

On the way to a protective coating ontology

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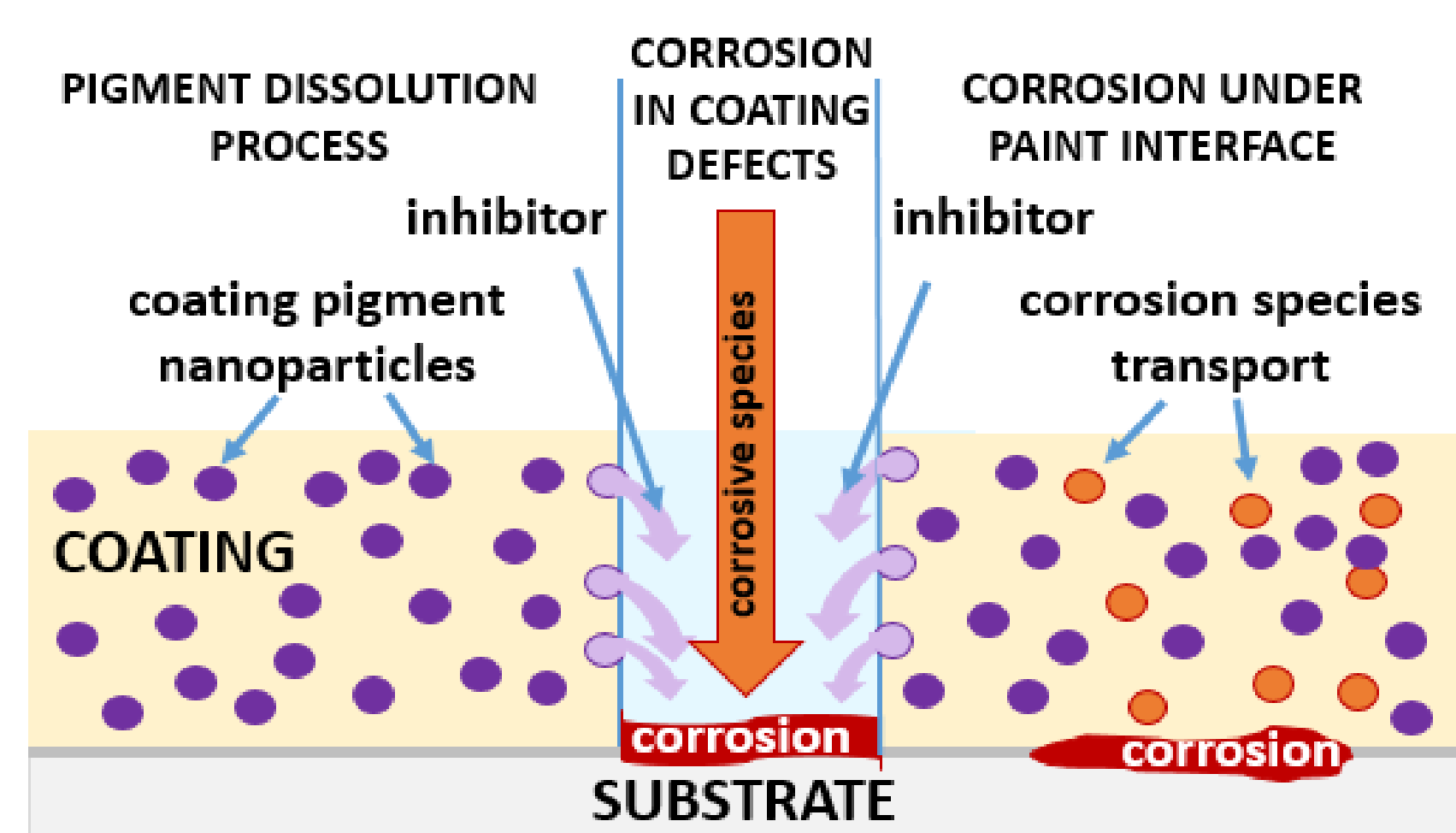
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Project Objectives:

- 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 a generic coating ontology linking to the EMMO to support industrial product design.
- Promote the manufacturing 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.
- “Automatic” cross-over* coating MODA to simulation workflow via physical topologies, OSMO, PIMSII, and EMMO to simulation workflows.
- Realise collaboration with Open Translation Environments, Materials Modelling Market Places and Business Decision Support Systems

* <http://ceur-ws.org/Vol-2969/paper26-FOMI.pdf>

Data-driven and physics-based multiscale materials modelling



From MODA to simulation workflow

