New H2020 Project PLANET Launched June 2020

A new research and innovation action will assess the impact of emerging global trade corridors on the TEN-T network, ensuring effective connectivity and sustainability of the European Global Network.

PLANET is a 36-month project, starting on the 1st of June 2020, that goes beyond strategic transport studies and ICT for transport research, by rigorously demonstrating the emerging concepts (Physical Internet**)** and technologies (IoT, Blockchain) in three EU-global real-world corridors (China - EU- US). The project will focus in two key R&D pillars:

- A Geo-economics approach, modelling and specifying the dynamics of new trade routes and their impacts on logistics infrastructure and operations, with specific reference to TEN-T;
- An EU-Global network enablement through demonstration of disruptive concepts and technologies (IoT, Blockchain and PI, 5G, 3D printing, autonomous vehicles /automation, hyperloop) which can shape its future and address its shortcomings.

The project will liaise closely with the European Technology Platform ALICE and its developments and projects to join forces with all projects in this area.

Demonstrators

Three Living Labs (including the ports of Valencia, Rotterdam and Sines) will contribute to the strategic analysis of global flows (based on the corridors where they are located), the analysis of corridor infrastructure issues, and the investigation of integration of the respective global corridor with the TEN-T. Furthermore, all Living Labs will investigate innovative ways to coordinate complex supply chains through multimodal corridors involving private and public stakeholders.

The PLANET Consortium:

The PLANET consortium comprises 33 partners of which 75% are represented in the project's LLs and who collectively represent a large cohort of principal EU and Global Transport & Logistics.

Inlecom is the project coordinator and the partners are:

1. Centre for Research and Technology Hellas
2. China Academy of Transportation Sciences
3. COSCO Shipping Lines Spain
4. COSCO SHIPPING TECHNOLOGY (BEIJING)
5. Comunidade Portuária de Sines
6. Konnecta
7. DHL Supply Chain Spain
8. EBOS Technologies

9. TEN-T Interregional Alliance for the Rhine-Alpine Corridor
10. Erasmus University Rotterdam
11. European Shippers Council
12. CityLogin
13. Fundación Valenciaport
14. Fundación Zaragoza Logistics Center
15. GS1 China
16. GS1 Poland
17. HARDT HYPERLOOP
18. IBM Ireland
19. International Union for Road-Rail Combined Transport
20. INSTITUTO TECNOLÓGICO DE ARAGON
21. Instytut Logistyki i Magazynowania
22. Jing Dong Logistics
23. New Generation Sensors
24. NEWOPERA AISBL
25. SIRMA AI
26. PANTEIA
27. PNO Innovation
28. Blockchain Fieldlab B.V.
29. Polish National Post
30. ROHLIG SUUS LOGISTICS S. A
31. VLTN
32. Wuppertal Institute