

# 2050 Modular Development Plan for Electricity Highways Systems

*From MoDPEHS 2050.....*

*.....to e-HighWay2050*

Florence Forum 5-6/12/2011

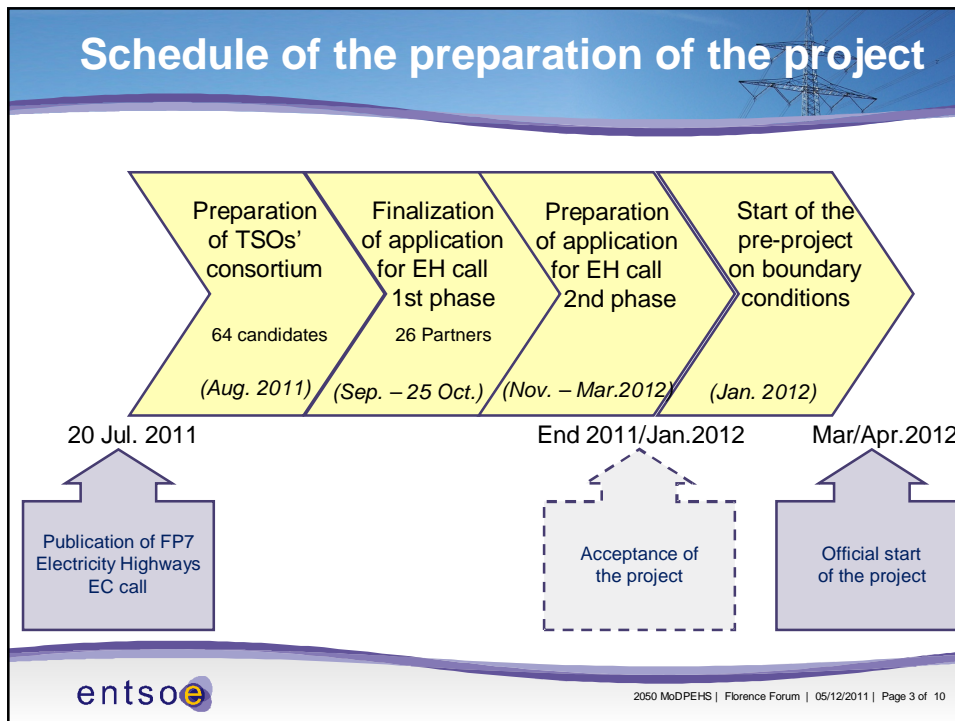


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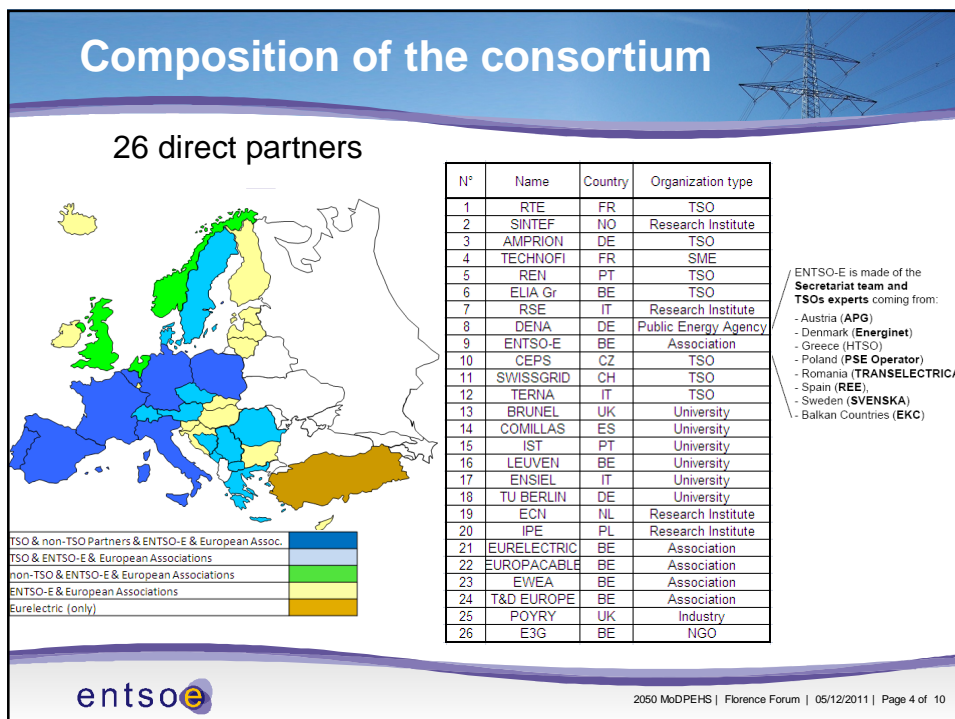


## Schedule of the preparation of the project

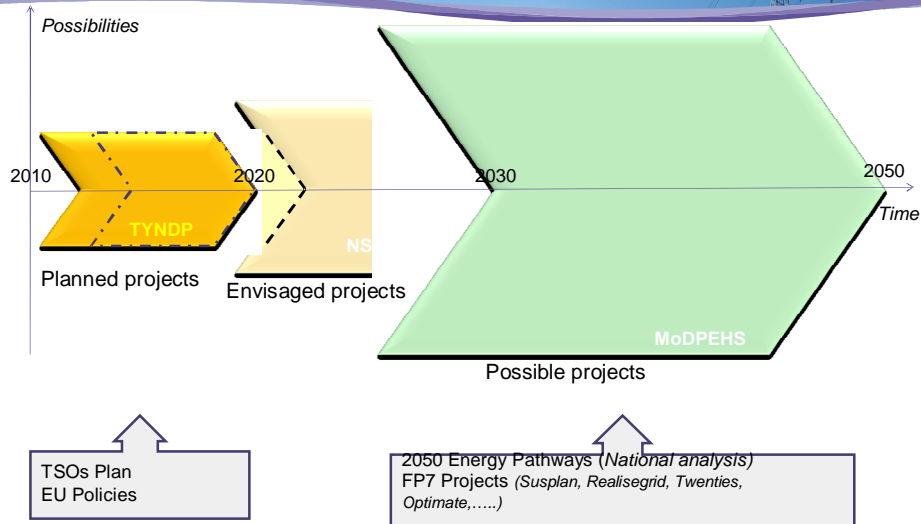


## Composition of the consortium

26 direct partners



## ENTSO-E paves the way to MoDPEHS

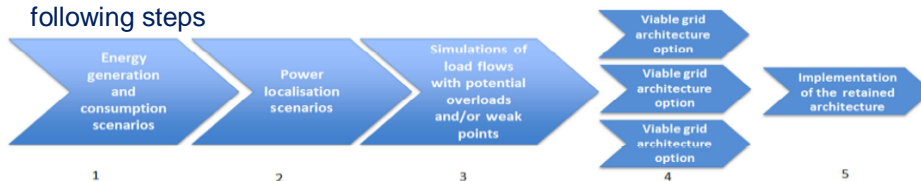


## Project application: e-Highway2050

### OBJECTIVE OF E-HIGHWAY2050

The overarching goal of the e-Highway2050 project is to develop the foundations of a modular and robust expansion of the pan-European network from 2020 to 2050 which will be required to be in line with the three European energy policy pillar.

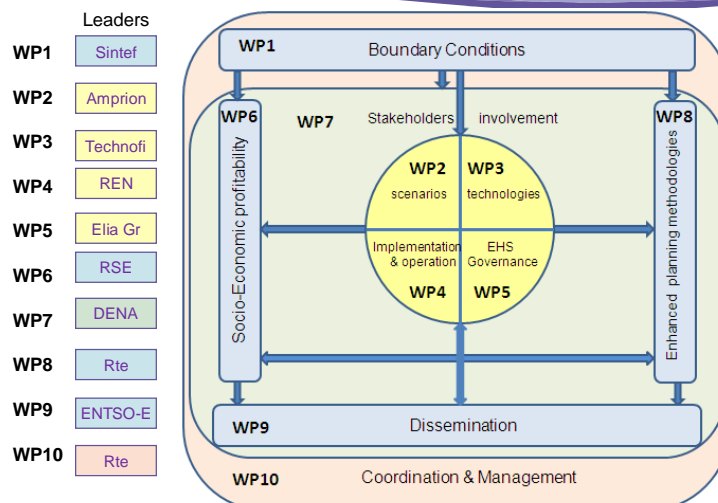
The project aims at developing mid to long term planning approaches at European level, supported by R&D activities, and implementing the 5 following steps



## Detailed objectives of the project

1. To frame the scope of an ENTSO-E **2050 transmission infrastructure plan**
2. To detail the candidate **grid architectures** able to meet the challenges of electricity markets between 2020 and 2050.
3. To validate a **portfolio of technologies**, which will impact directly or indirectly the grid architecture studies.
4. To detail the **non-technical drivers and barriers** which new grid architectures must overcome.
5. To study **the governance** issues raised by some of the candidate architectures.
6. To perform **socio-economic analyses** of the candidate grid architectures.
7. To **involve stakeholder** groups at all stages of the scenario-based planning process.
8. To **improve and experiment a long term planning methodology** able to circumvent the limitations of existing scenario-based techniques.
9. To **disseminate** the project results.

## Work packages and Leaders



## Governance of the project (1/2)

### è The General Assembly

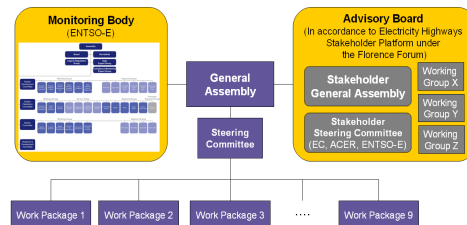
Here all consortium partners (TSOs and non-TSOs) are represented and involved in the overall project decisions.

### è The Monitoring and Advisory Body

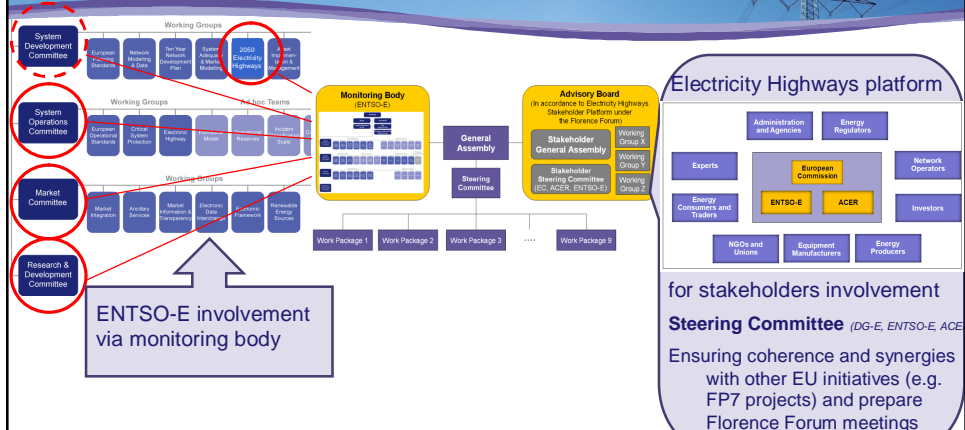
Important stakeholder involvement via the Advisory Board in accordance to EH Stakeholder Platform and the Monitoring Body (ENTSO-E) ensuring the whole TSO Community involvement into the project.

### è The Steering Committee

The technical management of the project is realised by the Coordinator and the WP Leaders.



## Governance of the project (2/2)



Effective control and monitoring measures ensure efficient working procedures of the highly complex and interrelating Work Packages.