



**WEBINAR: C-ITS LIVING LABS IN EUROPE:
STATE OF PLAY & OUTLOOK TO THE FUTURE**

**THE C- ITS LIVING LAB AND THE C-ROADS
PLATFORM ON HARMONISED C-ITS DEPLOYMENTS**

Alexander Froetscher, AustriaTech

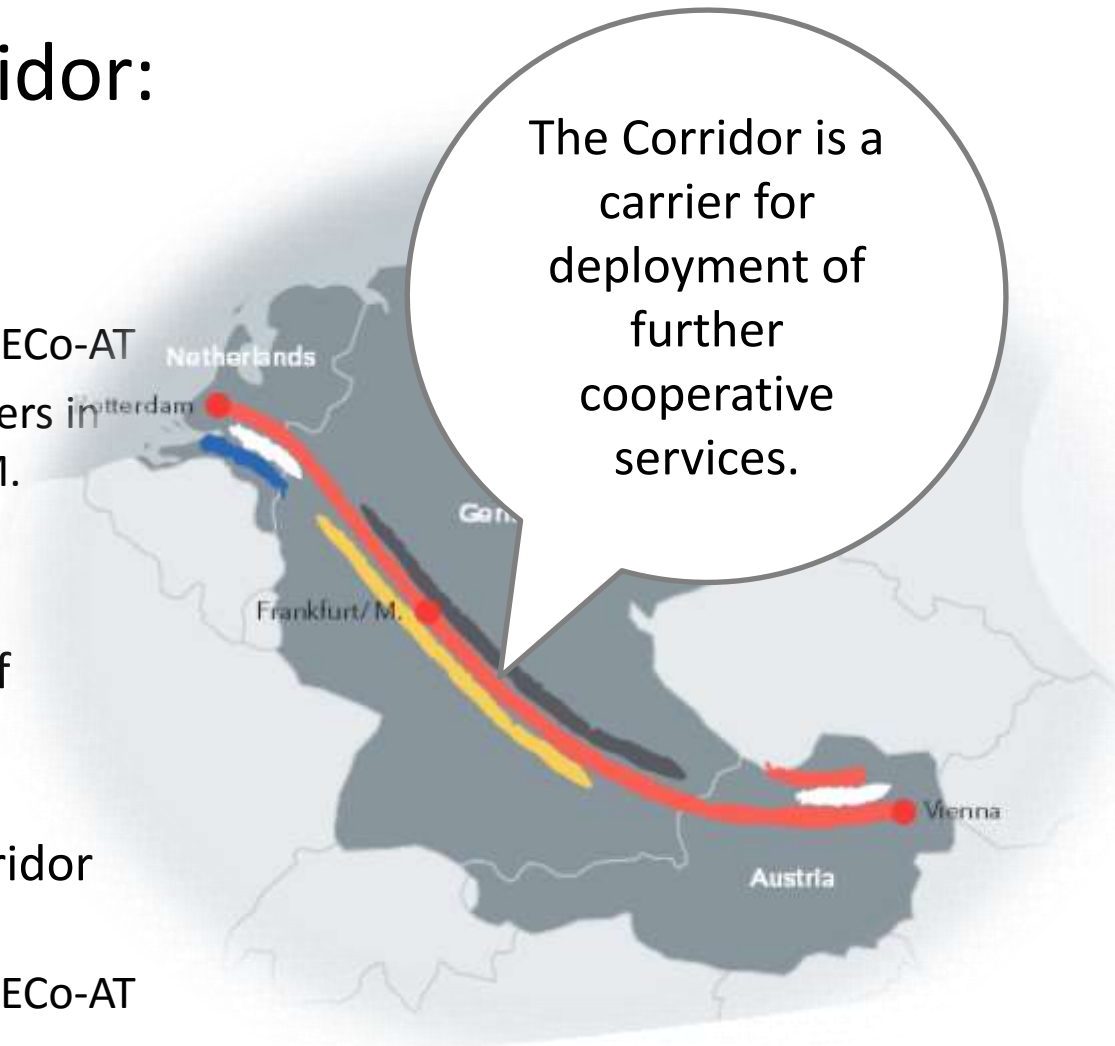
C- ITS LIVING LAB AND THE C-ROADS PLATFORM

- EU Cooperative Corridor Project
- Validation timeline
- C-ITS Living lab
- C-ROADS: Validation and Testing
- C-ITS Services
- Conclusions

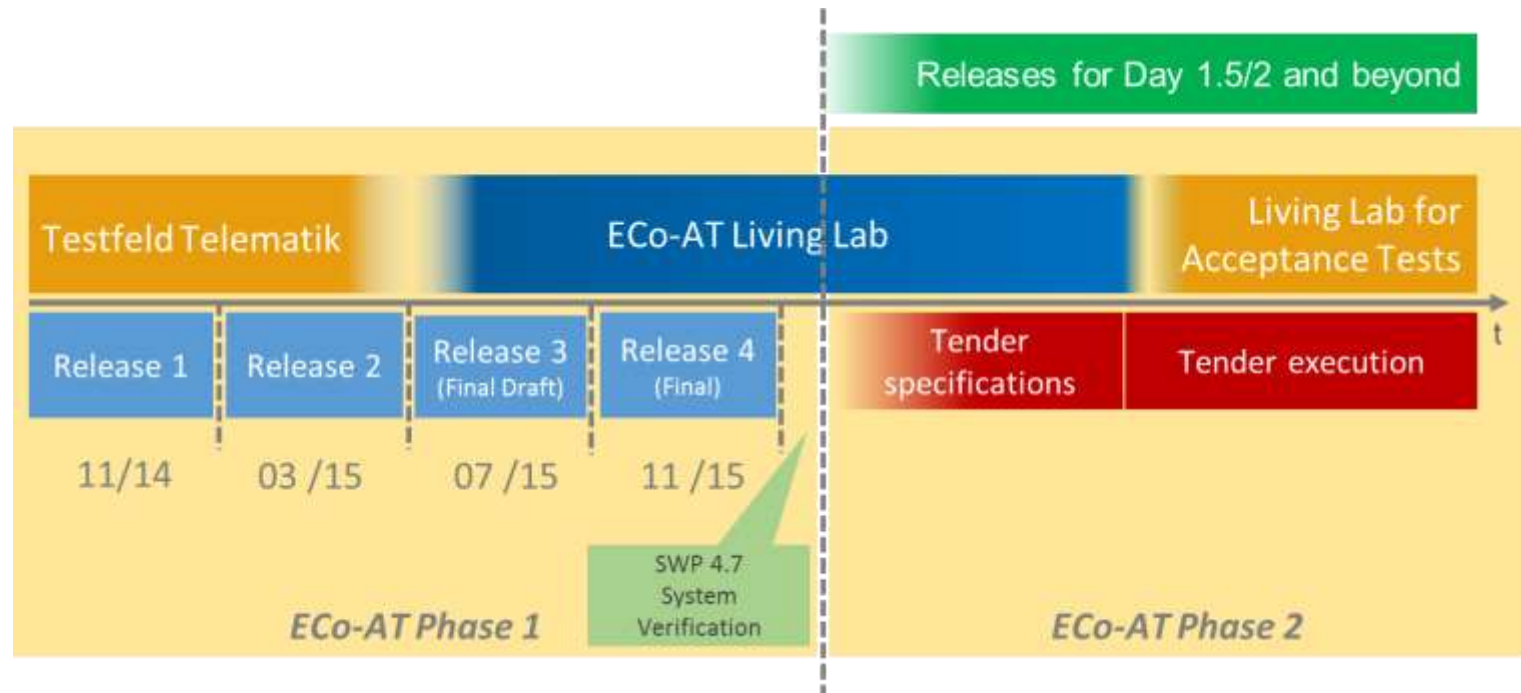
C-ITS LIVING LAB AND THE C-ROADS PLATFORM

EU Cooperative Corridor:

1. Pre-development and proof-of-concept
 - within the Austrian project ECo-AT
 - with road works safety trailers in Hessen around Frankfurt/M.
 - by extension of Dutch Test-site DITCM
2. Nationwide Deployment of Road Works Warning and Probe Vehicle Data in the Cooperative ITS Corridor (NL – DE – AT)
 - within the Austrian project ECo-AT



Project phases



- Release 3.7 is publicly available now!

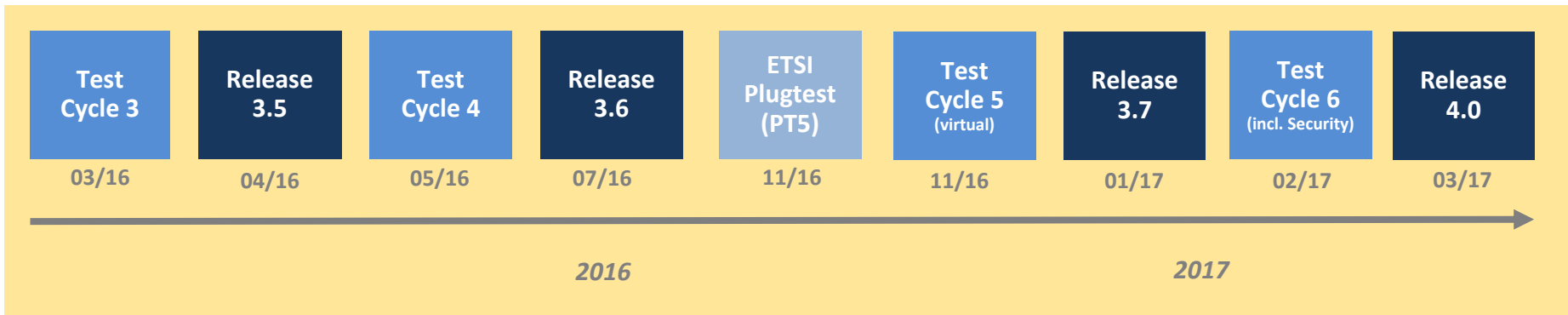
http://www.eco-at.info/Specification_request.html

- Third parties have full access to specifications of releases **and** to test against those releases in the ECo-AT living lab.

ECo-AT Releases and Test Cycles

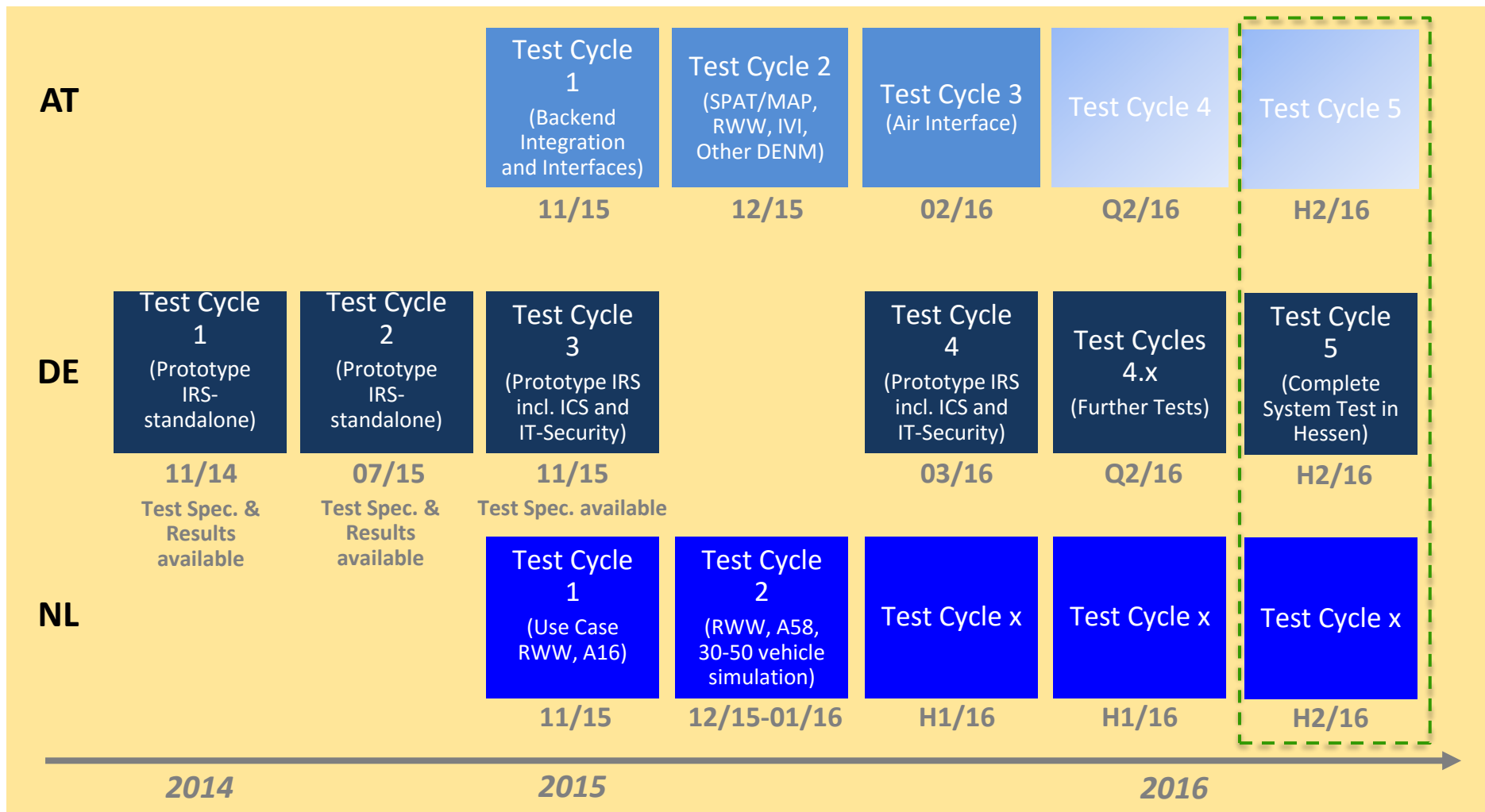


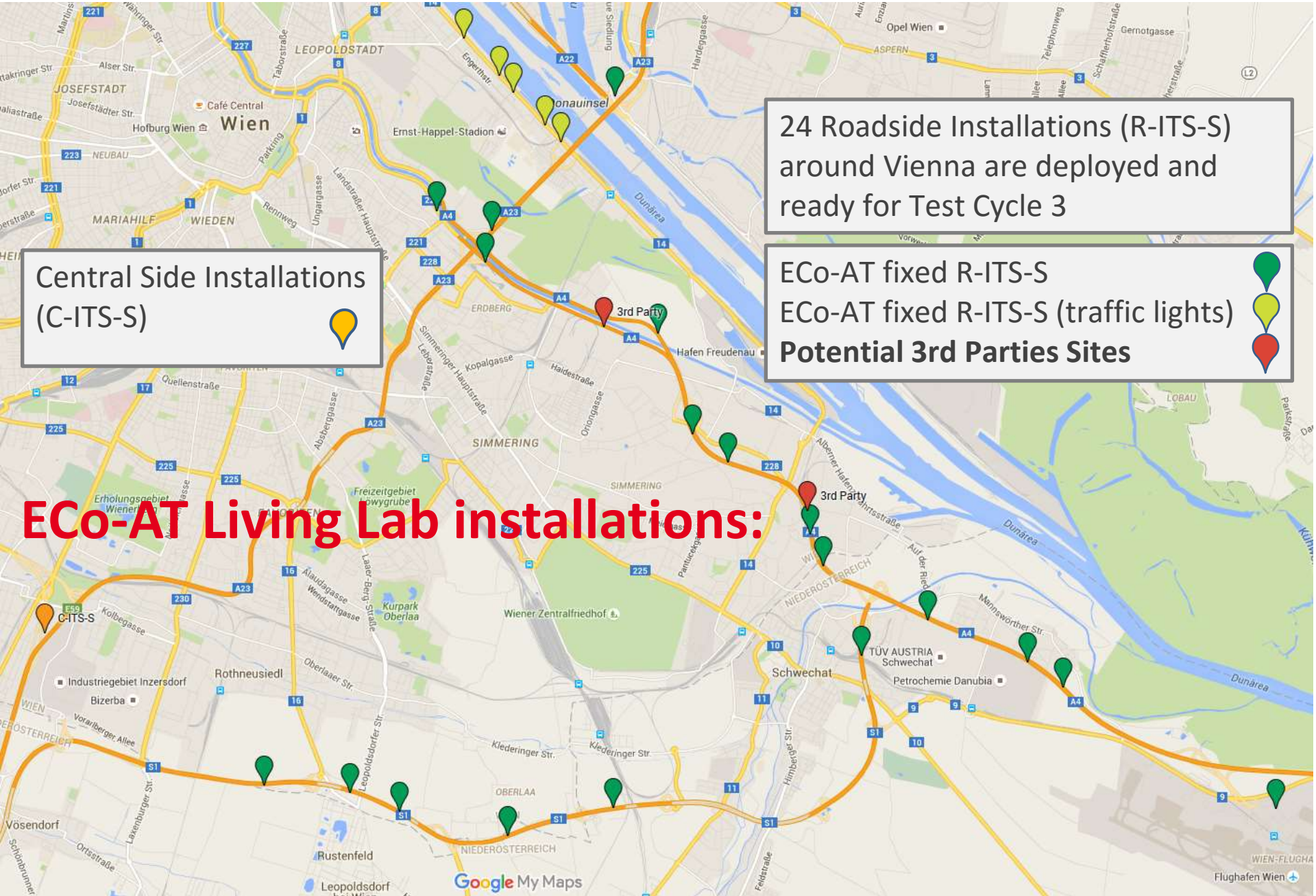
ECo-AT Phase 1+



- Test cycles are organized together with OEMs and interested third parties
- Results of test cycles are incorporated into new releases of specifications

Cross Border Tests ITS Corridor AT/NL/DE





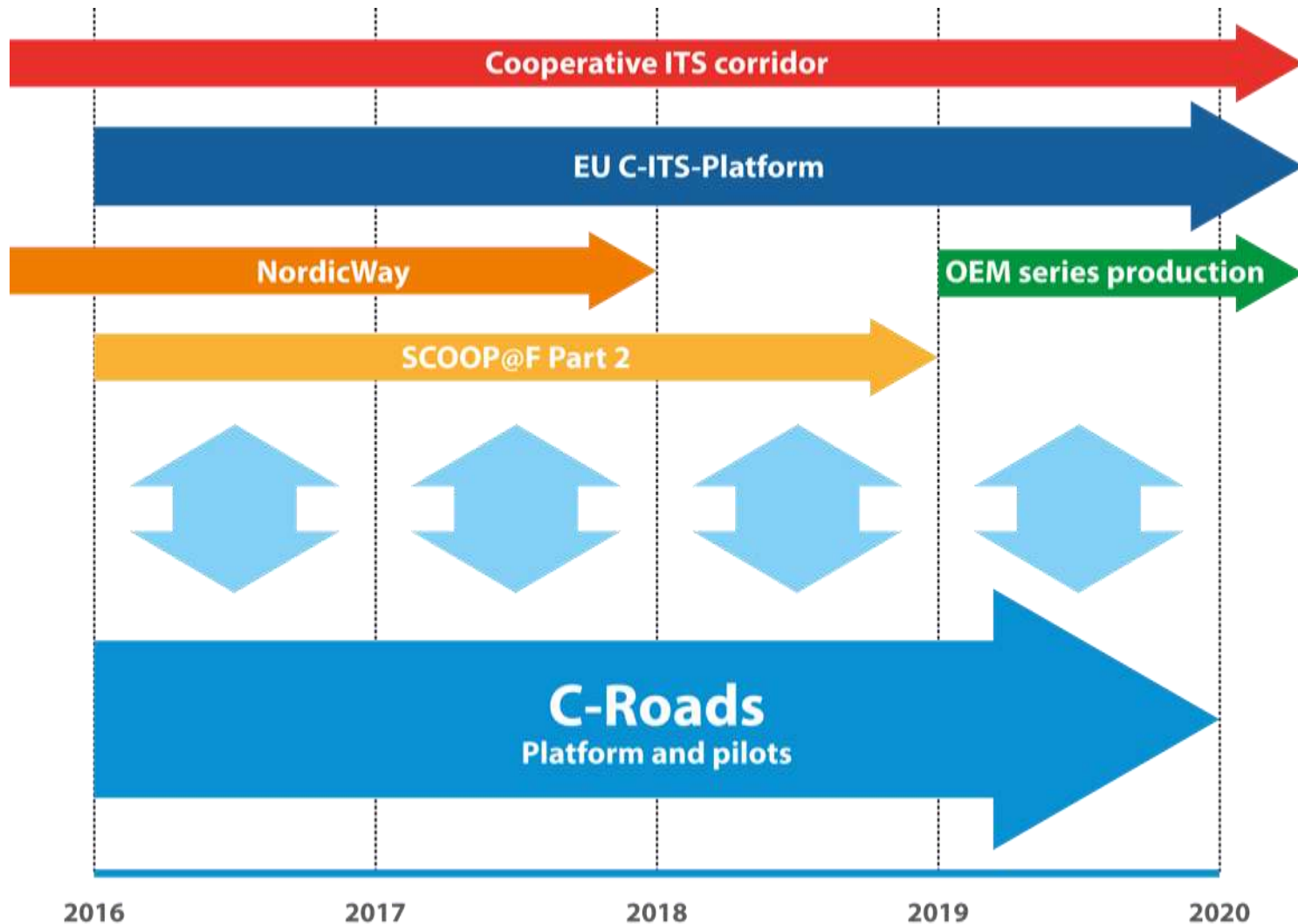
24 Roadside Installations (R-ITS-S) around Vienna are deployed and ready for Test Cycle 3

Central Side Installations (C-ITS-S)

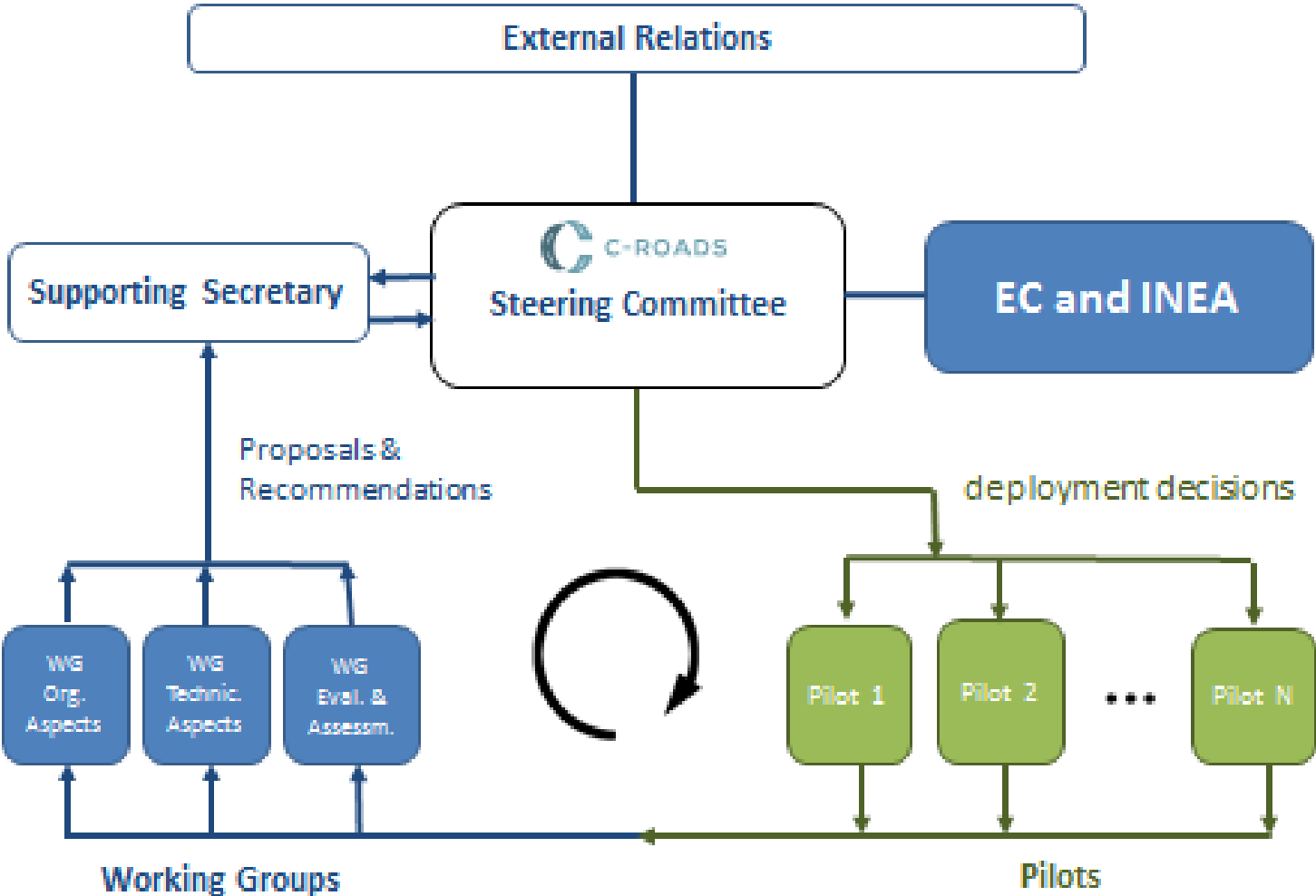
ECo-AT fixed R-ITS-S
 ECo-AT fixed R-ITS-S (traffic lights)
 Potential 3rd Parties Sites

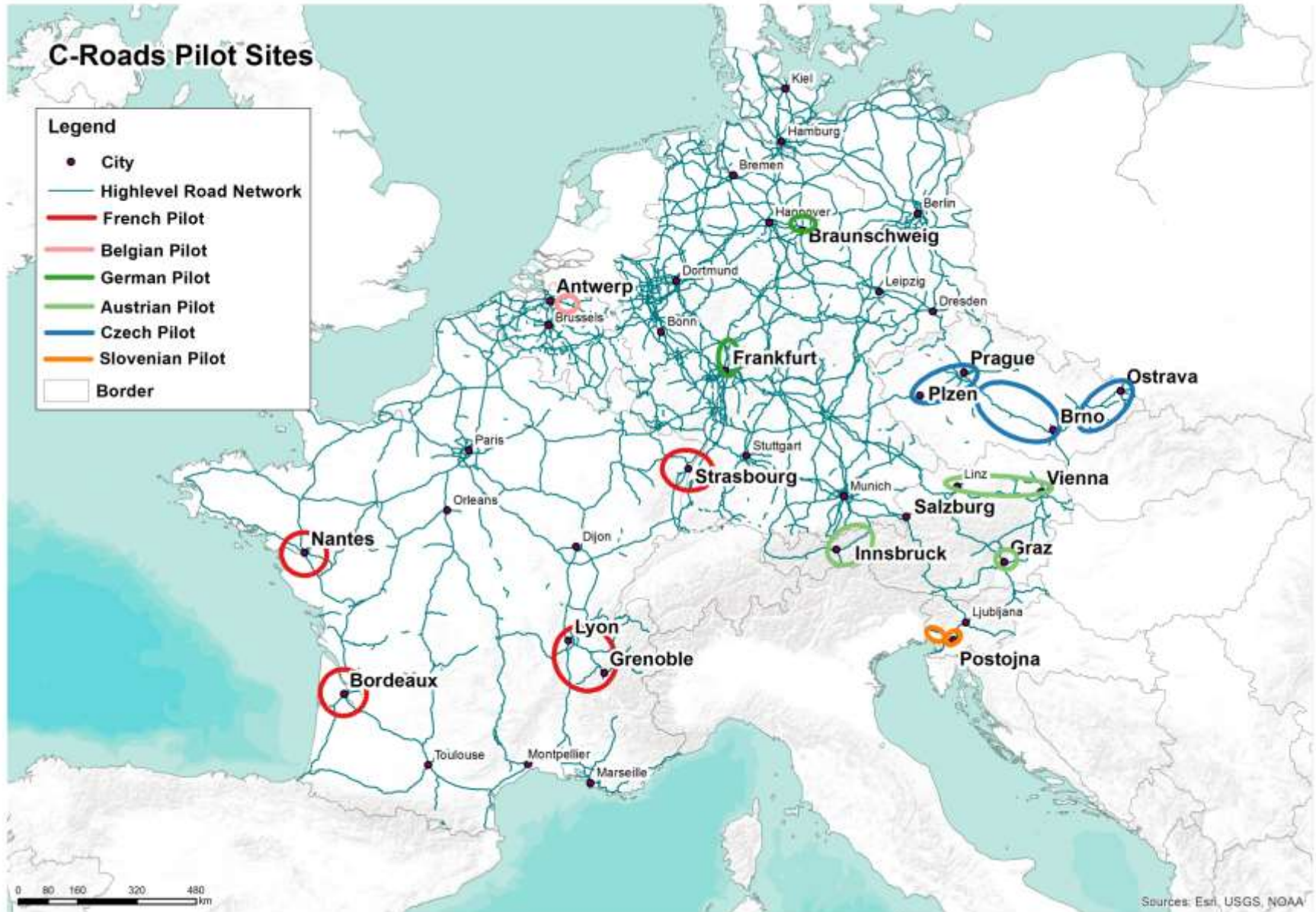
ECo-AT Living Lab installations:

C-ROADS TIMELINE:



C-ROADS ORGANISATION:





FOCUS IS ON DAY 1 SERVICES

Hazardous location notifications:

- Road works warning
- Weather conditions
- Emergency brake light
- Emergency vehicle approaching
- Slow or stationary vehicle(s)
- Other hazardous location notifications

Signage applications:

- Traffic jam ahead warning
- In-vehicle signage
- In-vehicle speed limits
- Probe vehicle data
- Shockwave Damping
- Green Light Optimal Speed Advisory (GLOSA)
- Signal violation / Intersection Safety

CONCLUSIONS C-ITS LIVING LABS & C-ROADS:

- C-ITS Living Lab is operative and open to industry
- European Member states have teamed up to harmonise C-ITS service roll out
- Infrastructure communication profile for C-ITS pilot services across Europe
- The activity includes a common security solution
- Testing and validation of common C-ITS services is core element of this effort to prepare for series roll out

More Information available at:

alexander.froetscher@austriatech.at

+43 1 26 33 444 - 64