

# HORIZON 2020

Horizon 2020 is the biggest EU Research and Innovation programme ever with nearly €80 billion of funding available over 7 years (2014 to 2020). By coupling research and innovation, Horizon 2020 has its emphasis on excellent science, industrial leadership and tackling societal challenges, utilising a combination of key enabling technologies with nanotechnology at the forefront.

## Why the IOM is Your Partner of Choice

The IOM has an international reputation in addressing chemical- and nanotechnology-risk through our expertise in safety and risk assessment in support of industrial innovation, with unparalleled experience in over 35 EC Framework projects.

As both an SME and research organisation, we have unique and extensive experience with the potential risks from particles and fibres invaluable to the assessment of novel advanced materials. Our laboratory, workplace instruments and Standards-based approach is of proven utility in assessing and mitigating hazards, exposures and risks across the life cycles and value chains of technological innovation.

IOM has a track record in coordinating and delivering safety and risk workpackages tasked with developing and validating responsible practice in R&D, manufacturing and applications across a variety of sectors including advanced composites, energy storage, coatings & paints, and packaging, amongst others. We also address cross-cutting *expected impacts* such as:

### Supporting Policy

IOM is a WHO Collaborating Centre in Occupational Health and is contracted to provide reviews for policy support on emerging occupational health issues for the European Commission and European Parliament.

### Supporting Standardisation

IOM is an invited expert on ISO Technical Committee 229 (Nanotechnologies), specifically within Working Group 3 (Health, Safety and Environmental Aspects of Nanotechnologies), and is represented on the committee of the nanotechnologies project group of the British Standards Institute (BSI NTI/1).

### Supporting European Technology Platforms & Cluster Activities

IOM is an active member of the Cross-cutting Nanofutures ETP and the Nano-Safety Cluster, where we contribute to the Working Groups on Risk, Standardisation, and Industrial Innovation Liaison.

## NANOSAFETY IN H2020

Within H2020 call texts, a strong emphasis is placed on proactive and responsible research and innovation to support the realisation and commercialisation of projects, where the demonstration of nanotechnology safety is embedded in the NMBP work programme. Call text examples include:

"...valid identification of the potential hazards...together with monitoring and reduction of the risk that these new technologies pose"

"...is expected to address related ethical and health and safety concerns"

"...sustainability aspects in the whole life cycle of the final products should be taken into account"

"...particular attention should be paid to supporting safer-by-design practices"

"...expected to actively contribute to the nano-safety cluster and standardisation efforts"

Source: H2020 NMP Work Programme 2016 - 2017

## OUR COMPANY

The Institute of Occupational Medicine (IOM) is one of the leading providers of workplace health research, consulting and services. Our expertise extends across a very wide range of disciplines.

We have a reputation for high quality, authoritative and independent measurement, surveys and reporting, which we undertake for hundreds of clients – large and small – each year.

Today, IOM is one of a select few internationally recognised authorities on workplace health around the world.

## CONTACT

William Brown  
Tel: +44(0)131 449 8072  
william.brown@iom-world.org