

Partners



OYSTER

http://nanolab.chemeng.ntua.gr	www.uniroma3.it	www.ul.ie/	www.npl.co.uk	www.polito.it/index.php
www.iwm.fraunhofer.de	www.thalesgroup.com	www.nanoforce.co.uk	www.nanosurf.com/en	www.cnt-ltd.co.uk
materialsmodelling.com	innovation-res.eu	www.spectrum-instr.com	www.molecularplasmagroup.com	

Open characterisation and modelling environment to drive innovation in advanced nano-architected and bio-inspired hard/soft interfaces

Contact

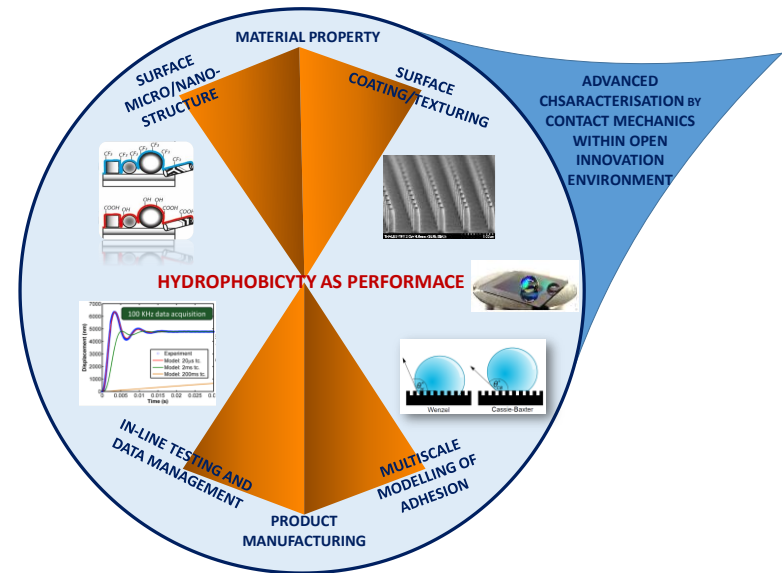
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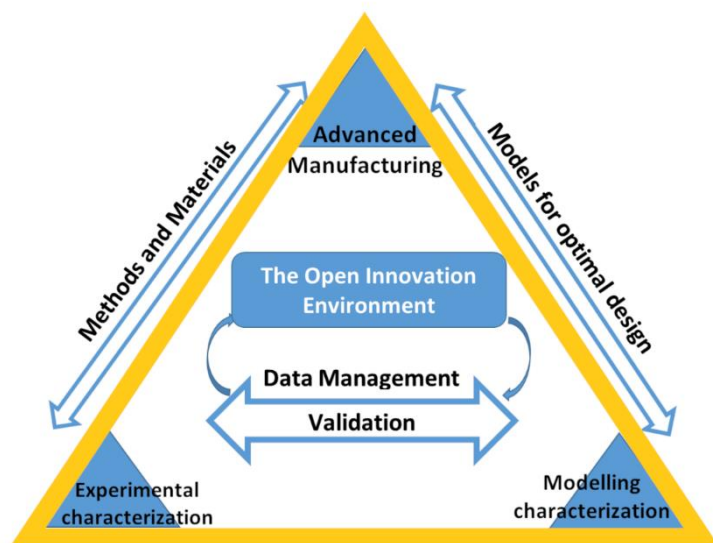


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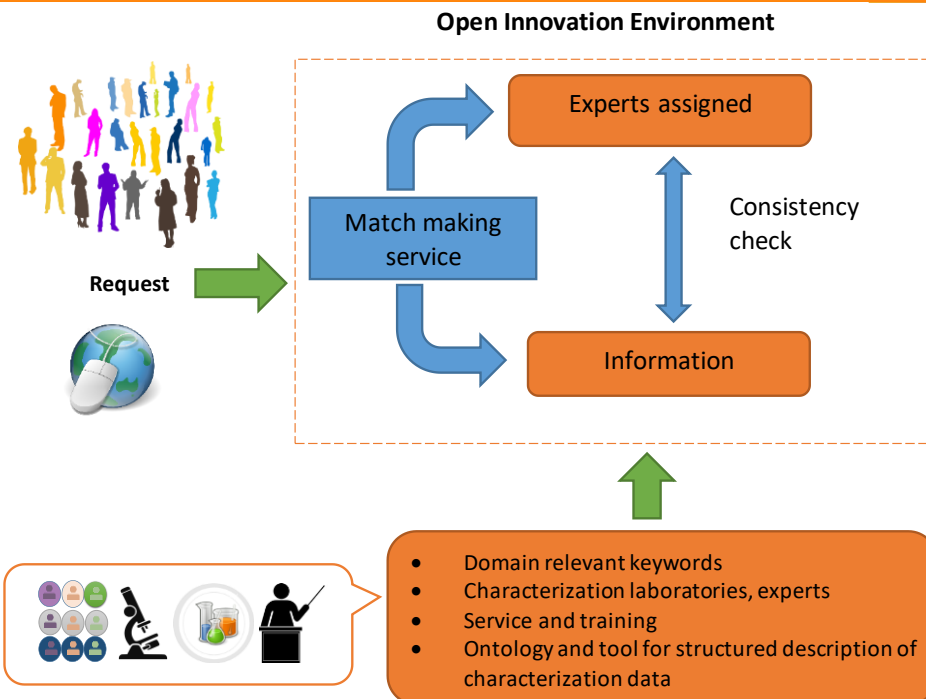
Project Overview

OYSTER Open characterisation and modelling environment to drive innovation in advanced nano-architected and bio-inspired hard/soft interfaces

- OYSTER uses contact mechanics to bridge adhesion data at multiple length scales and link interfacial adhesion to physicochemical properties.
- OYSTER brings Europe's first-class laboratories and SMEs to take existing nanoscale characterisation technologies towards widespread utilisation in process optimisation and model validation.
- OYSTER achieves this by sharing metadata in an Open Innovation Environment (OIE), where new paradigms of multi-scale contact mechanics are validated on selected application oriented reference materials through continuous interaction with the European Materials Characterisation Council (EMCC).



Open Innovation Environment



Link to....

- Laboratories, experts, networks
- EMMC marketplace
- Training services
- Metrology Institutes and standardization committees
- Data provider/producer

Information on

- Suitable and available characterization techniques
- Best practice examples, guidelines, standard protocols
- Open Data repositories
- Tools for metadata description