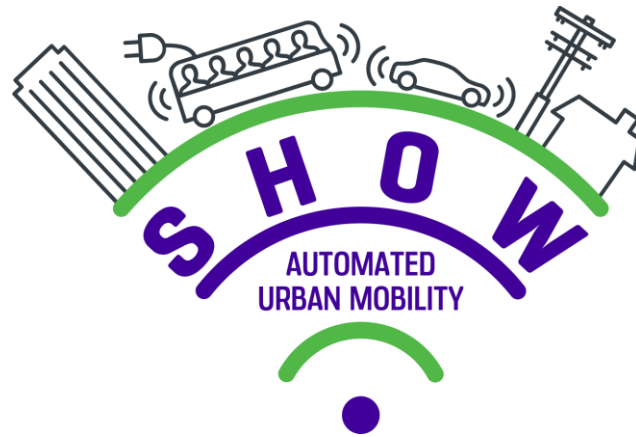


This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 875530.





The SHOW project in a nutshell

SIP-adus Workshop 2020 “Regional Activities”



Dr Henriette Cornet, UITP, November 2020

SHOW

***S**hared automation **O**perating models for **W**orldwide adoption*

aims to support the deployment of shared, connected and electrified automated vehicles in urban transport, to advance sustainable urban mobility.



SHOW in brief



*January 2020 –
January 2024
(48 months)*



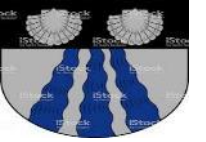
*69 partners
from 13 EU-
countries*



*Twinning actions
with 11 global
organisations*



€30 million





SHOW will



Develop technical solutions, business models & priority scenarios for impact assessment



Deploy shared, connected, electrified fleets of AVs in public transport, Demand Responsive Transport (DRT), Mobility as a Service (MaaS) and Logistics as a Service (LaaS)



Conduct real-life urban demonstrations taking place in 20 cities in Europe for 24 months, with real service seamless operation in each pilot site lasting at least 12 months

SHOW will **deploy** more than **70 SAE L4 AVs**

for both **passenger** and **cargo** transport in

dedicated lanes and **mixed traffic**,

connected to a wide range of supporting infrastructure (**5G, IoT**) and

operating under **traffic speeds** ranging from

18 to over **50km/h**.

Key Innovations (selection)



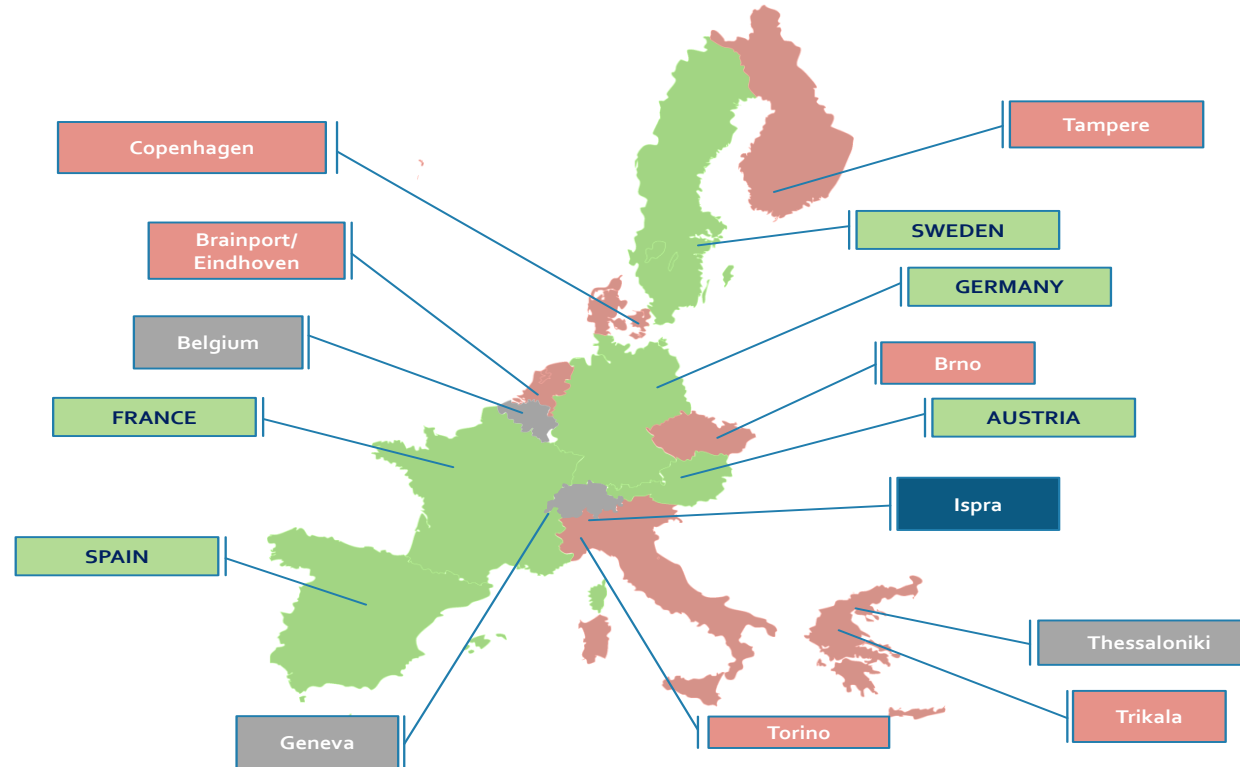
- Enhanced traveller experience
- Open & modular architecture
- 5G control tower
- Interoperability
- New business models
- AI for prediction of demand
- Simulation framework
- Impact assessment

Use Cases in SHOW (selection)

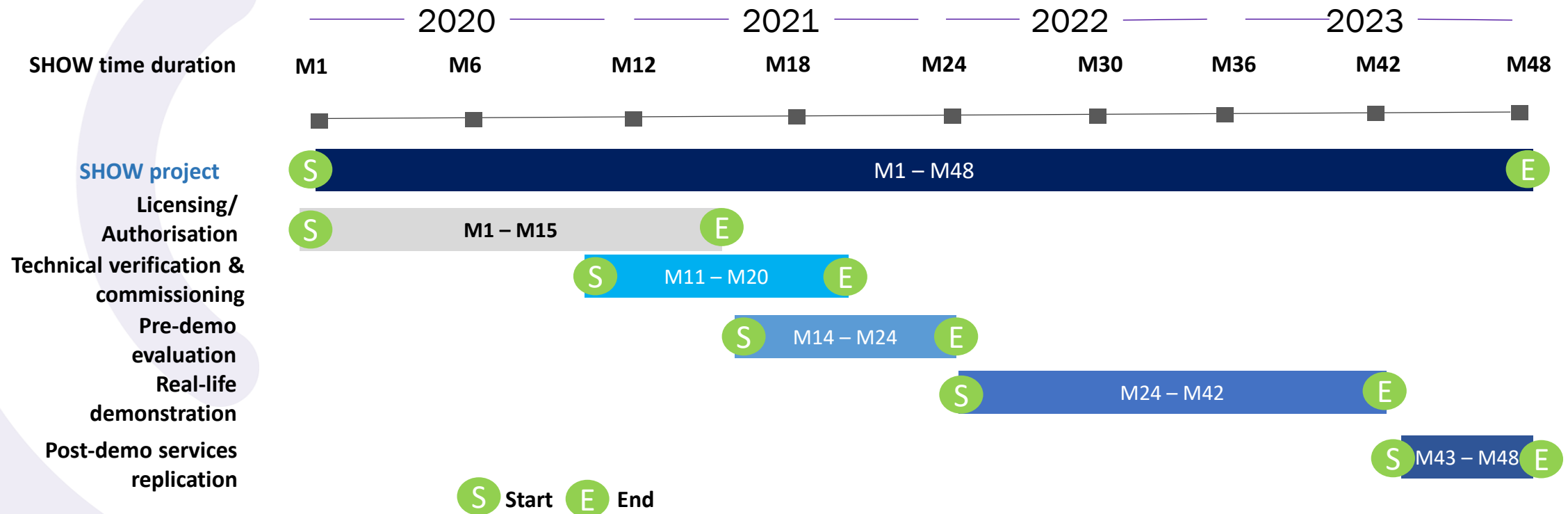


- Automated mobility in cities
 - Under normal / complex traffic & environmental conditions
 - Interfaces with road users incl. VRU
 - Connection to Operation Centre for tele-operation and remote supervision
 - Platooning
 - Seamless autonomous transport chains (incl. MaaS & LaaS)
- Added-value services
 - Big data/AI based services for passengers & cargo
 - Automated parking
 - Depot management

SHOW demos



Demonstration Plan



SHOW includes 69 partners from 13 EU-countries and fosters international cooperation by collaborating with organisations from the US, South Korea, Australia, China, Japan, Singapore, and other countries.

International Cooperation in SHOW

Levels of cooperation



Discuss

*Know-how
Lessons Learned
Best practices*

Support

*Developments in
Safety
Traffic efficiency
User experience
etc.*

Exchange

*Data sets deriving from
CCAM demonstration*

International Cooperation in SHOW

Cooperation in Asia-Pacific



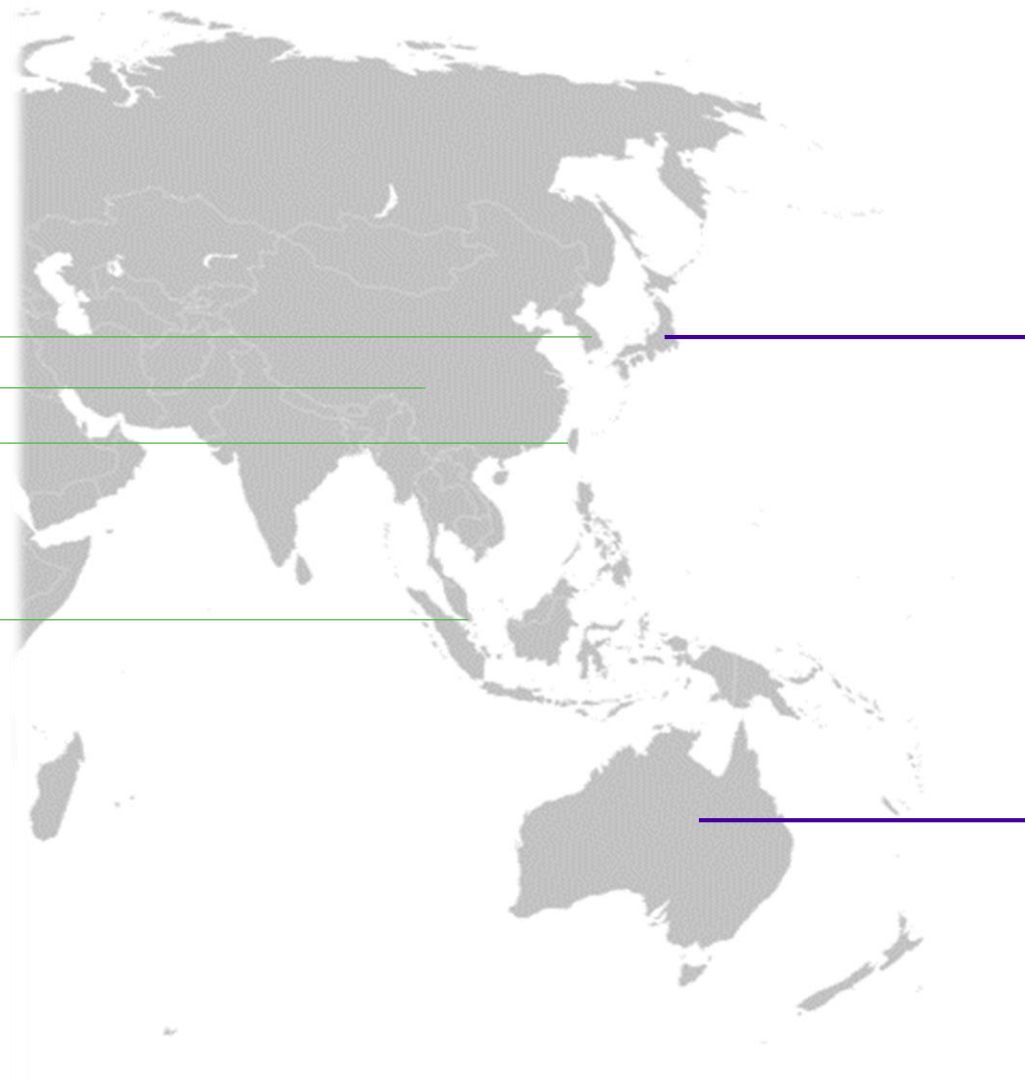
Planned / on-going:

South-Korea

China

Taiwan

Singapore



ITS Japan

NDA signed
with SHOW

September 2020



東京大学
THE UNIVERSITY OF TOKYO



The George Institute
for Global Health

NDA signed with SHOW
September 2020

Subscribe to our newsletter and follow us on social medias!



@SHOW_H2020



<http://linkedin.com/company/showh2020/>

<https://show-project.eu>



Dr Henriette Cornet

henriette.cornet@uitp.org

Project Coordinator of SHOW

UITP – International Association of Public Transport

<https://www.uitp.org/>



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 875530.