally

### Interoperability

Cooperation and open ecosystems permit plurality and flexibility.

- > Regulatory framework
- > Standards and integration
- > Decentralised systems and artificial intelligence

### Autonomy

Self-determination and free scope for action guarantee competitiveness in digital business models.

- > Technology development
- > Security
- > Digital infrastructure

### Sustainability

Modern industrial value creation ensures high standards of living.

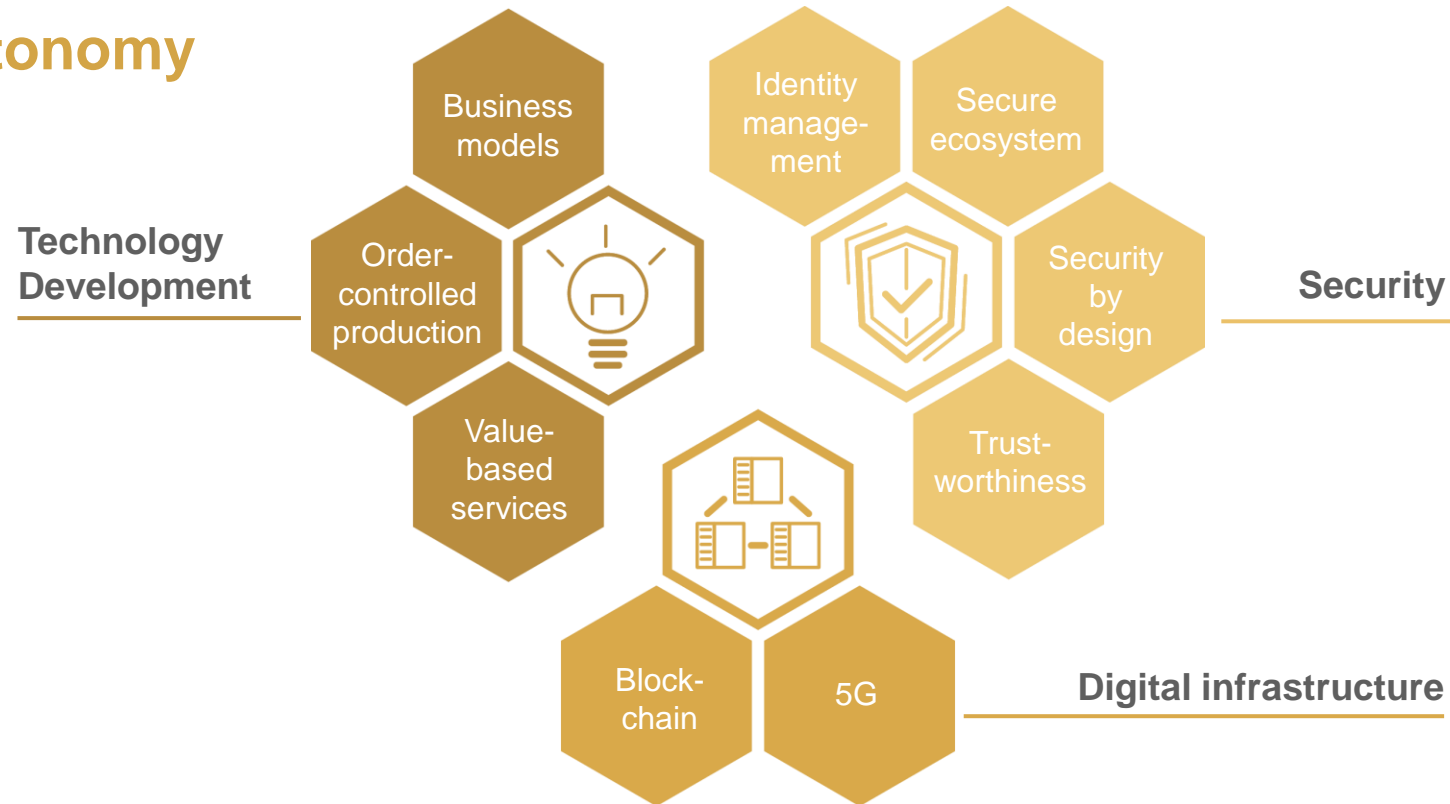
- > Decent work and education
- > Climate change mitigation and the circular economy
- > Social participation



# 2030 Vision for Industrie 4.0

## Shaping digital ecosystems globally

### Autonomy



Autonomy is the freedom of everyone to take independent decisions and to engage in fair competition – from the business model to the individual's purchasing decision.

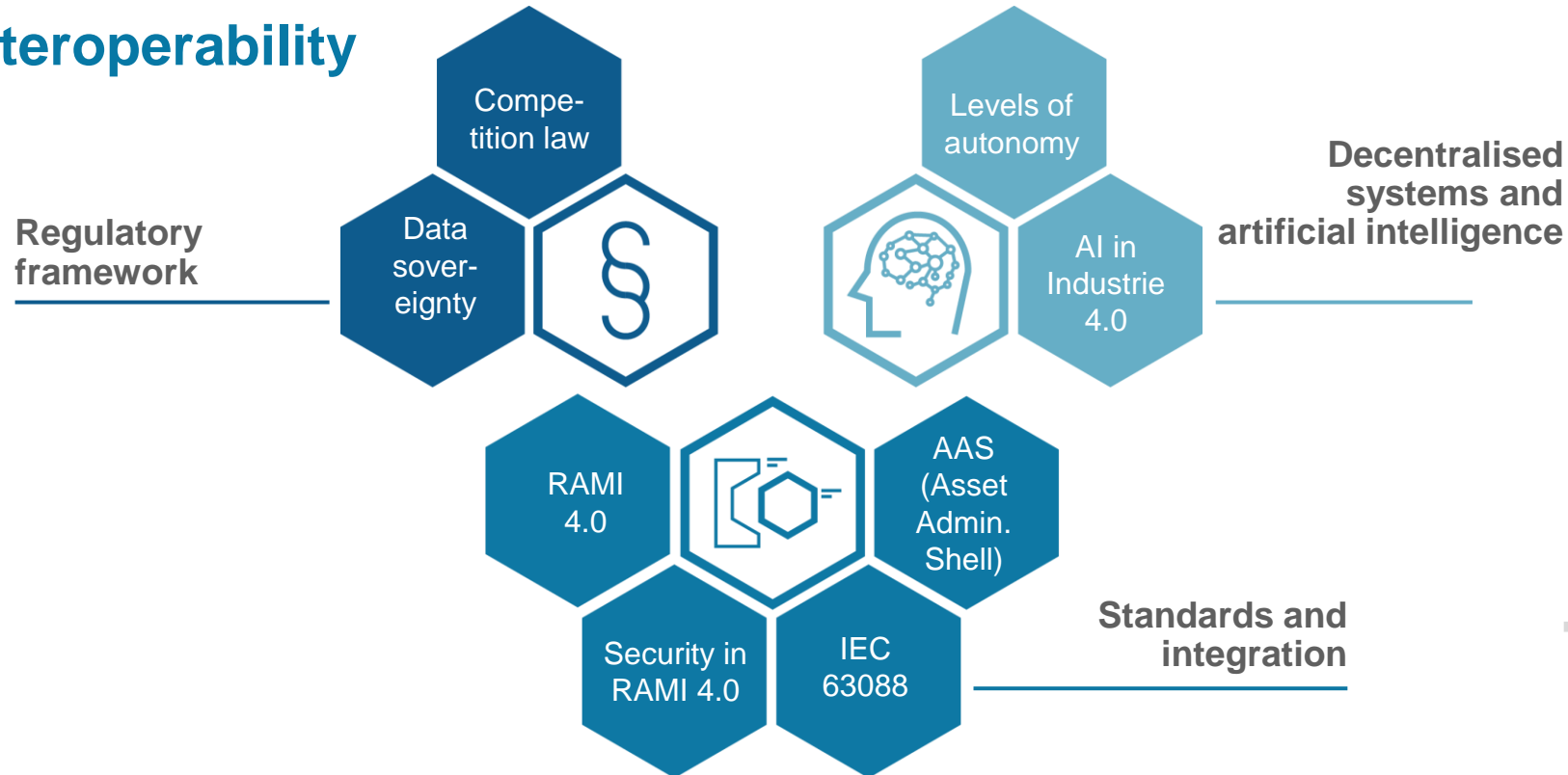
Autonomy requires an open digital infrastructure for everyone, data protection, IT and information security, and technologically open research, development and innovation.



# 2030 Vision for Industrie 4.0

## Shaping digital ecosystems globally

### Interoperability



The creation of complex, decentrally organised ecosystems requires seamless cooperation between all stakeholders.

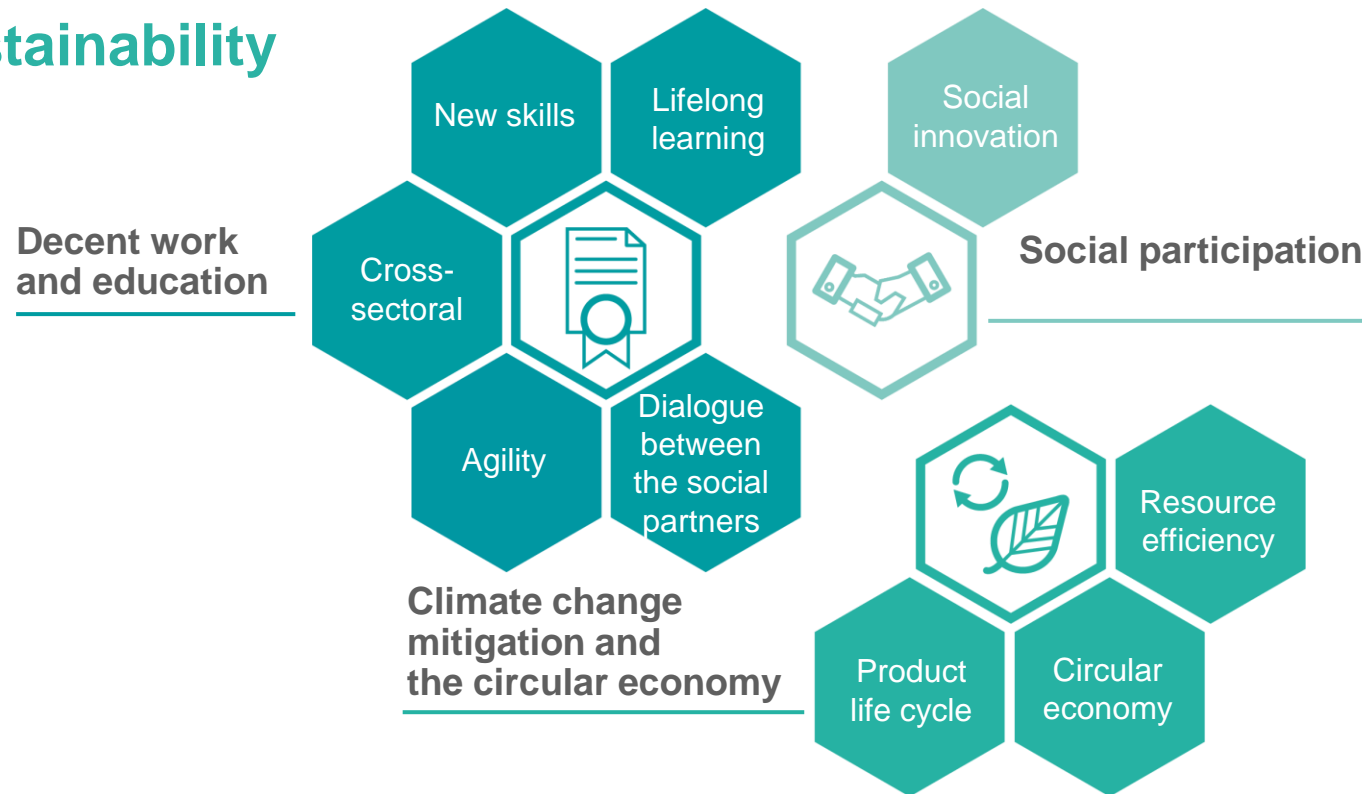
Only interoperability, to which everyone in the ecosystem is committed and contributes, ensures comprehensive networking.

This requires standards, a regulatory framework, decentralised systems and artificial intelligence.

# 2030 Vision for Industrie 4.0

## Shaping digital ecosystems globally

### Sustainability



Economic, ecological and social sustainability are essential cornerstones underpinning the values of society, which must also be incorporated into Industrie 4.0.

Key aspects of sustainability in the ecosystems of the future are decent work and education, climate protection and circular economy, and social participation.

# Contribution by Plattform Industrie 4.0

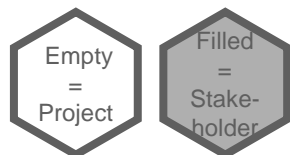
## From vision to practice

The Plattform Industrie 4.0 operates within a broad transformation network. In the network, key players from all areas and levels work together on the implementation of digital ecosystems.

In this way, the **Plattform Industrie 4.0** acts as an enabler for broad application.

Key to symbols  
color code and filling

- **Autonomy**
- **Interoperability**
- **Sustainability**
- **International**
- **Associations / Trade Unions**



# SME Transfer Industrie 4.0

## Joining forces for digital SMEs

### Innovation hubs, multipliers, SME partners

Supported by:



on the basis of a decision  
by the German Bundestag



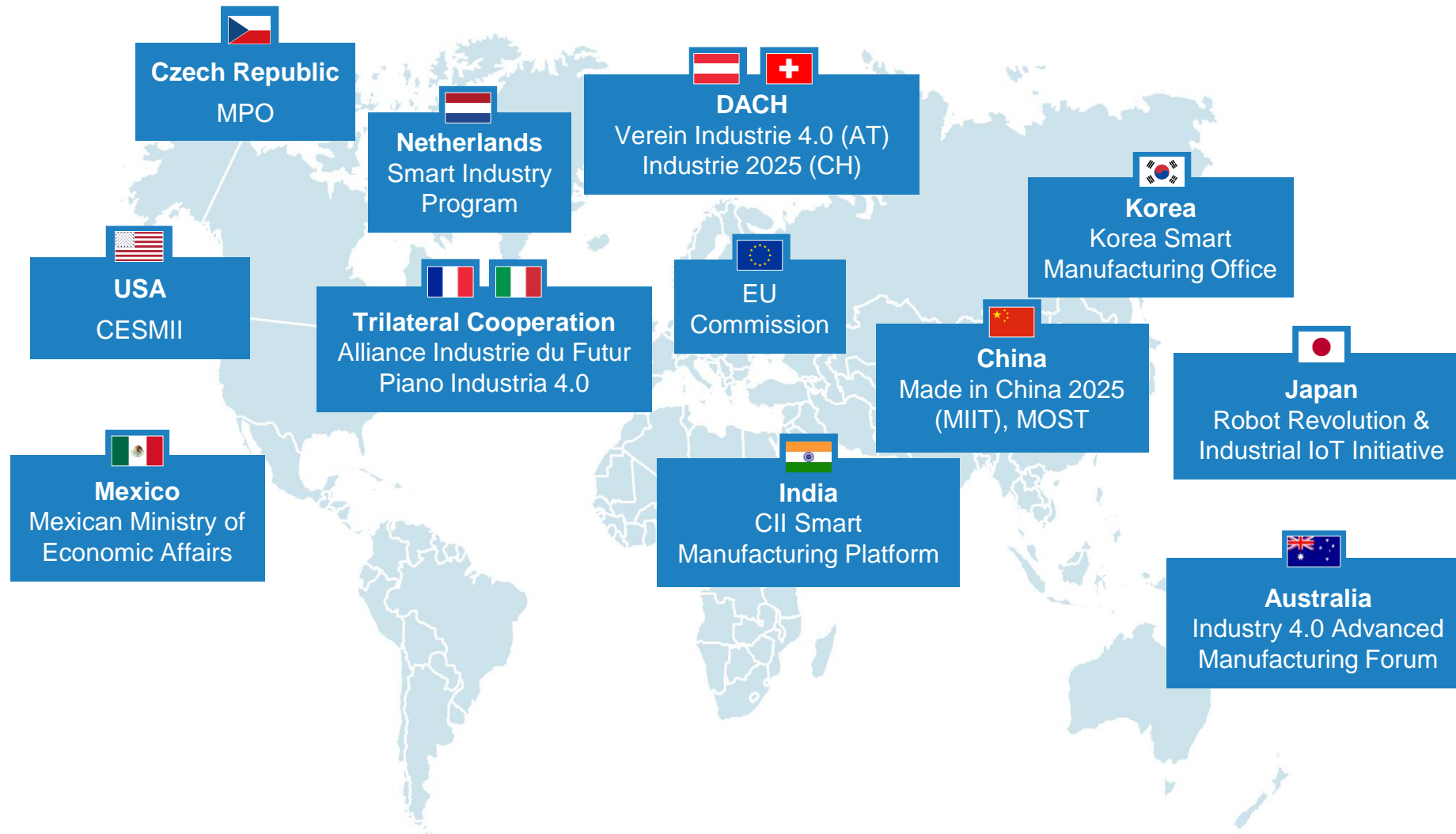
The Federal Ministries for Economic Affairs and Climate Action and Education and Research have launched the Transfer Network (TNI 4.0) to make transfer measures more effective.

Through TNI 4.0, partners exchange ideas, identify synergies and pool resources in joint actions.

This benefits the partners of the transfer network and ultimately small and medium-sized enterprises.

# Plattform Industrie 4.0

## International Cooperation



# Plattform Industrie 4.0

## Your contact

### Internationale Kooperationen Industrie 4.0 & Nachhaltigkeit **Anna-Lena Laub**

Bülowstraße 78  
10783 Berlin  
Tel.: +49 6251 8263-113  
[al.laub@plattform-i40.de](mailto:al.laub@plattform-i40.de)

[www.plattform-i40.de](http://www.plattform-i40.de)

**THANK YOU FOR  
YOUR ATTENTION!!**