



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

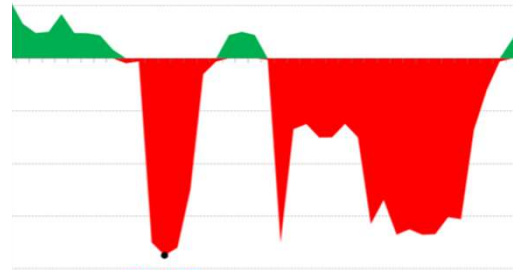
*Presentation to Estonian Research Council online seminar –
2 September 2020*

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

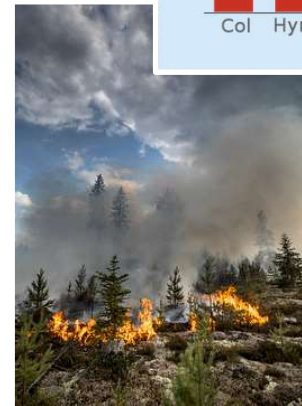
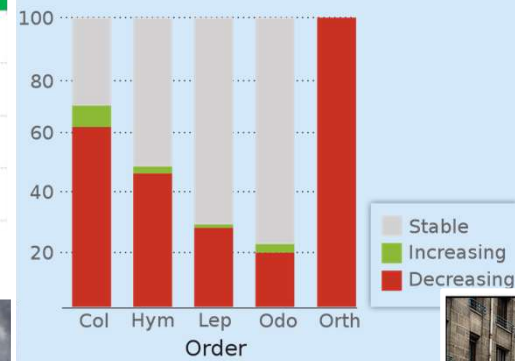
We are living the environmental & social changes



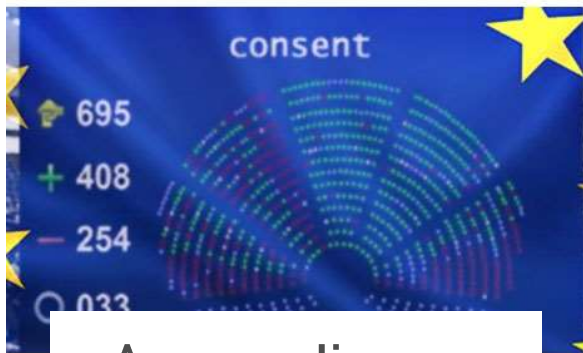
Mai	Handelssumme in €	-23.253.177	3.347.507	-26.600
Apr	Börsenwert in €/MWh	-12,90	12,30	-36,4
Mai		-28,90	18,10	-42,4



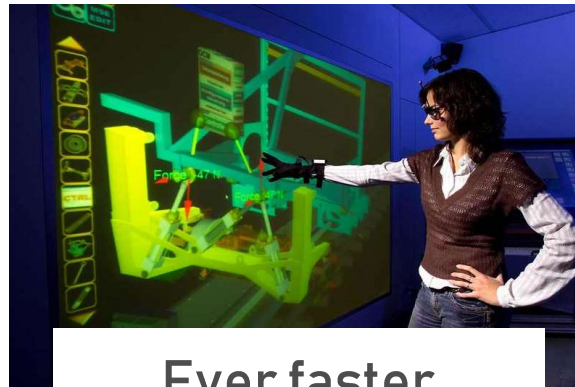
Percent of IUCN-documented insect species



Challenges 2019



A more diverse
European
Parliament



Ever faster
technology
development

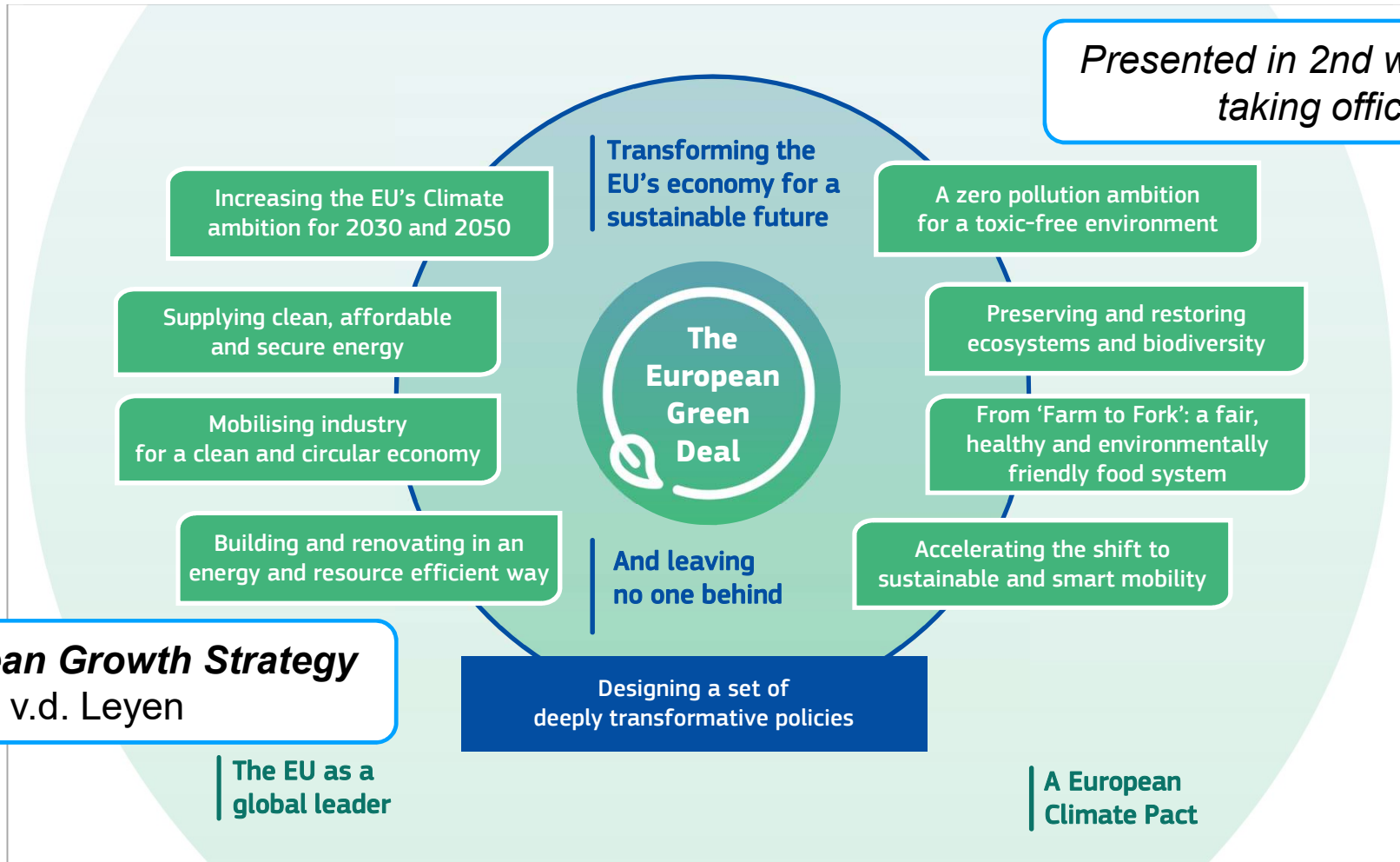


Europe's place in a
changing world
order

The European Green Deal



Presented in 2nd week after taking office



Our European Growth Strategy
U. v.d. Leyen

The core policies for the Green Deal

17-12-19 Annual Sustainable Growth Strategy 2020

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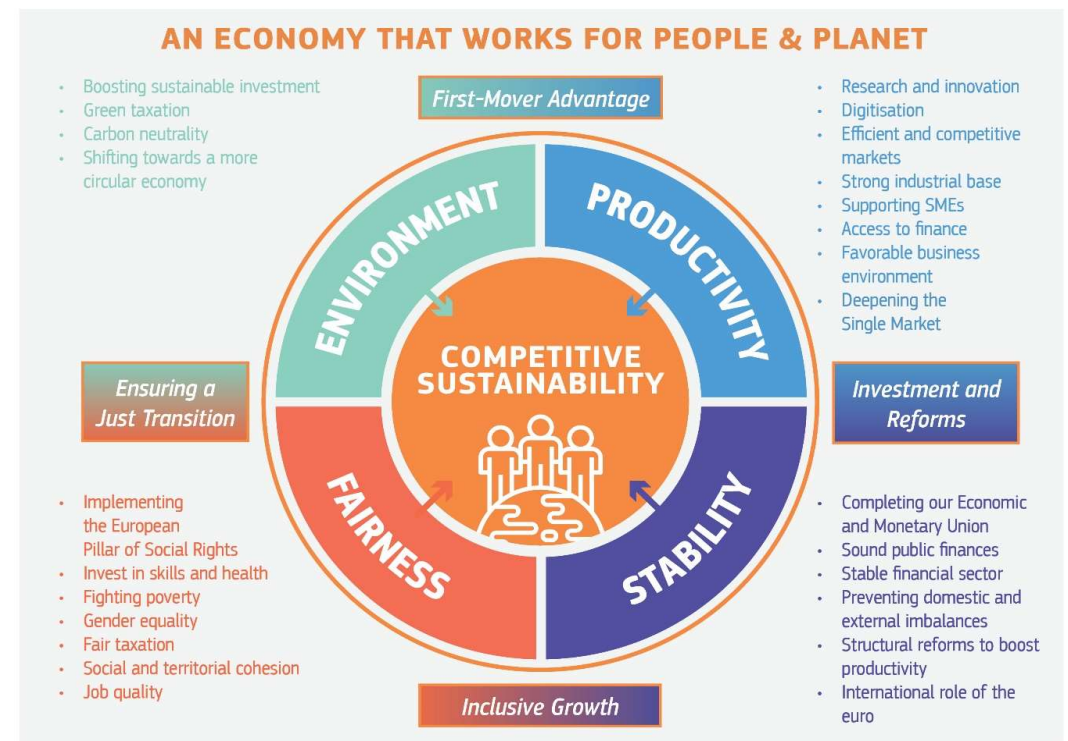
Annual sustainable growth strategy: A new economic narrative

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



The core policies for the Green Deal

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

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)

The core policies for the Green Deal – 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

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**

The core policies for the Green Deal

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

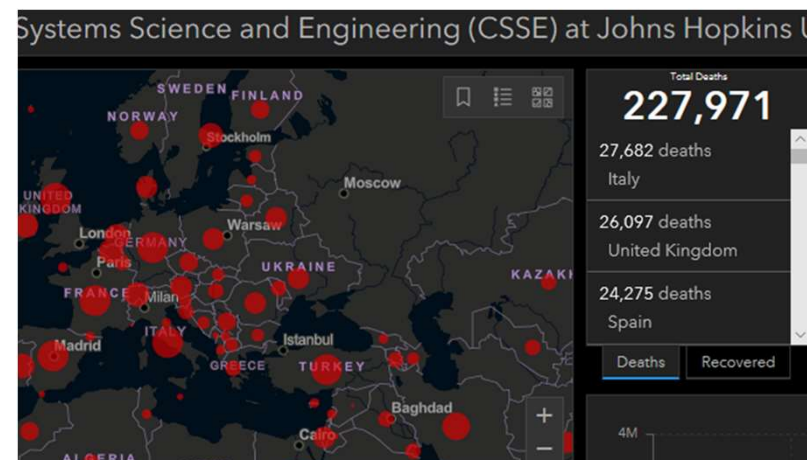
A strong social Europe for just transitions (Just
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10-3-20 A New Industrial Strategy for Europe

An SME Strategy for a sustainable and digital
Europe

A new Circular Economy Action Plan



The core policies for the Green Deal

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/environment/nature/biodiversity/strategy/index_en.htm

Biodiversity

➤ Establish protected areas for at least:



➤ 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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The core policies for the Green Deal

17-12-19 Annual Sustainable Growth Strategy 2020

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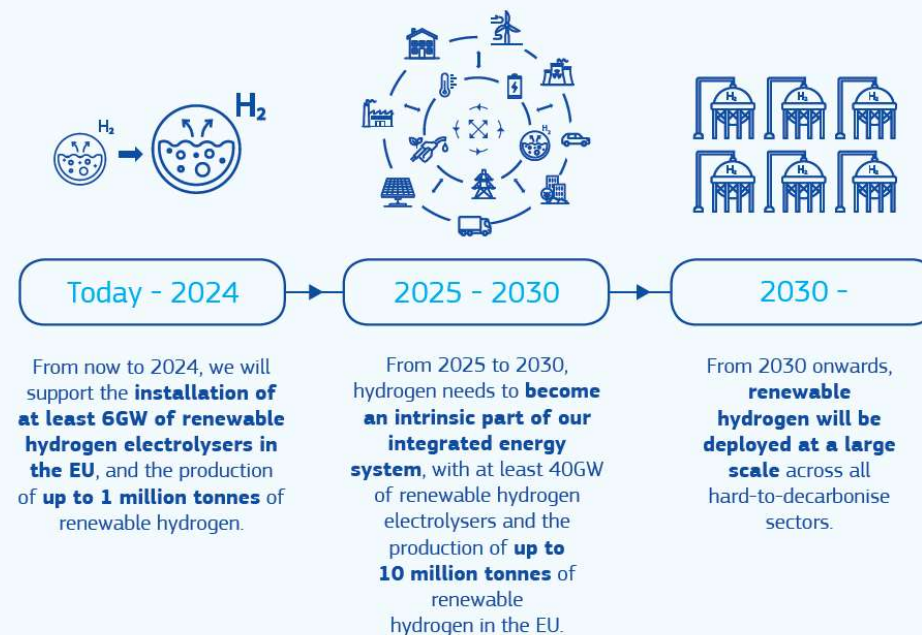
8-7-20 A hydrogen strategy for a climate-neutral Europe see

https://ec.europa.eu/energy/topics/energy-system-integration/hydrogen_en

Still to follow: Chemicals strategy

Hydrogen Strategy

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



COVID- crisis recovery: Hottest topic in town ,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

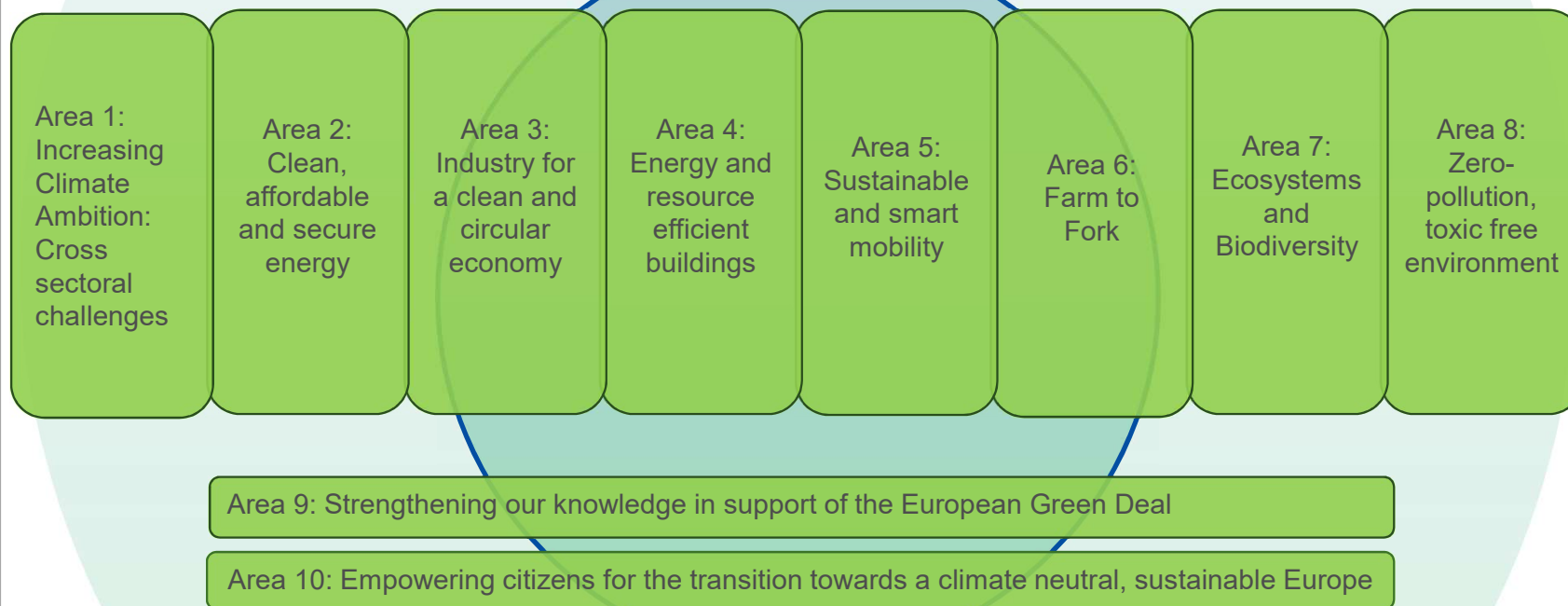
Next Generation EU
recovery instrument of €750
billion (4 years)

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

Finalisation of Call

- Ongoing work
- Launch of internal approval early July
- Formal adoption mid-September
- Open communication about progress

Proposal writing

- R&I days 22-24 September as 'meeting and partnering' opportunity
- Deadline for project proposals end January

Evaluation to projects' start

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



European
Commission

**EUROPEAN
RESEARCH &
INNOVATION**

#RiDaysEU
@EUScienceInno
ec europ
research

Research and Innovation Days 22-24 Sept

Now fully virtual event

Matchmaking event for the Green Deal Call
– also in October more business oriented ones

Thank you



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