

# Functional Materials for a Sustainable Innovative Industry

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Today science is essential to enable comfort and welfare, as well as prosperity to regions and countries. This implies fostering the creativity of scientists and consequent innovations to support the current societal challenges. In this respect, advanced materials offer a variety of solutions that are based on the idea that “Materials are everywhere even in our body!”. Within these solutions, it is vital to consider the reuse of residues, recycling and circularity to serve a Green Agenda and bring an eco-sustainable environment, as we do not have a planet B as alternative solution!

In this regard, the future of our planet will have advanced materials at the heart of our progress and cannot be thought of as an isolated cluster. In fact, the role of advanced materials is to foster several economic sectors, by exploiting materials on their multiple latitudes to provide outstanding structural and functional applications of materials, particularly by understanding the nanoscale, as this is the scale by which the digital, bio and physical worlds can communicate and interact.

The aim of this presentation is to contribute towards the future, where advanced materials are the driven force for the societal and economic sustainable transformations required for a plethora of applications, namely in the fields of electronics, energy, and health.