

Future transportation systems -Policy initiatives and testbeds in Sweden

Seoul 2016-07-07

Anders Jörnesten & Peter Eriksson

Outline

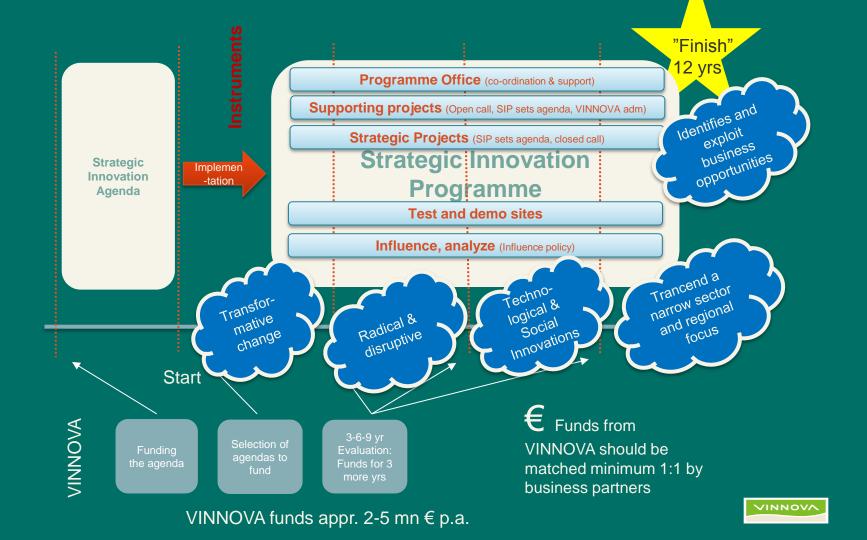
- Introduction to Drive Sweden
- Movie Automated transport systems
- Testbeds and real-life tests



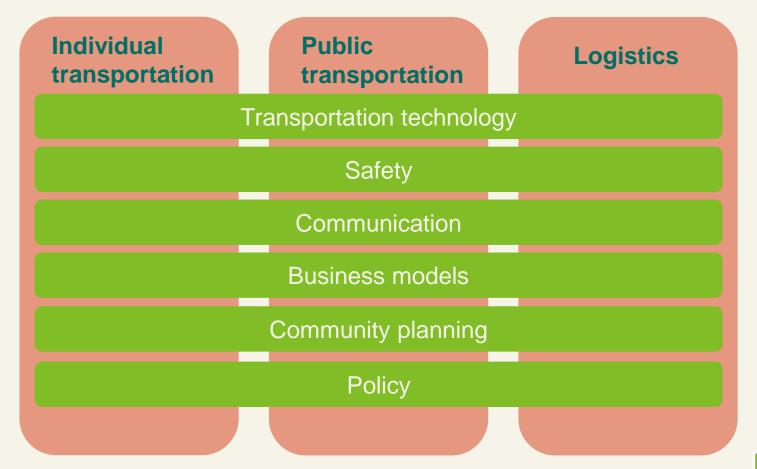
Drive Sweden - A Strategic Innovation Program

- Focused on automated transport systems
- Started in spring 2015
- Automotive and ICT industry in the forefront + tradition of systems thinking and excellent collaboration between industry, academia and government





Drive Sweden





Movie



Initial Stakeholders/partners

National Authorities





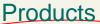




Muncipalities







VOLVO



ERICSSON















veridict 🔌

Norconsult *

ATKINS

m carmenta

MINDCONNECT

S GOOGOL

UbiGo

Specialists

WSP

A network of testbeds

The complexity requires several projects that tests the results in a variety

of settings

Drive Me

Test self-driving Volvo cars in a real-life setting (living lab)

Asta Zero

Test environment in full – scale for future road-safety

ICEmaker

Test vehicles och systems in an arctic environment

Connected Mobility Arena

Test autonomous public transportation in reality with 5G technology









	Laboratory	Test site	Reality
Purpose	Explore characteristics	Test solutions in a controlled and realistic environment	Test solutions in reality with real users (living lab)
Reproducebility	Easy to reproduce	Moderate reproducebility	Hard to reproduce based on trust and a lot of stakeholders
Investment	Expensive	Varies	Marginal cost for availiability
Commitment	>10 yrs	Varies	<10 yrs
Complexity	Isolated tests	Complicated, yet in a controlled environment	Very high and necessary complexity
Financing	Well established support	Established and new ways of support on its way	Underdeveloped

VINNOVA





Thank you! Questions?



www.vinnova.se