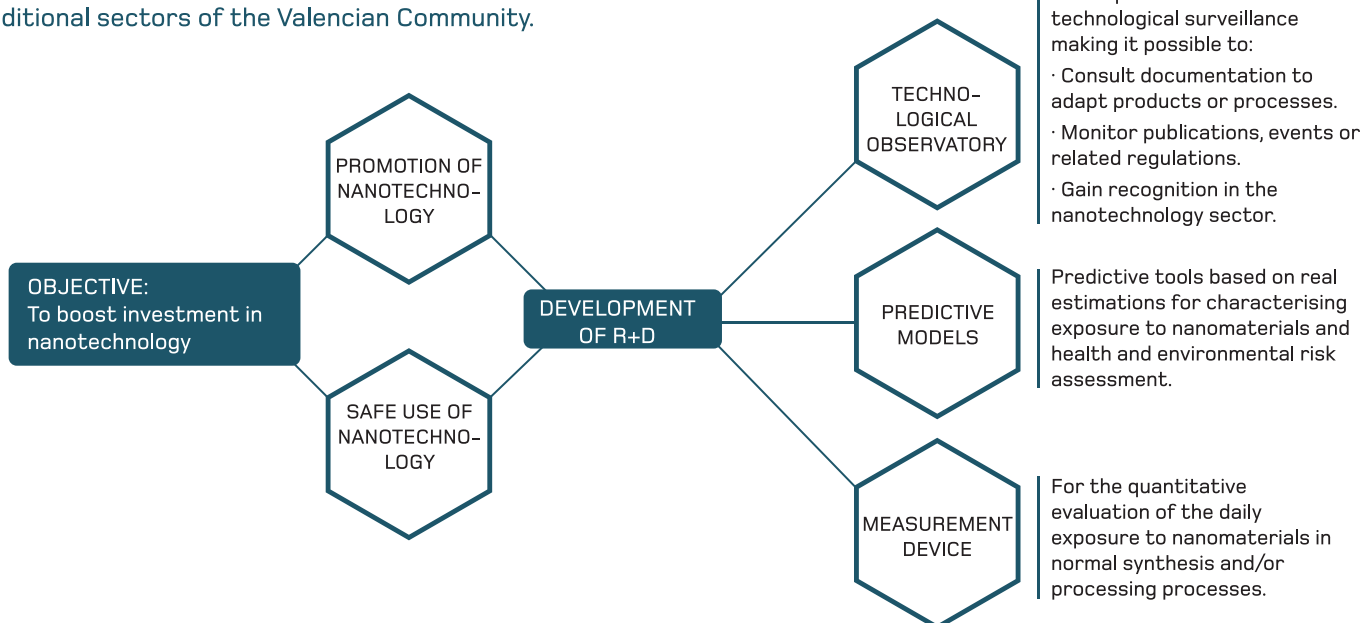


nan IMPULSA



Development of information, modelling and sensorisation systems to boost the application of nanotechnology and safe use of nanomaterials in traditional sectors of the Valencian Community.



SCOPES OF APPLICATION

Plastic (including packaging); Ceramic products; Construction; Textile industry; Cosmetics / Household products; Inks, putties, paints, varnishes and coatings; Chemical industry; Biotechnology; Automotive industry; Footwear; Non-ceramic materials; Renewable energies.



Project funded by IVACE, the Valencian Institute for Business Competitiveness of the Generalitat Valenciana, through the European FEDER Regional Development Funds, within the framework of the aid programme aimed at technological centres with the IMDEEA/2017/87 and IMDEEA/2017/96 records.



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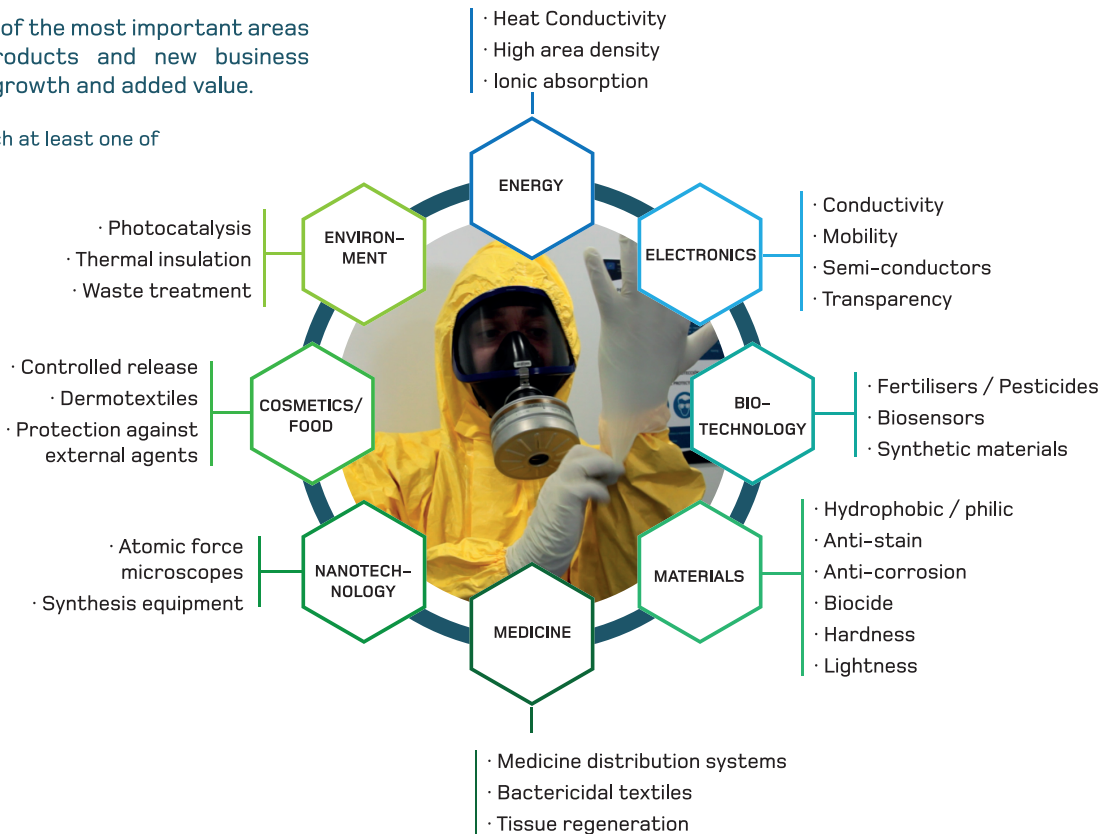
IVACE
INSTITUTO VALENCIANO DE
COMPETITIVIDAD EMPRESARIAL

UNIÓN EUROPEA
Fondo Europeo de
Desarrollo Regional
Una manera de hacer Europa

NANOTECHNOLOGY

Nanotechnology is considered one of the most important areas in the development of new products and new business opportunities in markets of high-growth and added value.

Nanomaterials (NMs): materials in which at least one of their dimensions is less than 100 nm.



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IMPULSA

WHY?

The objective is to inform the Valencian industrial sector of the characteristics and technologies of processing with nanomaterials, as well as to provide tools that allow its use and sustainable production, free of risks for health and the environment.

OUTPUTS

EXPOSURE MODELING

Refinement of existing models to predict exposure to nanomaterials, focused on relevant production processes for companies in the Community, with the aim of promoting their safe use.

EVALUATION OF THE EXPOSURE TO NMs IN INDUSTRIAL PROCESSES

Risk assessment for nanomaterials in representative companies of the Valencian Community through measurements, to verify the implementation of best practices and the safe and sustainable use of nanotechnology.

ONLINE PLATFORM (NANOIMPULSA)

A free, open-access, online tool that works as a nanotechnology observatory for companies in the Valencian Community, where it is possible to consult features, news, publications and information relevant to production processes with selected nanomaterials within the Valencian Community.

A database for businesses or centres that manufacture, functionalise or incorporate nanomaterials in their production, to interconnect them and promote their use.

A best practices guide relating to the use of nanomaterials to promote safe and efficient production of nanotechnology.

www.nanoimpulsa.es

MEASUREMENT SYSTEM

Development of a device to measure the concentration of nanomaterials in a low cost and easy-to-use environment to promote risk assessment and the effectiveness of the implementation of containment measures.

Development of real-time data capture and interpretation software in a simple, autonomous way and available in multiple platforms to facilitate the assessment of the safe use of nanomaterials and promote on-site measurements.

