



# “The Horizon 2020 European Green Deal call – design and policy background”

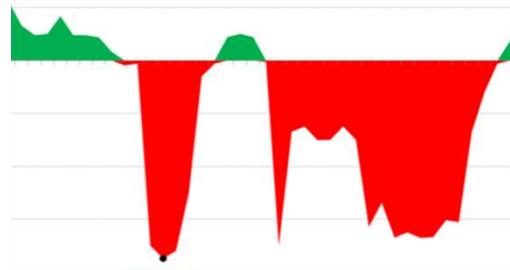
*Presentation to brokerage event organized by Horizon2020  
National Contact Point Slovakia - 14 October 2020*

*Sven Schade, European Commission  
DG Research and Innovation  
Strategic Planning, Co-creation Horizon Europe*

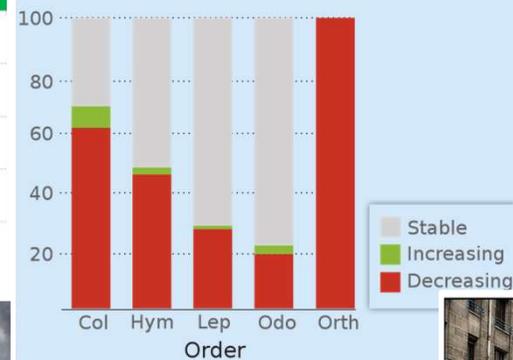
# We are living the environmental & social changes



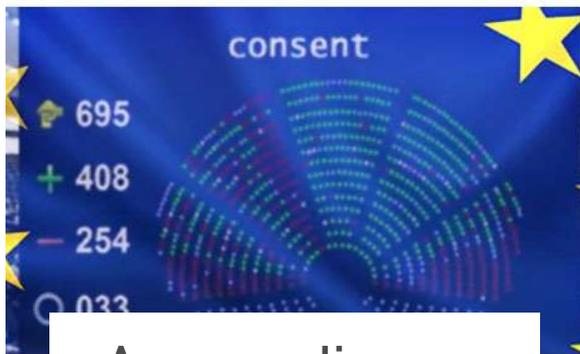
Mai	Handelssumme in €	-23.253.177	3.347.507	-26.600
Apr	Börsenwert in €/MWh	-12,90	12,30	-36,4
Mai		-28,90	18,10	-42,4



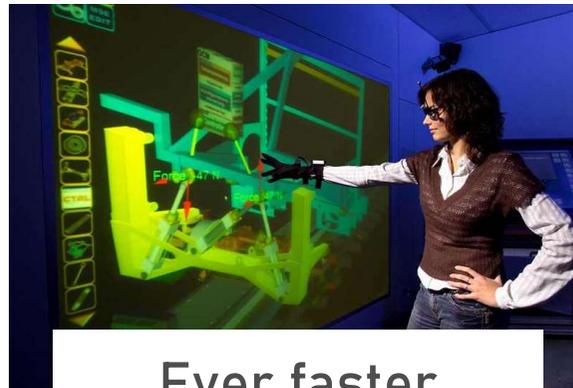
Percent of IUCN-documented insect species



# Challenges 2019



A more diverse  
European  
Parliament



Ever faster  
technology  
development

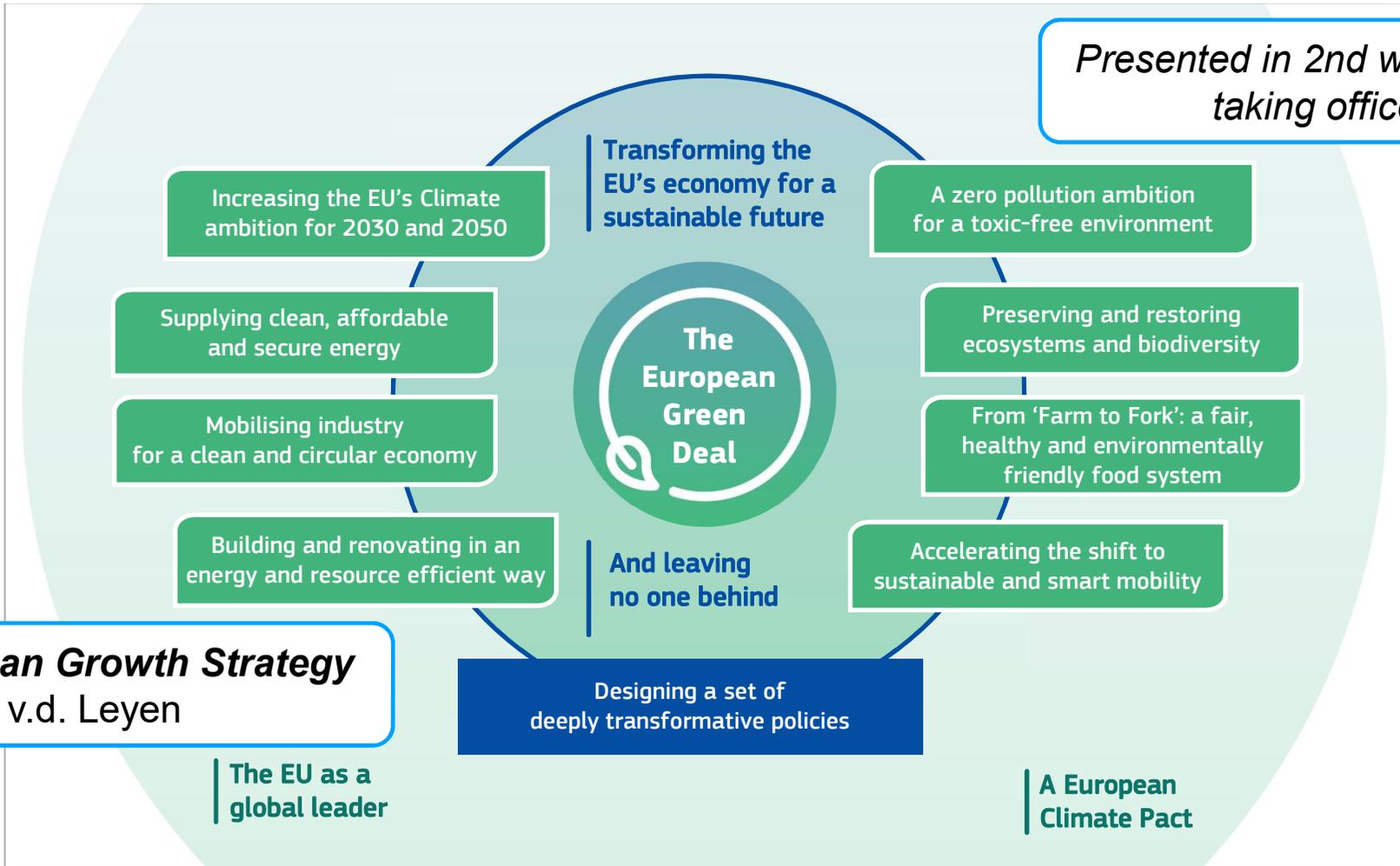


Europe's place in  
a changing world  
order

# The European Green Deal



*Presented in 2nd week after taking office*



**Our European Growth Strategy**  
U. v.d. Leyen

# Green Deal core policies – European Semester

17-12-19 Annual Sustainable Growth Strategy  
2020

....

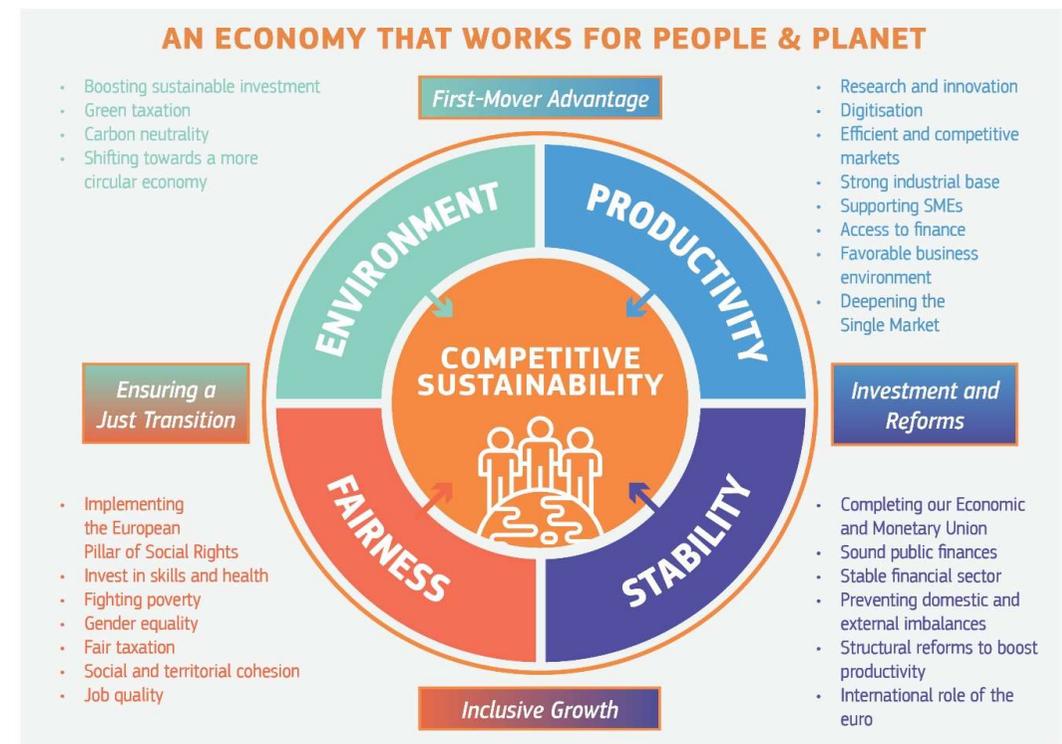
# Annual sustainable growth strategy: A new economic narrative

Main tool for setting the general economic and employment priorities for the EU at the beginning of each **European Semester cycle**



## Annual Sustainable Growth Strategy

A rebooted growth model: focus on a sustainable and inclusive economic model that will put people and climate first



# Green Deal core policies – Investment Plan

17-12-19 Annual Sustainable Growth Strategy 2020

14-1-20 **Sustainable Europe Investment Plan – European Green Deal Investment Plan**

[https://ec.europa.eu/regional\\_policy/en/newsroom/news/2020/01/14-01-2020-financing-the-green-transition-the-european-green-deal-investment-plan-and-just-transition-mechanism](https://ec.europa.eu/regional_policy/en/newsroom/news/2020/01/14-01-2020-financing-the-green-transition-the-european-green-deal-investment-plan-and-just-transition-mechanism)

## Investment Plan

- Proposal for a just transition mechanism
- Mobilising 1 trillion investments over 10 years for sustainability transition
- EIB as European 'Climate Bank'
- Announces Horizon 2020 Green Deal Call (€1bn)

# Green Deal core policies – Climate law

17-12-19 Annual Sustainable Growth Strategy 2020

14-1-20 Sustainable Europe Investment Plan – European Green Deal Investment Plan

A strong social Europe for just transitions (Just transition fund)

4-3-20 **European Climate Law**

[https://ec.europa.eu/clima/policies/eu-climate-action/law\\_en](https://ec.europa.eu/clima/policies/eu-climate-action/law_en) ....

## The climate law proposal

- to write into a law the goal of EU's climate neutrality by 2050 through all policies, in a socially-fair and cost-efficient manner
- a **new EU target for 2030** greenhouse gas emissions reductions
- a **2030-2050 EU-wide trajectory** for greenhouse gas emission reductions (industries: see also '**A clean planet for all**' – EU long term climate strategy COM(2018)773)
- to develop and implement adaptation strategies to strengthen resilience **and reduce vulnerability to the effects of climate change**

# Green Deal core policies – Circular economy

17-12-19 Annual Sustainable Growth Strategy 2020

14-1-20 Sustainable Europe Investment Plan – European Green Deal Investment Plan

A strong social Europe for just transitions (Just transition fund)

4-3-20 European Climate Law

10-3-20 **A New Industrial Strategy for Europe**  
**An SME Strategy for a sustainable and digital Europe**

**A new Circular Economy Action Plan**

[https://ec.europa.eu/environment/circular-economy/index\\_en.htm](https://ec.europa.eu/environment/circular-economy/index_en.htm) ...

## Circular economy action plan

- 35 proposed measures, mainly legislative
- Core sectors: Electronics and ICT, textiles, plastics, food & packaging, waste

### Product policy framework (for example)

- Legislative and non-legislative measures establishing a new “right to repair”
- Legislative proposal on substantiating green claims

### Skills development for a circular economy transition

# A sudden shift of attention leads to delays

17-12-19 Annual Sustainable Growth Strategy 2020

14-1-20 Sustainable Europe Investment Plan – European Green Deal Investment Plan

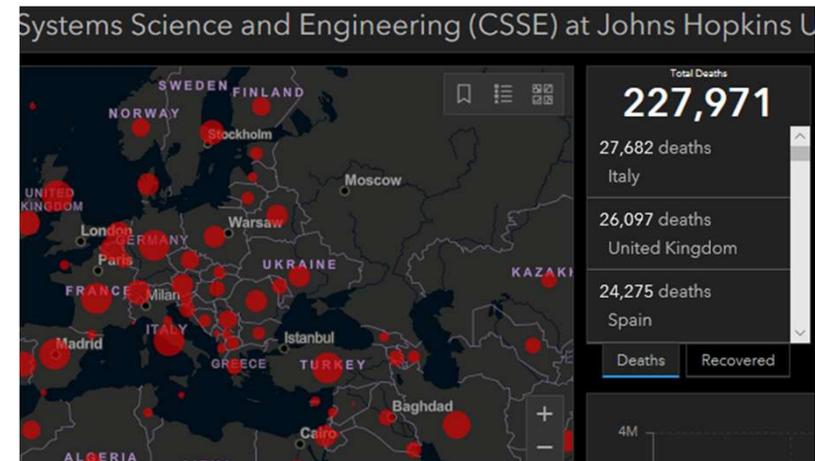
A strong social Europe for just transitions (Just transition fund)

4-3-20 European Climate Law

10-3-20 A New Industrial Strategy for Europe

An SME Strategy for a sustainable and digital Europe

A new Circular Economy Action Plan



# Green Deal core policies – Biodiversity / Farm2fork

17-12-19 Annual Sustainable Growth Strategy 2020

(..)

20-5-20 **Farm2Fork' & 'Biodiversity Strategy'**

[https://ec.europa.eu/food/sites/food/files/safety/docs/f2f\\_action-plan\\_2020\\_strategy-info\\_en.pdf](https://ec.europa.eu/food/sites/food/files/safety/docs/f2f_action-plan_2020_strategy-info_en.pdf)

[https://ec.europa.eu/environment/nature/biodiversity/strategy/index\\_en.htm](https://ec.europa.eu/environment/nature/biodiversity/strategy/index_en.htm)

# Biodiversity

➤ Establish protected areas for at least:



**30%**  
of land in  
Europe



**30%**  
of sea in  
Europe

➤ Restore degraded ecosystems at land and sea



Increasing organic farming and biodiversity-rich landscape features on agricultural land



Halting and reversing the decline of pollinators



Restoring at least 25 000 km of EU rivers to a free-flowing state



Reducing the use and risk of pesticides by 50% by 2030



Planting 3 billion trees by 2030

# Farm2Fork

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# Green Deal core policies - Hydrogen

17-12-19 Annual Sustainable Growth Strategy 2020

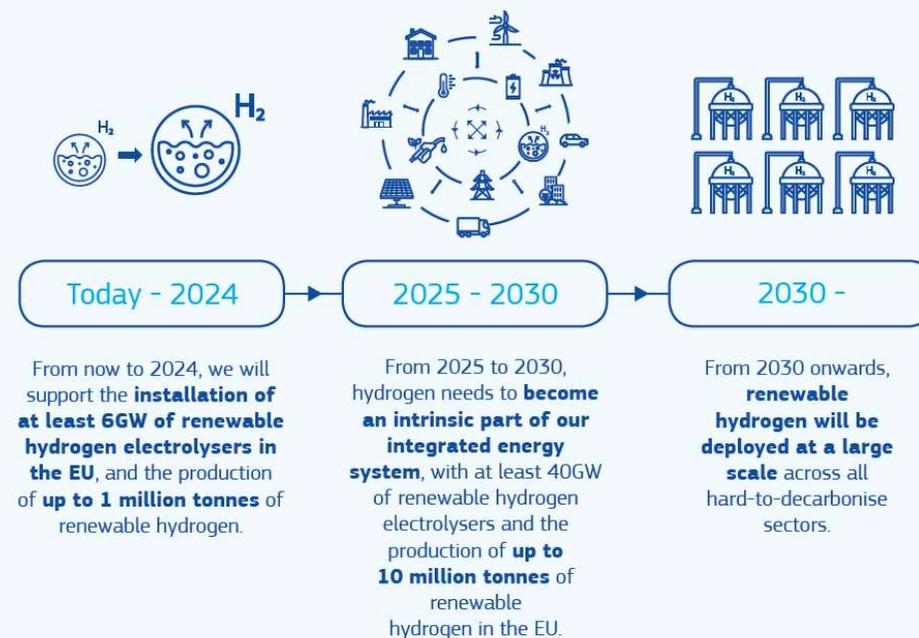
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8-7-20 **A hydrogen strategy for a climate-neutral Europe** \_see [https://ec.europa.eu/energy/topics/energy-system-integration/hydrogen\\_en](https://ec.europa.eu/energy/topics/energy-system-integration/hydrogen_en)

Still to follow: Chemicals strategy

## Hydrogen Strategy

The path towards a European hydrogen eco-system step by step :



# COVID- crisis recovery: ,Back to normal' or ,Renewal & jump forward'?

## Green Deal will be 'our motor for the recovery', von der Leyen says

By Frédéric Simon | EURACTIV.com

📅 29-04-2020

## Financiers join EU 'green recovery alliance'

By Frédéric Simon | EURACTIV.com

📅 05-05-2020 (updated: 📅 05-05-2020 )

### REMINDER

#### ONLINE POLICY BRIEFING

Wednesday 6 May 2020

11.00-12.00

***Can the corona virus crisis be a catalyst  
for climate action?***

Diederik S

Head of Cabinet to Eu  
Executive Vice-President for

### WEBINAR

Overcoming Covid-19  
crises by building a  
clean and resilient  
Europe\*

But how?

you for  
pating!

Proposals for Revised  
proposal for MFF 2021-27  
€1100billion

And

Next Generation EU  
recovery instrument of  
€750 billion (4 years) – 37%  
target sustainability  
transition

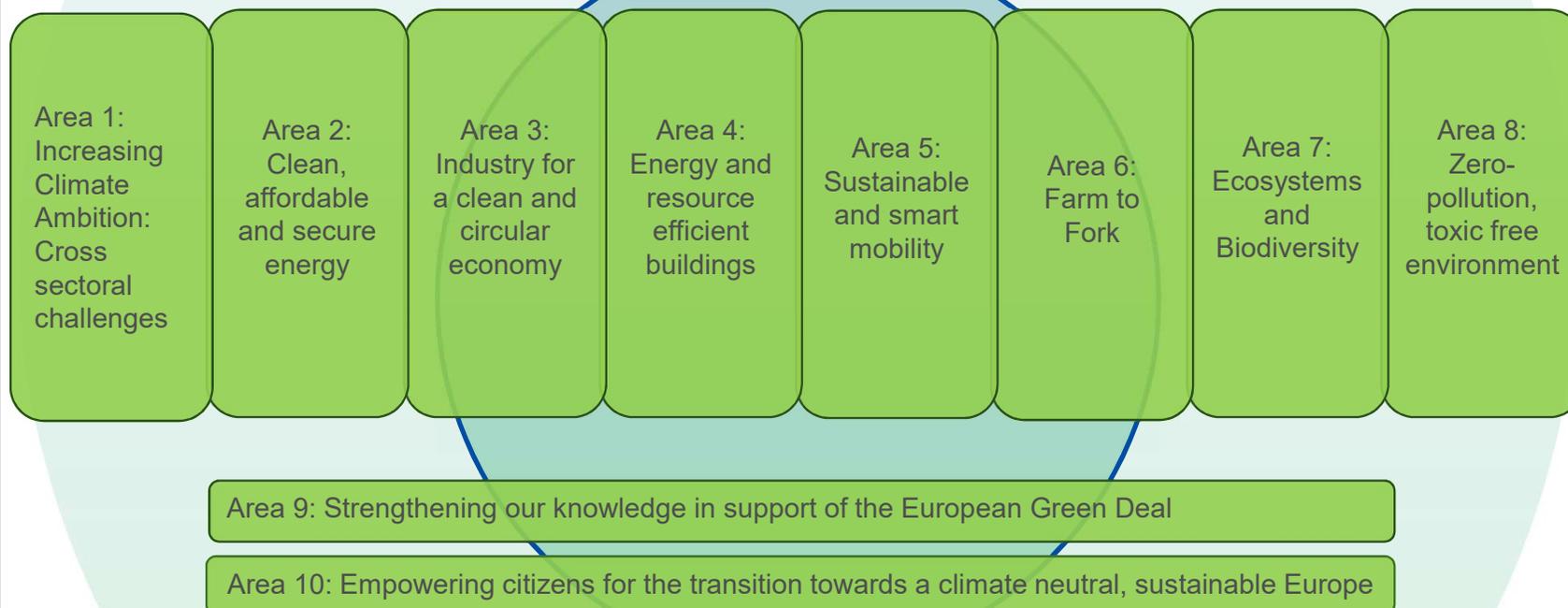


# The Horizon 2020 Call in support of the European Green Deal

# The European Green Deal Call

As provided to H2020 Programme  
Committee 17/04

MAIN PART OF THE CALL FOCUSING ON INNOVATIVE SOLUTIONS AND DEMONSTRATIONS  
Total budget 1bn –



# What's special about the 'Green Deal Call'?

- **Focus on innovation / demonstration** – sometimes very big projects (air-ports; off-shore renewables, carbon cycling in industry, 100MW electrolyser)
- **Value chain based topics** for which location matters (wildfires, ecosystem restoration, circular economy, Farm to fork) – but traditional participation requirements (3 MS/AC) apply
- **Strong role for 'citizen / communities'** – (all areas 9 & 10, wildfires, farm-2-fork)

# The Green Deal Call Topics - I

## Area 1: Increasing climate ambition

### 1.1 Preventing and Fighting Wildfires

€75million

- Interesting interlinked sub-topics from technology for aircrafts to forest management

### 1.2 -Towards climate -neutral and socially innovative cities

€53million

- majority re-granting to cities!

### 1.3 Climate-resilient Innovation Packages for EU regions

€45million

- transition roadmaps and solutions

## Area 2 - Clean, affordable and secure energy

### 2.1 Innovative land-based and offshore renewable energy technologies and their integration into the energy system

€86mio

- Development of land-based renewable energy technologies and their integration into the energy system 18mio
- Demonstration of innovative technologies to enable future large scale deployment of offshore renewable energy 68mio

### 2.2 Develop and demonstrate a 100 MW electrolyser upscaling the link between renewables and commercial/industrial applications

€60mio

### 2.3 - Accelerating the green transition and energy access Partnership with Africa

€40million



# The Green Deal Call Topics - II

## Area 3 - Industry for a clean and circular economy

3.1 - Closing the carbon cycle to combat climate change €80million

3.2 - Demonstration of systemic solutions for the territorial development of circular economy €60million

## **Area 4 - Energy and resource efficient buildings**

4.1 Building and renovating in an energy and resource efficient way €60million

## **Area 5 - Sustainable and smart mobility**

5.1 Green airports and ports as hubs for sustainable and smart mobility €100million

# The Green Deal Call Topics - III

## Area 6 - Farm to fork

6.1 - Testing and demonstrating high impact innovations to address food system challenges in a place-based context  
€74million

- 6 areas for demonstration projects along a value chain from primary production to dietary habits

## Area 7 - Biodiversity and ecosystem services

7.1 - Restoring biodiversity and ecosystems services  
€80million

- Focus on scaling-up / replicating innovative solutions to restoration

## Area 8 - Towards zero-pollution, toxic-free environment

8.1 - Mitigating the effects of persistent and mobile chemicals  
€40million

8.2 Fostering regulatory science to address chemical and pharmaceutical mixtures  
€20million

# The Green Deal Call Topics - IV

## Area 9 - Strengthening our knowledge in support of the European Green Deal

9.1 European Research Infrastructures capacities and services to address EGD challenges €28million

- Support Europe leadership in clean energy storage technologies €7m
- Enhancing European research infrastructures for greenhouse gases observation in and around cities €13m
- Enhancing observations for air quality and citizens' health in urban areas €8m

9.2 - Developing end-user products and services for all stakeholders and citizens, supporting climate adaptation and mitigation €25million

9.3- Towards a digital twin of the Ocean €12million

# The Green Deal Call Topics - V

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

10.1 European capacities for citizen deliberation and participation for the Green Deal €10million

10.2 Behavioral, social and cultural change for the Green Deal €10million

10.3 - Enabling citizens to act on climate change through education, monitoring of their environmental impacts, and civic involvement

€25million

# Green Deal Call - timeline

## Proposal writing

- Call is 'open' - [Here](#)
- Partnering for example

<https://h2020-green-deal-call-dublin.b2match.io/>

Registration until 2/10

- Deadline for project proposals  
26th January

## Evaluation to projects' start

- Evaluation spring 2021
- First projects to start summer 2021
- Projects have to sign agreements by 31/12/2021

# Thank you



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