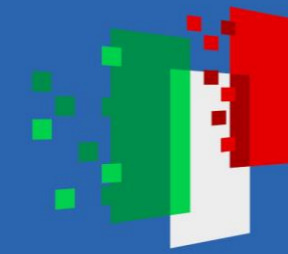




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MOST
CENTRO NAZIONALE PER LA MOBILITÀ SOSTENIBILE

26/07/2023 – Presentazione bandi a cascata Spoke 2 – Sustainable Road Vehicle

Andrea Tonoli (andrea.tonoli@polito.it)

***CN 0000023 – Centro Nazionale per la Mobilità Sostenibile
PNRR M2C4 – Inv. 1.4***



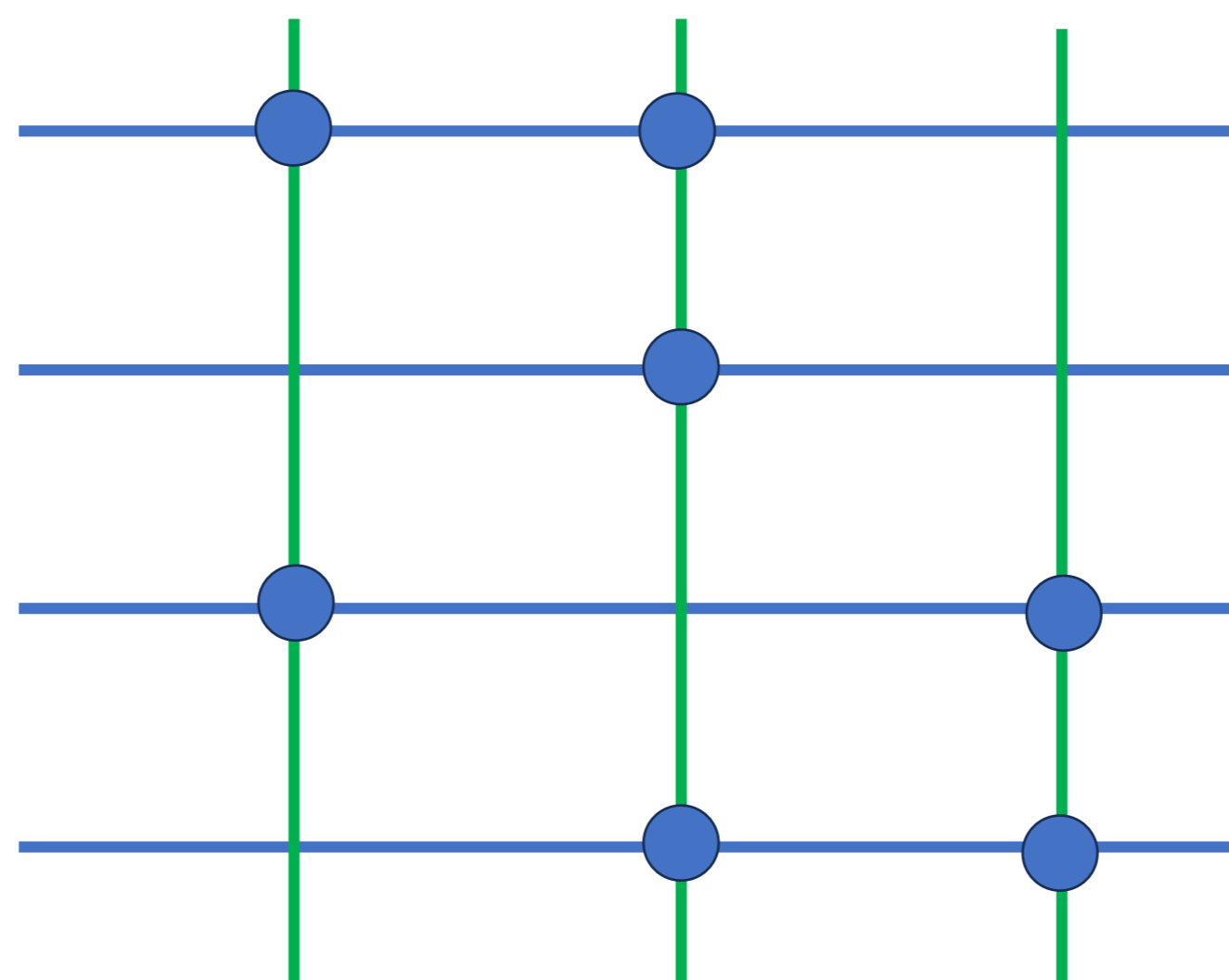
Spoke 2: actions and objectives



Obiettivi

- O1. Algorithms of energy flow management for vehicle efficiency optimization
- O2. Development of ZEV powertrain for zero emission passenger and commercial vehicles
- O3. Cloud connectivity for monitoring, diagnostics and predictive maintenance functions
- O4. Component optimization for carbon footprint reduction

Digital Green Safe

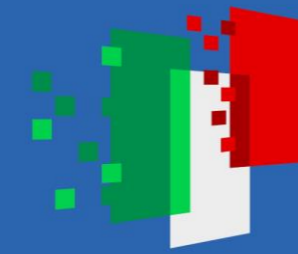




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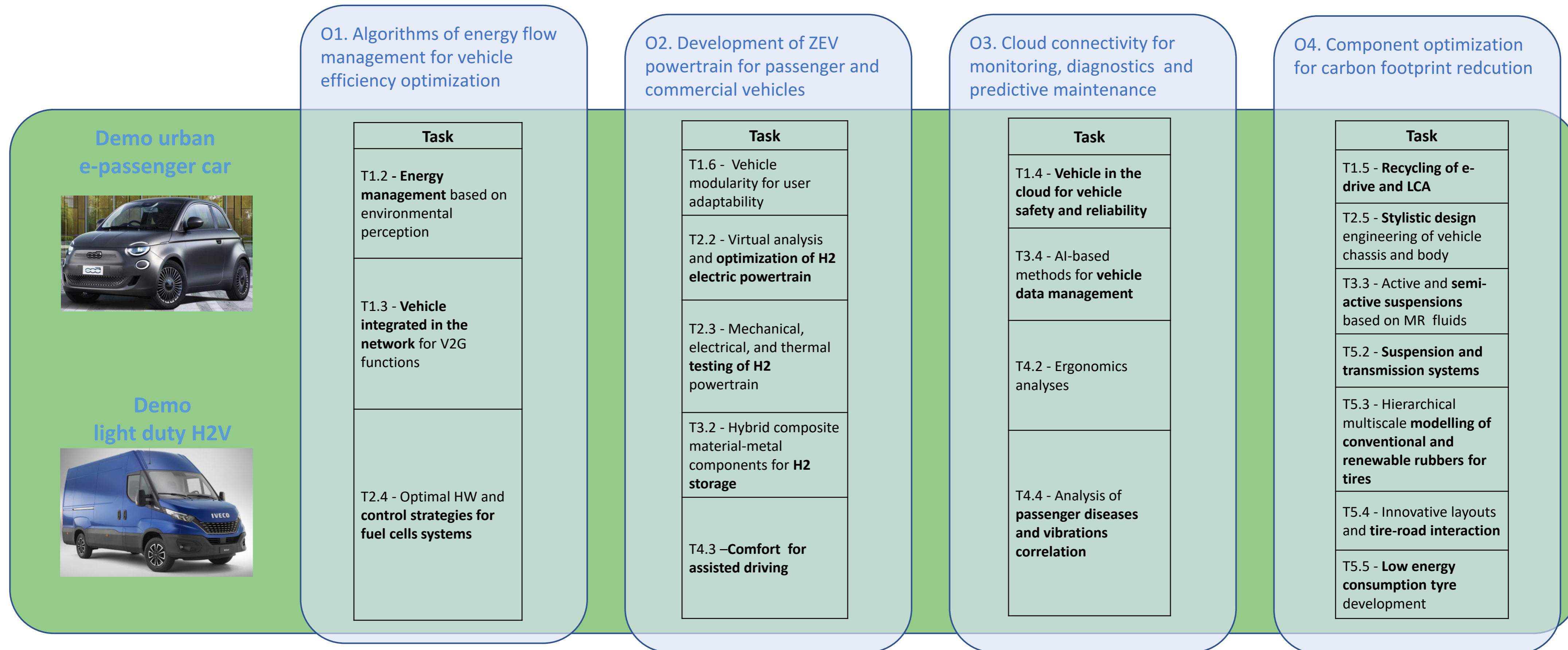
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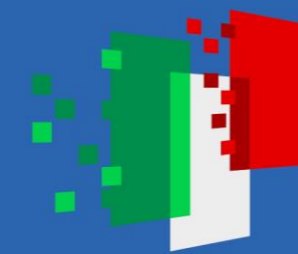


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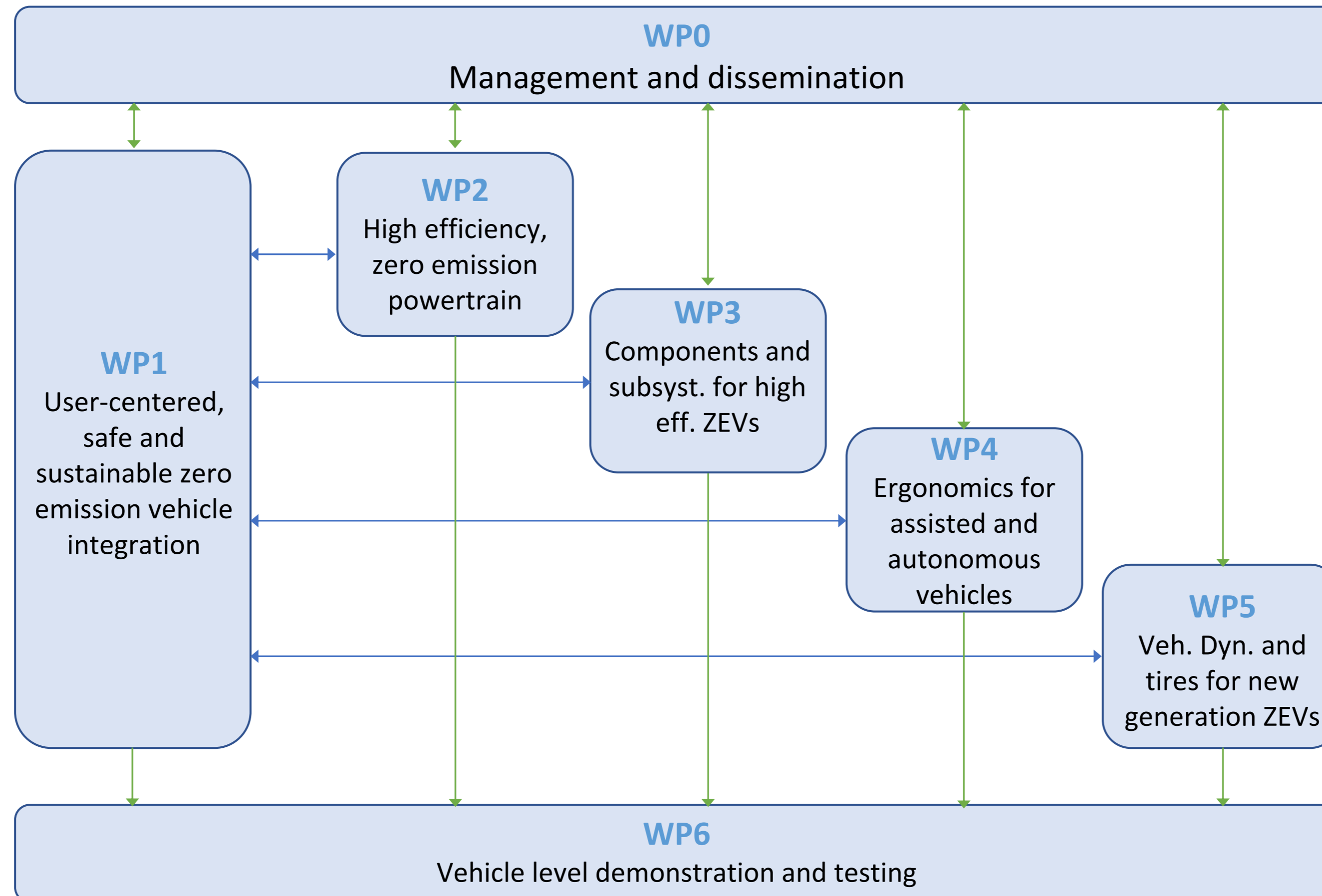
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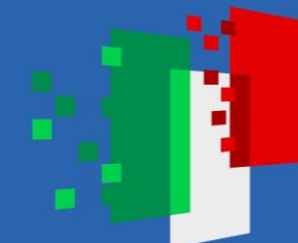
Spoke 2: activity breakdown





Spoke 2: WP structure





Spoke 2: Open calls

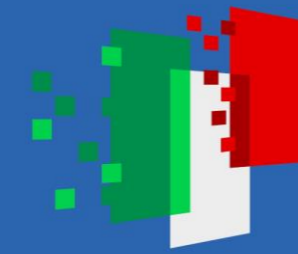
Num.	Topic	Dimensione Massima (k/€)
1	Collaborative design, realization, and testing of a 90 kW DC/DC converter for fuel cell interfacing.	218
2	Prototype Fuel-Cell Powetrain.	218
3	Fuel Cell Powertrain database information.	318
4	Modular battery energy storage system for urban passenger cars equipped with BMS.	318
5	Cloud technologies for vehicle and driver monitoring for functions of predictive maintenance and diagnostics.	318
6	Power electronics for bi-directional interaction between low voltage vehicle battery system and power grid at urban or domestic charging stations.	318



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