

# InfraSweden

Innovations for smart, sustainable,  
resilient & competitive transport  
infrastructure



With support from

**VINNOVA**  
Sweden's Innovation Agency



Swedish Energy Agency

**FORMAS**

Strategic  
innovation  
programmes



**Infra  
Sweden**

# Challenges / Opportunities

## Sustainability

Climate change, electrification, circular economy

## Digitalization

Automation, AI, IoT, Big Data etc.

## Urbanization

Accessibility, mobility, travel/mobility trends

## Service-based economy

Service performance, new business models, new forms of collaboration

## Security and vulnerability

Information security, robust systems, security protection



# What we want to achieve

A sustainable transport infrastructure that supports the transition towards the 2030 Agenda and will achieve climate neutrality by 2045.

- ✓ Increased sustainability
- ✓ Competitive innovations for transport infrastructure
- ✓ Open, dynamic and attractive sector

## Focus areas



Climate-neutral and climate-resilient transport infrastructure



Connected transport infrastructure



Materials, design solutions and construction methods



Increased productivity and quality



Sustainable maintenance of transport infrastructure

# Target groups



Owners: Municipalities (but also regions), Swedish Transport Administration



Large and small businesses who are willing and capable to contribute to the development of the sector



Academia & Research Institutes



Innovators or potential innovators in the sector



# What we do

Open Calls for innovation projects

Strategic projects

Innovation competitions

Innovation coaching and competence building

Seminars, webinars & workshops

Collaboration arenas

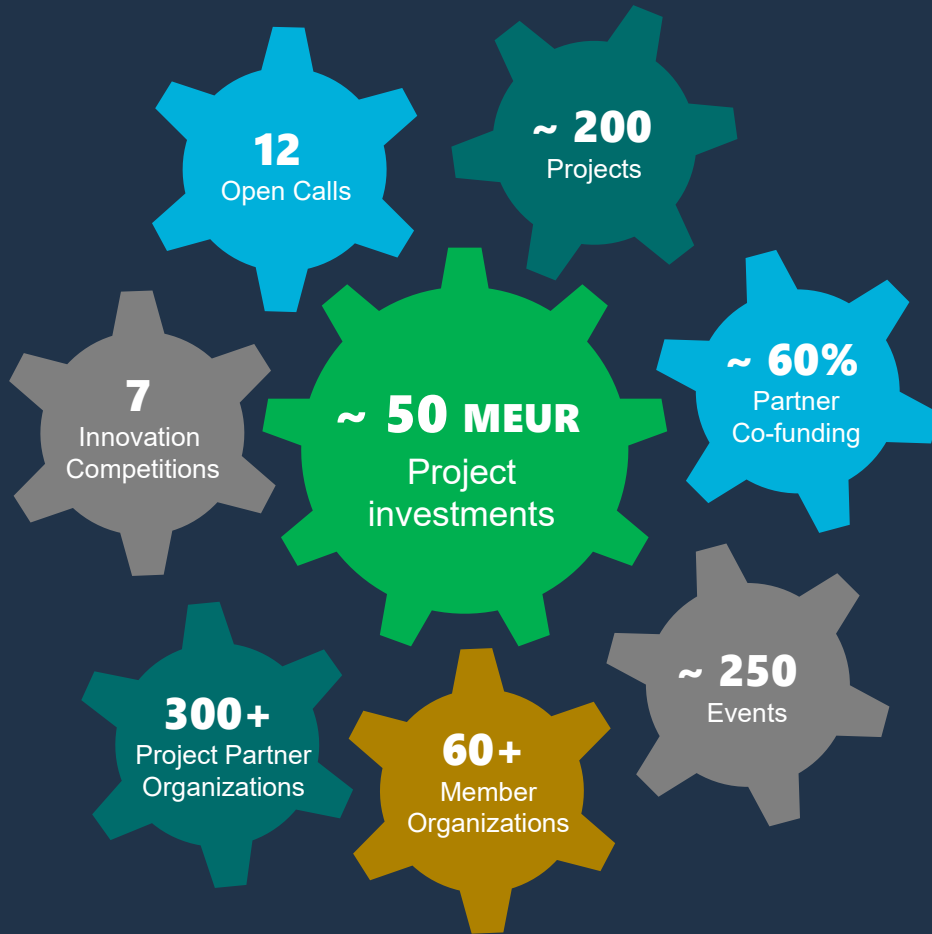


# Open calls for innovation projects

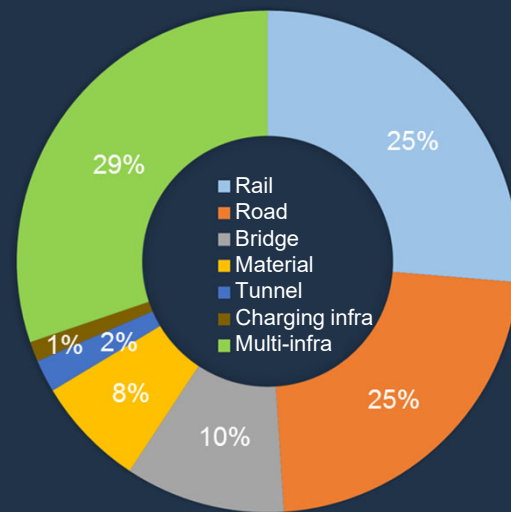
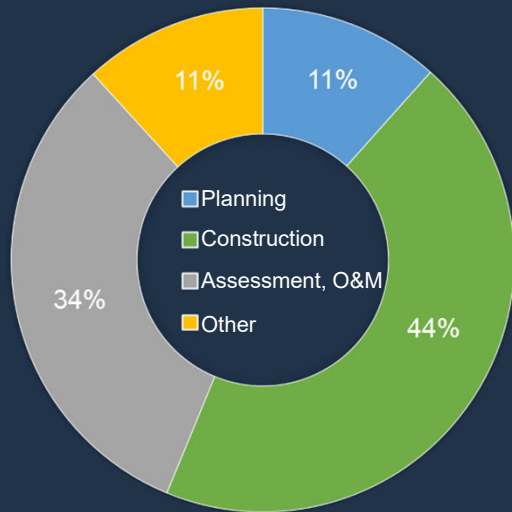
1. Condition assessment and maintenance of transport infrastructure (2016)
2. Increased productivity in transport infrastructure (2016)
3. Climate-neutral infrastructure (2017)
4. Solutions for a resource-efficient and sustainable transport infrastructure (2017)
5. Solutions for a sustainable transport infrastructure (2018)
6. Connectivity, digitalization, automation, and AI in transport infrastructure (2019)
7. Solutions for faster development of transport infrastructure (2020)
8. Solutions for faster transition to sustainable transport infrastructure (2021)
9. Adaptation of transport infrastructure to climate change (2022)
10. Increased circularity for the transport infrastructure (2023)
11. Increased circularity for the transport infrastructure, call for proposals 2 (2024)
12. Solutions for faster transition to sustainable transport infrastructure (2024)



# InfraSweden since 2015



# Projects that make a difference



75%

successfully contributed to **knowledge dissemination**



70%

deepened **collaboration** among partners



50%

achieved, or with a clear plan for, **practical implementation**



80%

offer **environmentally friendly** and **climate-smart** solutions



75%

assessed to contribute to **economic sustainability**



40%

assessed to contribute to **social sustainability**



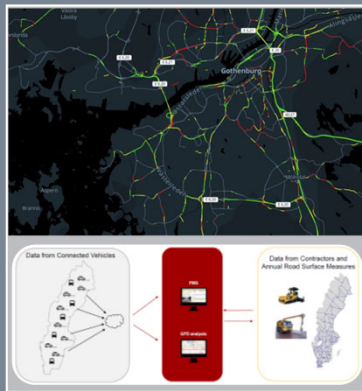
**Efficient Load Out**



**iBridge**



**Digital winter operation**



**Connected road surface measurements**



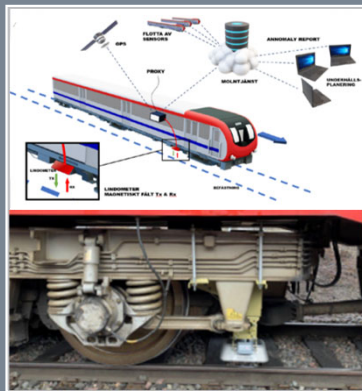
**BIFROST**



**Wavebreaker**



**LifeEXT**



**Autonomous condition monitoring**



**DigiRoad & DigiRail**



**Bio-based asphalt**

# Innovation Competitions - InfraAwards



2025

Flox Edge, Mobile AI-driven unit that identifies and diverts wildlife



2024

Tree management through advanced Tech & AI



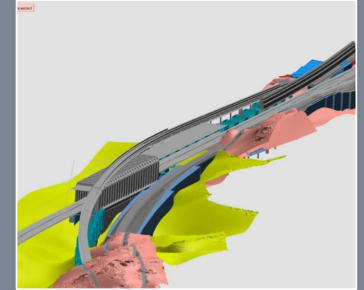
2023

Circular noise screens using waste construction materials



2022

BIFROST  
Bimodular formable robust timber bridge



2021

Digital platform for management of geotechnical information

# Industry collaboration and networks



Network for a climate-neutral construction sector



New association in road maintenance



Network for condition-based railway maintenance



Network for digitalization in infrastructure and mobility



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