Opportunities for Nanotechnology and Nanomaterials in Horizon2020

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Horizon2020 is the biggest EU Research and Innovation programme ever with nearly €80 billion of funding available over seven years (2014-2020).
In this programme, Nanotechnology is recognised as one of the Key Enabling Technologies (KETs), with applications in multiple industries and which can help to tackle the societal challenges. However, the market uptake of nanotechnology and nanomaterials has still some technology and regulatory barriers to overcome.

Horizon2020 is arriving at its final phase, with its last work programme 2018-2020 launched in October last year. Opportunities for Nanotechnology can be found mainly in the thematic area NMBP(Nanotechnologies, Advanced Materials, Biotechnology and Advanced Manufacturing and Processing), which in this last WP has a call titled "Foundations for tomorrow´s industry", with a total budget of €395 M. This call is devoted to facilitate the arrival to the market of innovations, creating an effective innovation ecosystem, as long as growth and jobs. A new concept, the *Open Innovation Test Beds*, will establish a network of infrastructure and services for the design, development, testing, and upscaling of nanotechnology and advanced materials. Characterisation, computational modelling, risk assessment and regulatory aspects can also be found in this call.

Horizon2020 gives excellent opportunities for collaborative research, and, beyond funding, for internationalization and gaining recognition and an outstanding position at a European level.

References

[1] https://eshorizonte2020.es/
[2] Horizon2020 Work Programme 2018-2020. Annex 5ii. NMBP http://ec.europa.eu/research/participants/data/ref/h2020/wp/2018-2020/main/h2020-wp1820-leit-nmp_en.pdf

Figures

Figure 1: Horizon2020 is the European Program for research and innovation (2014-2020).

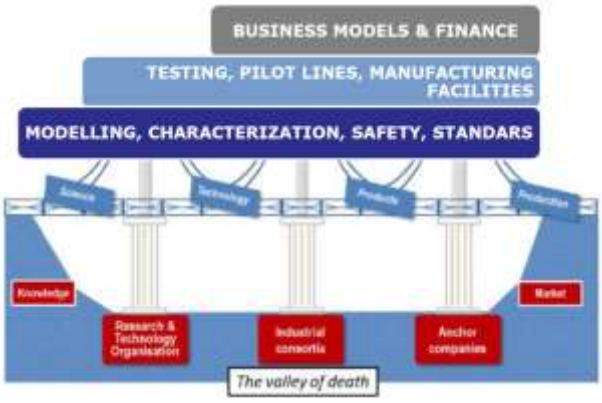

Figure 2: Bridging the valley of death by means of addressing specific aspects for nanomaterials engineering and upscaling.