

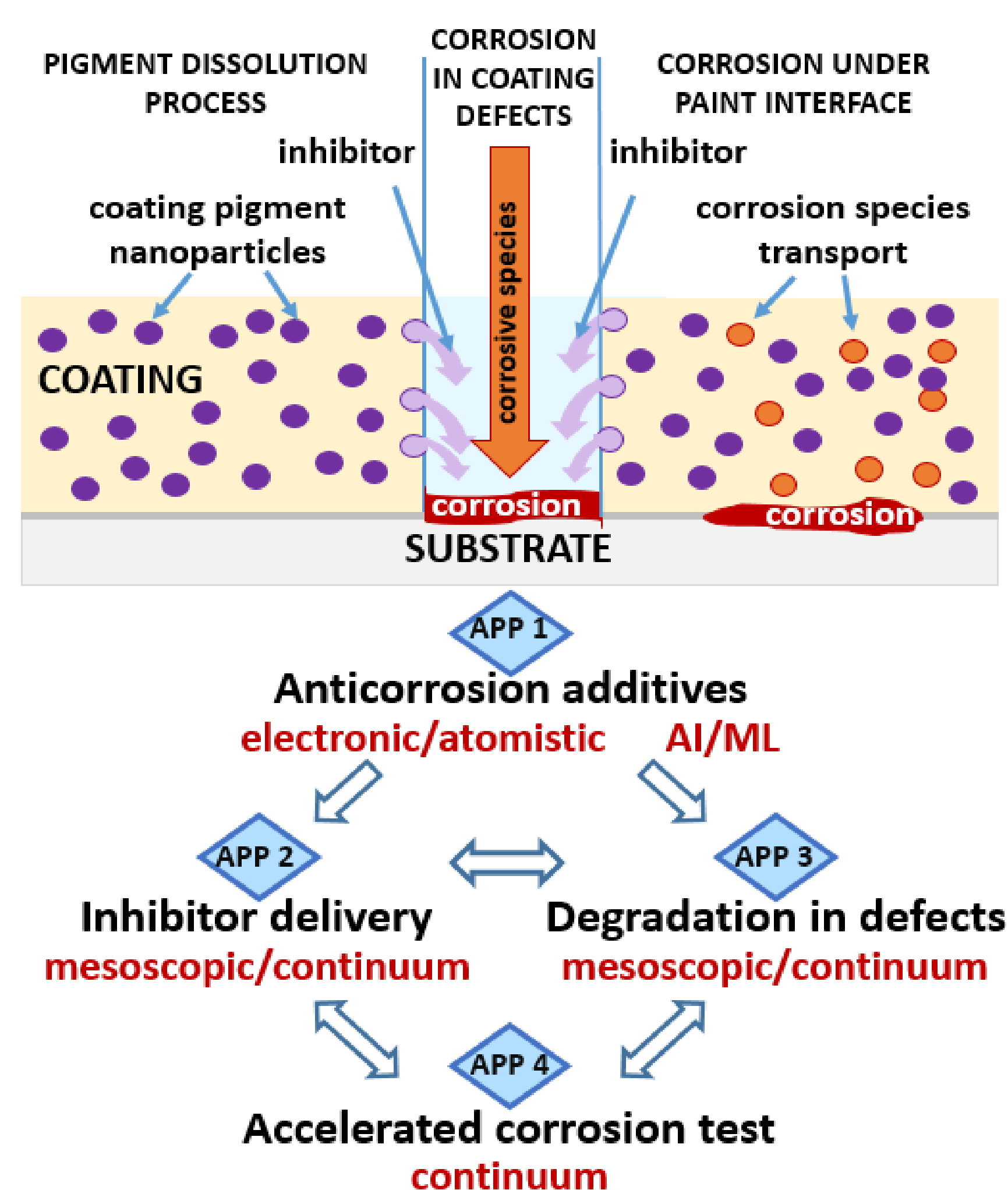


Sustainable Corrosion Protection Based on Materials Modelling and Digitalization

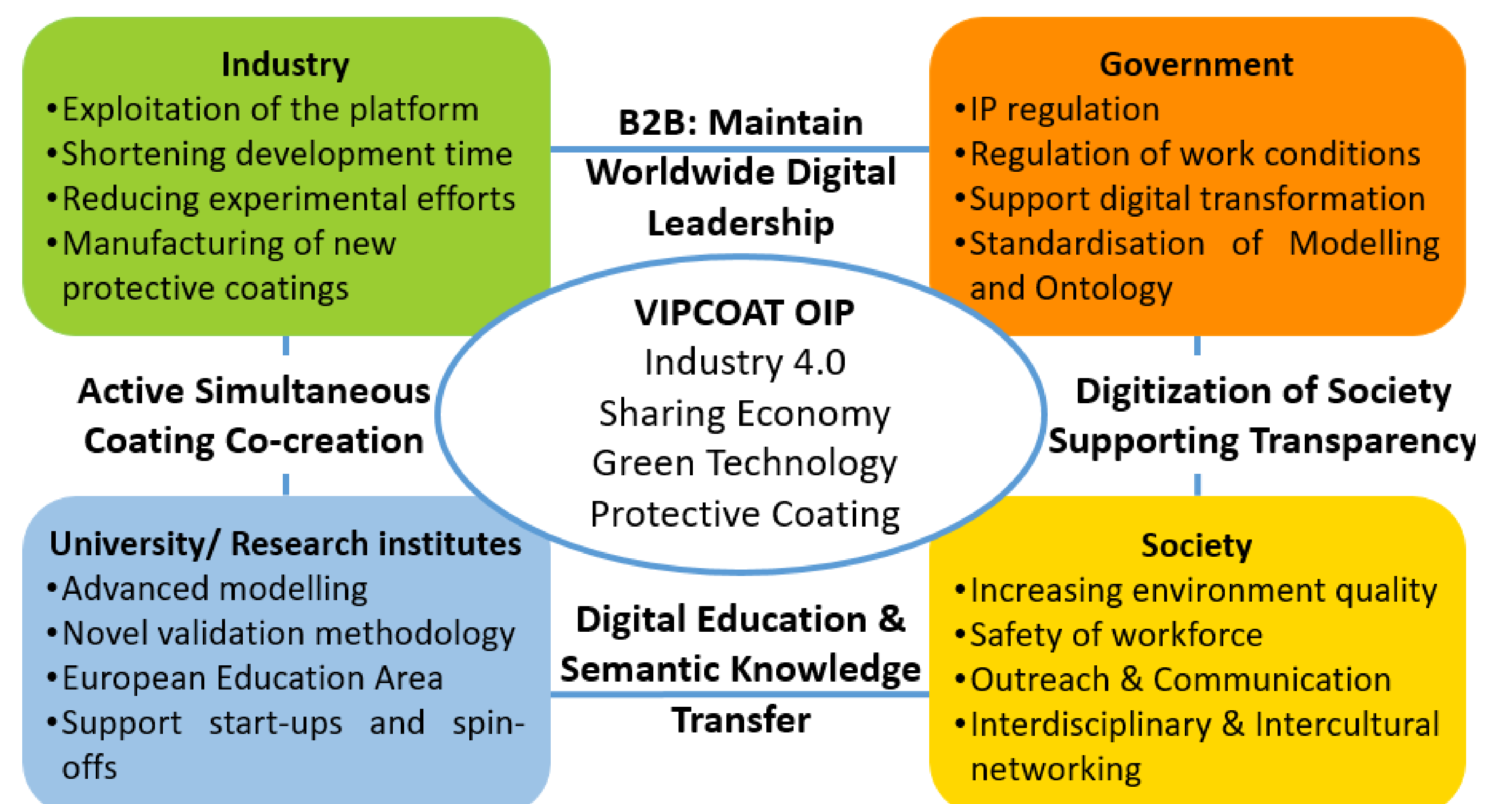
Project Objectives:

- Establish an ontology-based Open Innovation Platform for the development of inhibiting active protective coatings and accelerated corrosion tests for assessing their in-service durability.
- Develop interoperable Apps, based on standardized ontologies as extensions of the European Materials Modelling Ontology, which will enable cross industry fertilization.
- Promote the development of a green active protective coatings based on materials modelling and optimization.
- Implement Quadruple Helix Innovation Model for the project development and utilization to drive Open Innovation Process.
- Realise collaboration with Open Translation Environments, Materials Modelling Market Places and Business Decision Support Systems

Data-driven and physics-based multiscale materials modelling



Quadruple Helix Innovation Model



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