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MINISTERIO DE ECONOMÍA, INDUSTRIA Y COMPETITIVIDAD

CDTI Centro para el Desarrollo Tecnológico Industrial

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Área 7: Biodiversity and ecosystem services

Área 8: Zero-pollution, toxic free environment

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LC-GD-7-1-2020: Restoring biodiversity and ecosystem services

- Support the development of specific demand and supply chains in restoring ecosystems on land or at sea
- Demonstrate and test how restoration activities and socio-ecological management of ecosystems enable sustainable, climate-neutral and climate-resilient, inclusive, transformative approaches, including across the bioeconomy
- Promote scaling up and stepping up of implementation of NBS
- Showcase how restoring ecosystems at large scale will also help human communities to adapt to changing conditions at their local level, and how restoration activities can be integrated into economically and socially viable land use practices

Solutions should:

- Developing a scalability plan
- Setting baselines, goals and a monitoring framework for the projects

- Promote innovative funding, cross-sectoral collaborations and social participation to support the design, implementation and monitoring of sustainable and effective restoration efforts.
- International cooperation is encouraged

- Project consortia must evidence that they have the rights to undertake actions on the areas to be restored. No land purchase or lease can be funded under this topic
- 16-25 m€ / 80 m€: 3-5 projects
- Innovation action

Projects results are expected to contribute to:

- Maintained and enhanced natural carbon sinks and reduced greenhouse gas emissions through the important role of biodiversity
- the objectives of the European Green Deal, including the EU commitment to reduce emission by 50-55% by 2030 and become net carbon-neutral by 2050
- Increased restoration through uptake of public-private partnerships and (voluntary) market-based incentives for business
- Enhanced empowerment, engagement and reconnection of local communities with nature and increased social awareness on restoration actions, and their benefits

LC-GD-8-1-2020: Innovative, systemic zero-pollution solutions to protect health, environment and natural resources from persistent and mobile chemicals

To establishing new knowledge, exploring the feasibility of new or improved technologies and demonstrating innovative solutions to protect health, environment and natural resources from persistent and mobile chemicals

- Projects are expected to advance knowledge on health impacts and environmental effects and to address and preferably prevent a specific pollution problem involving contamination of environmental resources (such as soil, sediments, air, food and drinking water).
- They should also lead to better understanding of environmental fate and help proactively prevent negative impacts from persistent and mobile chemicals (and, where relevant, their precursors) on humans and the environment.
- The projects may include appropriate technologies, business, governance and social innovation aspects and the demonstration of innovative solutions in a relevant environment (TRL 4-6).
- Projects may consider analytical methods and monitoring, enabling to quantify entire groups of persistent and mobile chemicals in food, soil or drinking water.
- 8-12 m€ / 40 m € : 3-5 projects
- RIA

Projects results are expected to contribute to:

- Provide a foundation for prevention and mitigation solutions based on better understanding the sources and distribution of the targeted chemicals
- Provide solutions and support decision making for addressing large-scale diffuse contamination of water and soil with persistent and mobile chemicals
- Contribute to achieving a toxic-free environment through solutions for better load reduction, (bio)remediation and detection technologies, including real time monitoring approaches
- Improve risk assessment

LC-GD-8-2-2020: Fostering regulatory science to address combined exposures to industrial chemicals and pharmaceuticals: from science to evidence-based policies

This topic calls for applied research studies, demonstrating how new tools and methodological approaches from regulatory science can be applied to identify, quantify and prevent harmful co-exposures to industrial chemicals and pharmaceuticals.

- Development of innovative tools and analytical methods to detect and measure complex mixtures
- Comparisons of different possible regulatory approaches to manage unintentional chemical mixtures
- Develop and apply modelling, statistical approaches and other relevant methods to identify and study the health impacts on human populations and the environment of exposures to combinations of different chemicals
- The possible effects on humans, in particular on vulnerable sub-populations, from combined (chronic) exposure to low levels of pharmaceuticals via the environment
- Development, improvement and validation of models for predicting (chronic) exposure to combinations of chemicals, which can be applied in a premarket stage and possibly already at the design phase of chemicals and materials
- 4-6 m€ / 20 M€: 3-5 projects
- RIA

Projects results are expected to contribute to:

- Scientific evidence to enable prevention and/or mitigation of co-exposure to pharmaceuticals and industrial chemicals in the environment and the technosphere.
- Support the implementation of existing risk assessment and risk management approaches to reduce the most critical exposures

Selected projects under this topic are strongly encouraged to continuously share information and participate to joint activities to optimise synergies to address policy-relevant knowledge gaps.

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