

# A quick glance at the EU's Green Deal

EC-BE NCP webinar session – 9<sup>th</sup> of september 2020



# General introduction to the call

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NCP FLANDERS





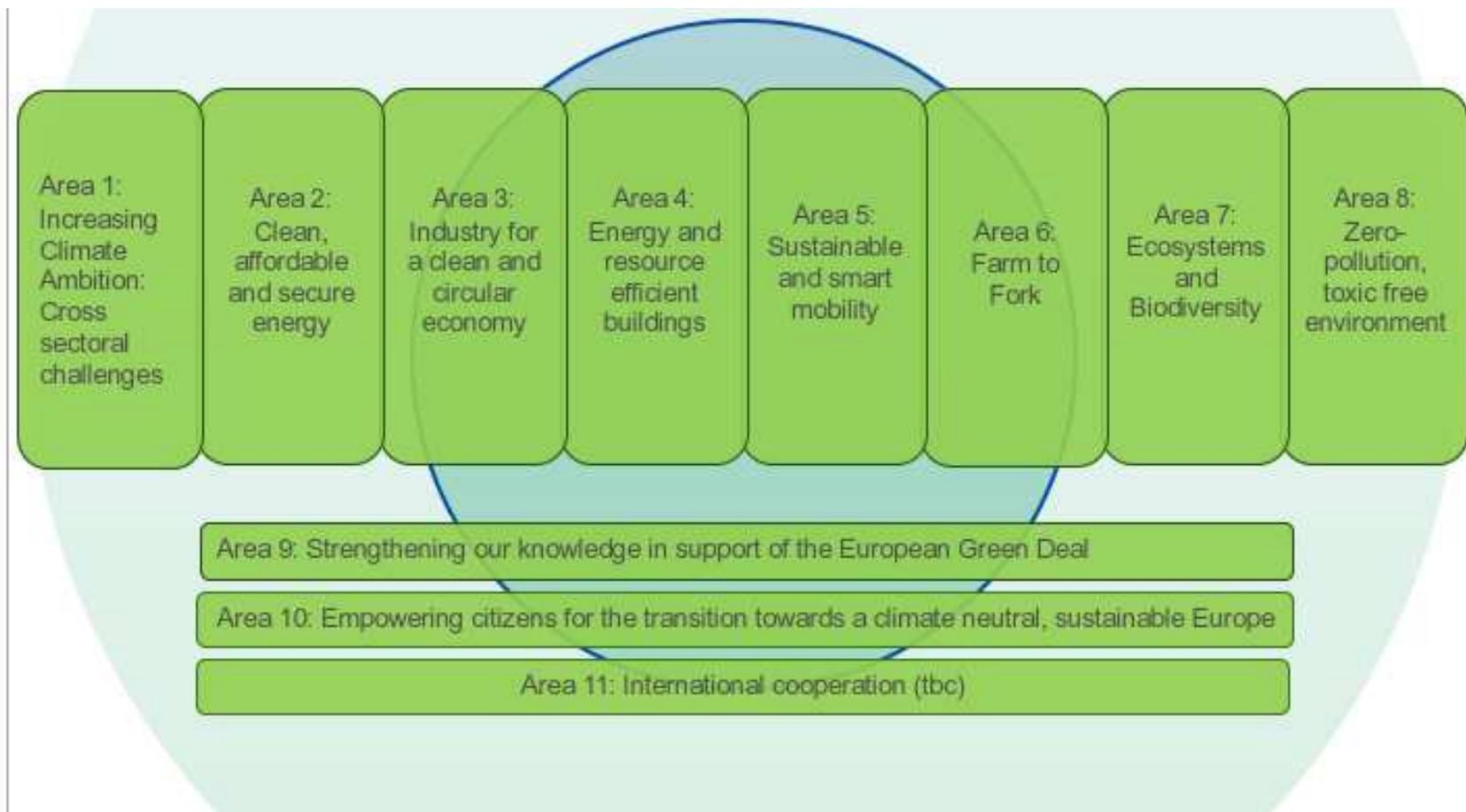
## BE NCP Disclaimer:

**the content of this presentation may not entirely reflect the EU Green Deal Call to be published on 18 September**

# A call to implement the European Green Deal



# Green Deal call structure



# A cross-cutting call focusing on impact

- Producing tangible results visible to citizens
- Limited number of topics
- Higher TRL, many innovation actions
- Almost 1bn EUR, mostly for grants



#EUGreenDeal

#InvestEURresearch



# Cross-cutting: Social Sciences and Humanities

## Area 1: Increasing Climate Ambition: Cross sectoral challenges

LC-GD-1-2-2020: Towards Climate-Neutral and Socially Innovative Cities

LC-GD-1-3-2020: Climate-resilient Innovation Packages for EU regions

## Area 4: Energy and resource efficient buildings

LC-GD-4-1-2020: Building and renovating in an energy and resource efficient way

## Area 9: Strengthening our knowledge in support of the EGD

LC-GD-9-1-2020: European Research Infrastructures capacities and services to address European Green Deal challenges

LC-GD-9-3-2020: Transparent & Accessible Seas and Oceans: Towards a Digital Twin of the Ocean

## Area 10: Empowering citizens for the transition towards a climate neutral, sustainable Europe

LC-GD-10-1-2020: European capacities for citizen deliberation and participation for the Green Deal

LC-GD-10-2-2020: Behavioural, social and cultural change for the Green Deal

LC-GD-10-3-2020: Enabling citizens to act on climate change, for sustainable development and environmental protection through education, citizen science, observation initiatives, and civic engagement

# Cross-cutting : international cooperation

Topic	international cooperation
LC-GD-1-1-2020: Preventing and fighting extreme wildfires with the integration and demonstration of innovative means	United States, Canada, Australia, Russia, Japan, Brazil, South America, Indonesia, and South Africa
LC-GD-2-3-2020: Accelerating the green transition and energy access Partnership with Africa	As the demonstration installation will be located in Africa, relevant African partners have to participate in the implementation of the project. A balanced consortium between European and African partners will be considered an asset in the evaluation.
LC-GD-5-1-2020: Green airports and ports as multimodal hubs for sustainable and smart mobility	encouraged
LC-GD-3-1-2020: Closing the industrial carbon cycle to combat climate change - Industrial feasibility of catalytic routes for sustainable alternatives to fossil resources	encouraged
LC-GD-6-1-2020: Testing and demonstrating systemic innovations for sustainable food from farm to fork	encouraged
LC-GD-7-1-2020: Restoring biodiversity and ecosystem services	encouraged
LC-GD-9-1-2020: European Research Infrastructures capacities and services to address European Green Deal challenges	encouraged
LC-GD-9-3-2020: Transparent & Accessible Seas and Oceans: Towards a Digital Twin of the Ocean	encouraged
LC-GD-10-1-2020: European capacities for citizen deliberation and participation for the Green Deal	encouraged
LC-GD-10-2-2020: Behavioural, social and cultural change for the Green Deal	Encouraged + A balanced overall coverage of EU Member States and Associated Countries should be sought.

# UK Participation in Horizon 2020 Green Deal

- UK organisations are fully eligible to participate and receive funding in Green Deal Call.

- European Commission:

*The Withdrawal Agreement, as agreed between the European Union and the United Kingdom, entered into force on 1 February 2020. In overall terms, on the basis of the Withdrawal Agreement, the UK-based legal entities will continue to be **fully eligible to participate and receive funding** in the current 2014-2020 EU programmes, including **Horizon 2020**, as if the UK were a member state until the closure of **these programmes**, unless security considerations apply. This means that UK beneficiaries can continue – without interruption – to receive grants awarded under the current and previous multiannual financial frameworks (MFFs) until their end dates, even if these are after 2020.*

- For any questions around this, or for help identifying possible UK partners, please contact Stephen Alexander, the UK National Contact Point for Legal and Financial matters [stephen.alexander@innovateuk.ukri.org](mailto:stephen.alexander@innovateuk.ukri.org)

# Calendar

- 19/5-3/6/2020 : Public consultation
- 18<sup>th</sup> September : Formal decision and call-opening on Funding & Tender Portal <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-search>
- 22-24/9 : R&I Days <https://research-innovation-days.ec.europa.eu/>
  - infoday on 23/9 pm with presentation of topics
  - Workshop about the political background on 24/9 am
- 26<sup>th</sup> January 2021: Call deadline (single stage)
- Autumn 2021: Project starts

# Types of actions

Type d'action	Minimum number of partners	Cofinancing rate	Average length	TRL	Goal
10 Research and innovation actions (RIA)	≥ 3 legal entities from 3 Member States	100%	36-48 months.	1-5	Collaborative research projects
14 Innovation actions (IA)		100% (not for profit) 70% (for profit)	30-36 months.	4-8	Produce plans, modalities and design for new or improved products, processes or services
2 Coordination and support actions (CSA)	Minimum 1 legal entity	100%	12-30 months.	Not R&I	Support measures (standardisation, dissemination, policy dialogue etc;...)



# Technology Readiness Levels

- TRL 0: Idea.** Unproven concept, no testing has been performed.
- TRL 1: Basic research.** Principles postulated and observed but no experimental proof available.
- TRL 2: Technology formulation.** Concept and application have been formulated.
- TRL 3: Applied research.** First laboratory tests completed; proof of concept.
- TRL 4: Small scale prototype** built in a laboratory environment ("ugly" prototype).
- TRL 5: Large scale prototype** tested in intended environment.
- TRL 6: Prototype system** tested in intended environment close to expected performance.
- TRL 7: Demonstration system** operating in operational environment at pre-commercial scale.
- TRL 8: First of a kind commercial system.** Manufacturing issues solved.
- TRL 9: Full commercial application,** technology available for consumers.

# Evaluation criteria

## Excellence

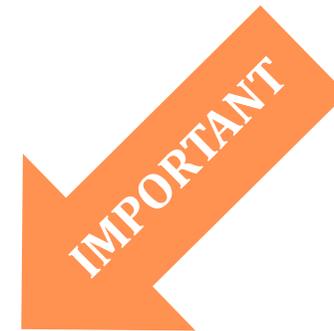
- Clarity of objectives
- Solidity of concept, including transdisciplinary considerations
- Credibility of the proposed approach
- Progress beyond the state of the art

## IMPACT

- Expected impact evidenced in the Program of Work
- Increasing innovation capacity and integrating new knowledge
- Strengthen competitiveness and business growth by developing innovation that meets the needs of European and global markets
- Measures to disseminate and exploit results (dissemination, communication, exploitation of results, ...)

## IMPLEMENTATION

- Coherence and effectiveness of the work plan (including the description of the work packages) ...
- assignment of tasks, resources
- Competence, experience and complementarity of the participants and the consortium
- Adequacy of management structures and procedures ... risk management and contingency plans



# Internal structure - topics

## Specific challenge

Context, problems, intervention rationale

## Scope:

Key informations about what is expected from the project but not in details about "how"  
> Info to look for partners

## Expected impacts

What your project should aim at (and reach as much as possible)

Topic reference and year of funding

BC 6 - 2014: Delivering the sub-sea technologies for new services at sea

## Specific challenge

The development of a new maritime economy necessitates tackling a number of challenges. One such challenge is the ability to remotely execute underwater operations ranging from simple observation / data collection and transmission of information to more complex industrial operations. Technologies derived from marine research (Remotely Operated Vehicles - ROVs, Autonomous Underwater Vehicles - AUVs) must be further improved, industrialised, i.e. made more robust, cost-effective, reliable and sophisticated (in terms of operating capabilities) and with increased autonomy. Another challenge is the ability to operate at even higher depths (down to 6,000m), and in extreme conditions (e.g. Arctic regions, with corrosive products, heavy / viscous liquids, high pressure - high temperature systems, etc.). The control of the potential impact on the environment of these activities is also important.

## Scope

Projects should address the innovative design of new underwater vehicles and robots and their main components required to work undersea. If relevant, proposals could go to the stage of demonstrators or prototypes. The areas of interest are the following:

- Remotely Operated Vehicles and Subsea Construction systems,
- Specialised 'Robots' and Autonomous Underwater Vehicles, deployment, recovery and docking systems,
- Subsea 'factory' Machineries.

Where relevant, activities should cover the development of European standards.

The Commission considers that projects requesting a contribution from the EU in the range of EUR XXX million would allow this specific challenge to be addressed appropriately. Nonetheless, this does not preclude submission and selection of proposals requesting other amounts.

## Expected impact

...ustainable and safe offshore operations by European industries in extreme conditions (deep sea areas, Arctic conditions, corrosive products, high pressure and temperature...);

- Increase cost-effectiveness and competitiveness of the existing and new offshore economy (including marine renewable energy);
- Improve the scientific capacity to observe and understand the water column, the deep sea environment and their resources.

## Type of action

Research and innovation action

The conditions related to this topic are provided along with the general conditions for this call. [\[Link to end of the description of the call\]](#)

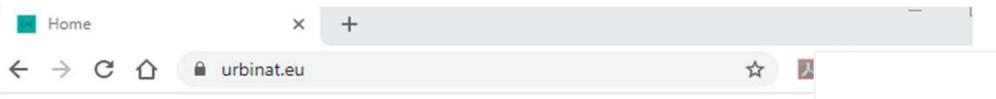
## Why apply?

- Develop and valorise your expertise relevant for a topic or even a sub-topic
- In collaboration with international actors of different types (academics, enterprises, public authorities.....)
- Involvement of stakeholders (but not always as partners)
- An investment for your development strategy
- Possible to join consortia also with other local organisations

## A demanding call

- Need to be registered as legal entity
- Not possible to fund « your own project »
  - EU priorities and policies
  - Looking for EU wide impact
- A Research and innovation programme  
=> need to be very innovative, looking for excellence !
- International consortia > Mastering English





## URBINAT: Urban Innovative & Inclusive Nature

HEALTHY CORRIDORS for better connected, greener, healthier, smarter & more inclusive cities across Europe – and beyond. Reinforcing urban resilience by harnessing the potential of Citizen Engagement, Nature-Based Solutions, and Digital Transformation.



# Green Deal Call Example : Urbinat

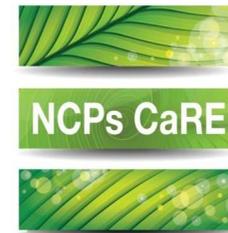


More examples



## Useful resources

- [European Green Deal Communication](#)
- Horizon 2020 [Reference documents](#) on Funding and Tender Portal
- [NCPs CaRE website](#) in particular:
  - [Dedicated webpage](#)
  - [Useful guides](#) > [“Do and don’t for applicants”](#)
  - Twitter [@NCPsCaRE](#)



# Overlap between topics

- Green Deal calls are often very ambitious and multisectoral, so they cover multiple areas
- Some example in this non-exhaustive overview
  - Space (navigation services) relates to calls: 1.1, 1.2, 1.3, 4.1, 5.1, 7.1, 8.1, 9.1
  - Sustainability: 5.1, 6.1, 7.1 and 8.1
  - Transport: 1.2, 5.1 and 10.2
  - Citizens engagement : 1.1, 1.2, 1.3, 3.2, 6.1, 9.1, 9.2, 9.3 on top of area 10
  - Security : 1.1, 4.1, 5.1
- If you are active in a certain domain, do not forget to check less obvious calls for proposals !