



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

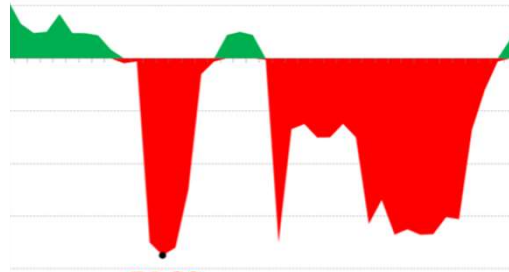
Presentation to the Vanguard initiative / 8 July 2020

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

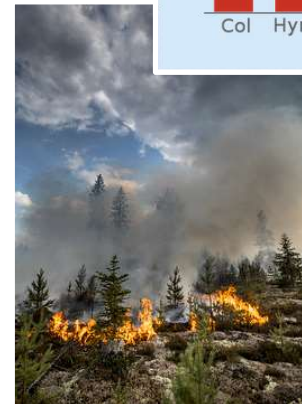
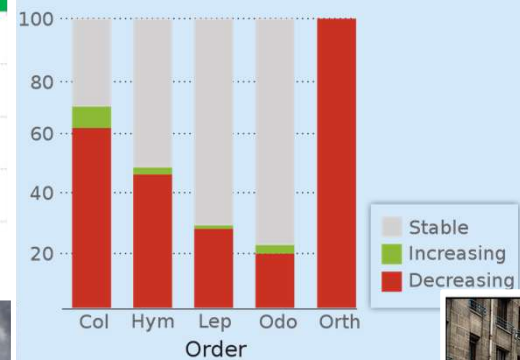
We are living the environmental & social changes

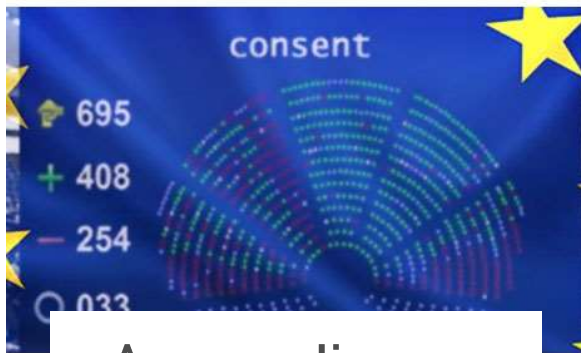


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Apr	Börsenwert in €/MWh	-12,90	12,30	-36,5
Mai		-28,90	18,10	-42,5

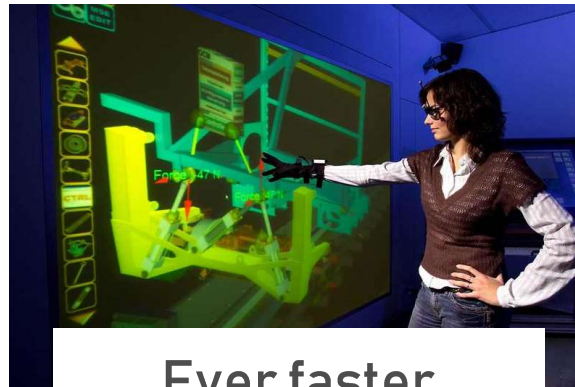


Percent of IUCN-documented insect species





A more diverse
European
Parliament



Ever faster
technology
development

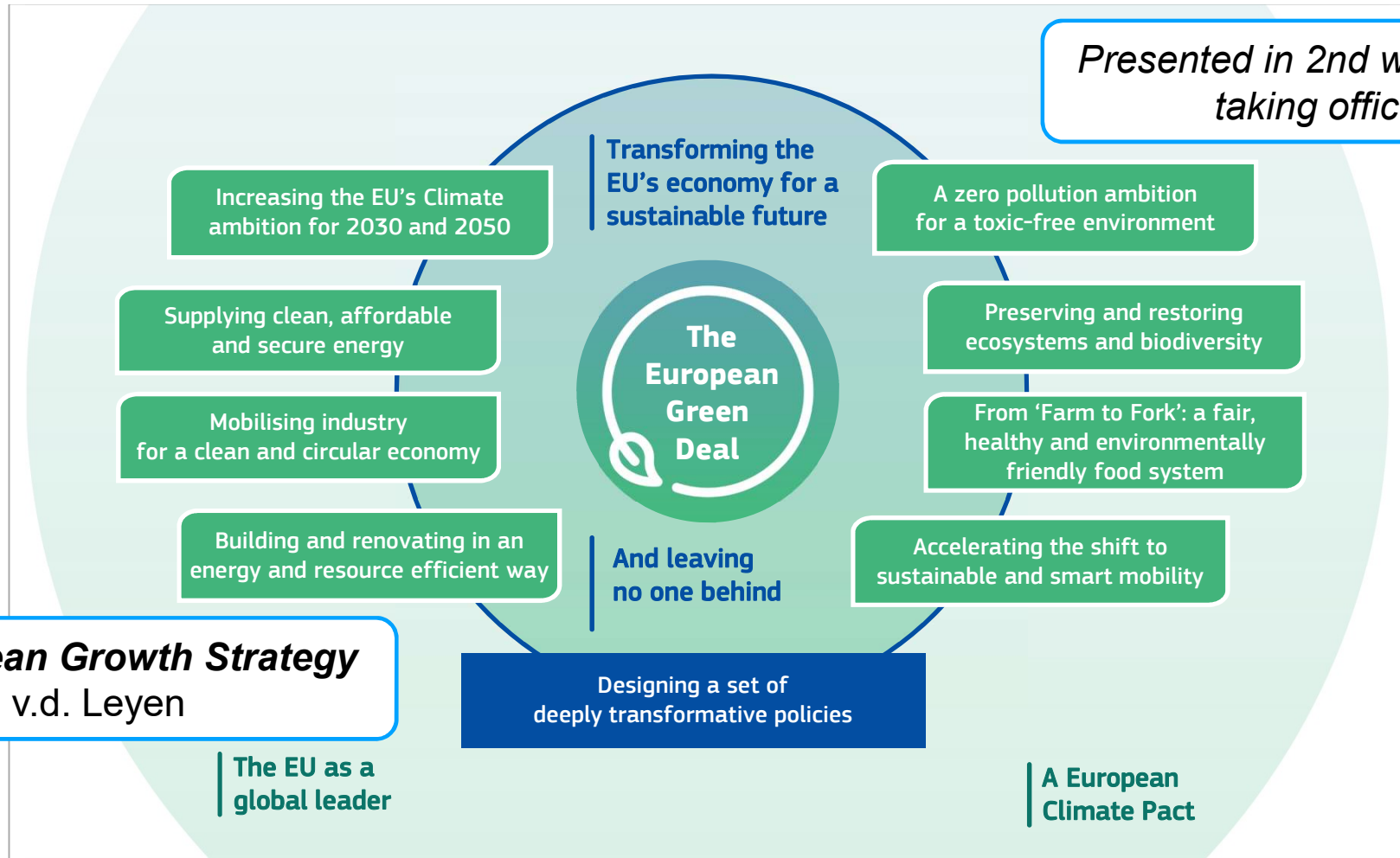


Europe's place in a
changing world
order

The European Green Deal



Presented in 2nd week after taking office

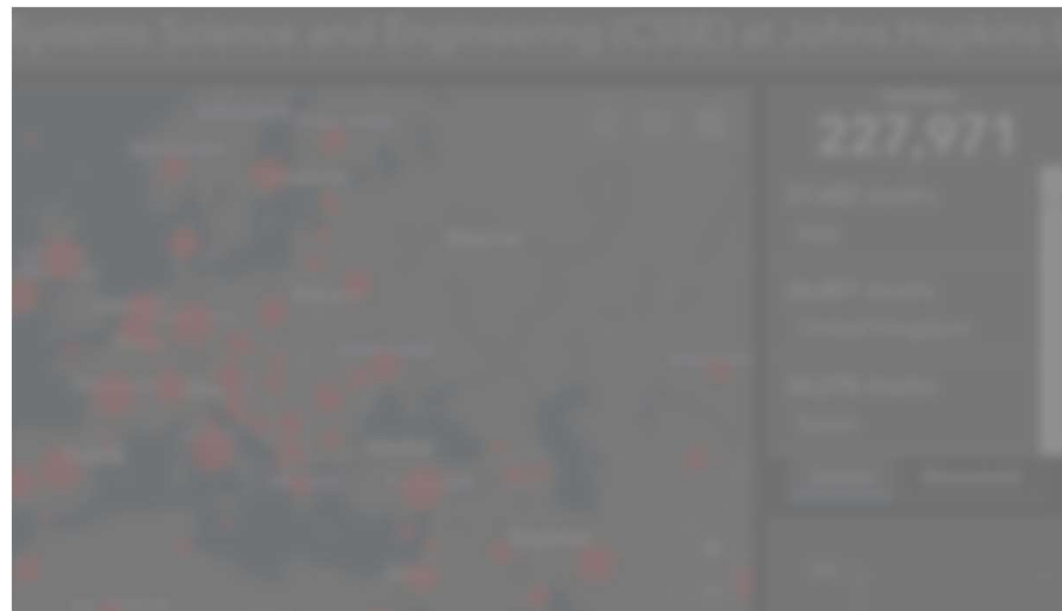


Our European Growth Strategy
U. v.d. Leyen

A great start and a sudden shift

17-12-19 Annual Sustainable Growth Strategy 2020

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6

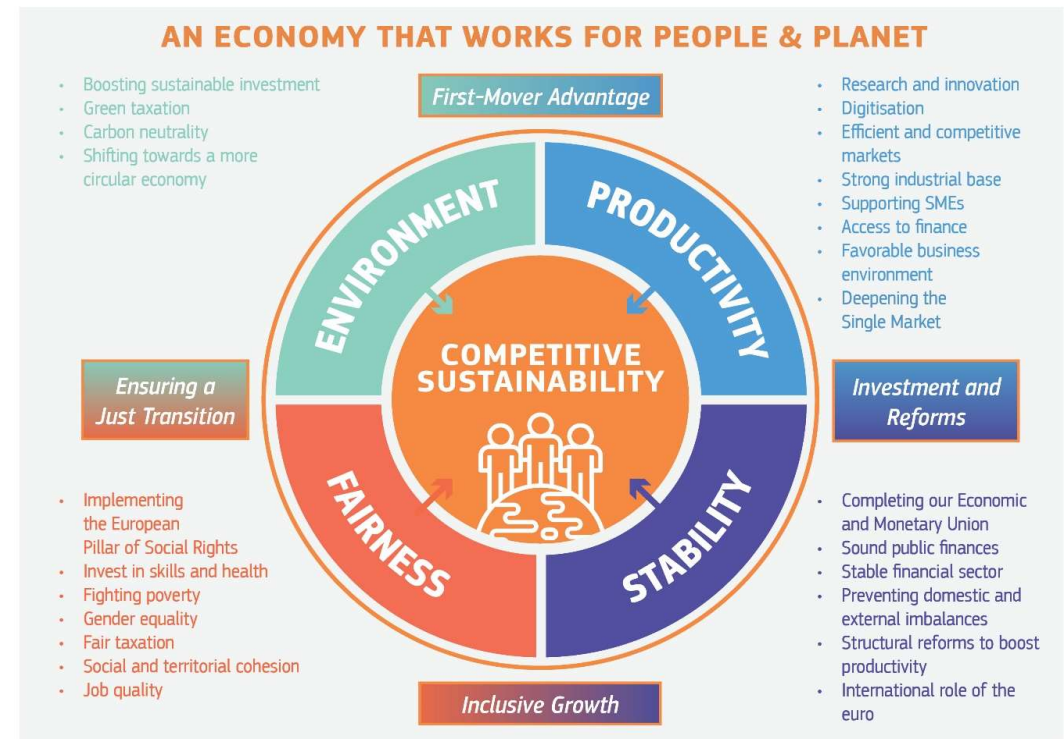
Annual sustainable growth strategy: A new economic narrative

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

European Green Deal Investment Plan & Just transition mechanism

Mobilising at least **€1 trillion** of investments over the course of 10 years, thanks to the combined:

- capital from EU and national budgets;
- public and private investments;
- additional measures to facilitate and boost green public and private investment;
- attractive investment conditions;
- technical assistance to help investors in selecting sustainable projects.



25% of all European Union funding for climate measures



30% of InvestEU to projects that fight climate change



Stimulating green investments with support from the EIB Group

THE JUST TRANSITION MECHANISM

Helping address the social and economic effects of the transition, focusing on the regions, industries and workers who will face the greatest challenges, and mobilising at least **€100 billion**, through:

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 the 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
- 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

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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

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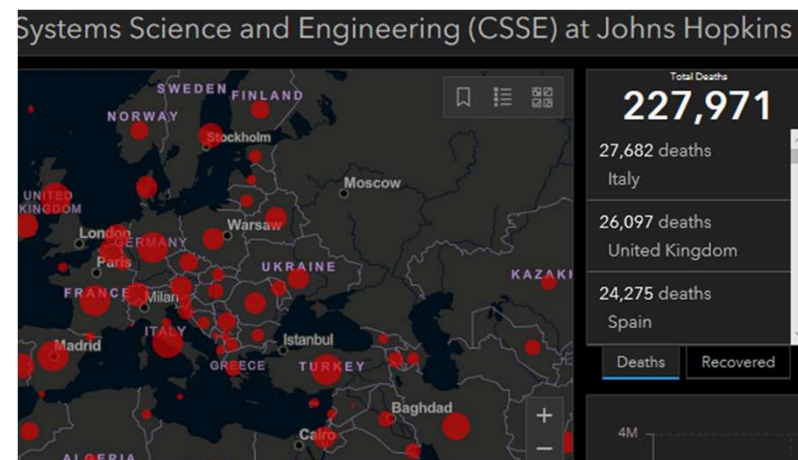
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A new Circular Economy Action Plan

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The core policies for the Green Deal

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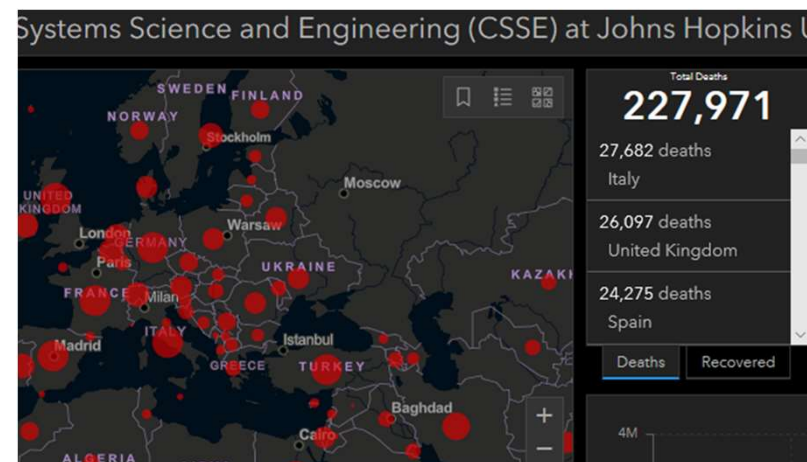
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A new Circular Economy Action Plan

....



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

To come later ,Chemicals strategy'

Biodiversity strategy

➤ 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

Farm to fork strategy

CONTENTS

1. NEED FOR ACTION.....	4
2. BUILDING THE FOOD CHAIN THAT WORKS FOR CONSUMERS, PRODUCERS, CLIMATE AND THE ENVIRONMENT.....	8
2.1. Ensuring sustainable food production.....	8
2.2. Ensuring food security.....	12
2.3. Stimulating sustainable food processing, wholesale, retail, hospitality and food services practices.....	13
2.4. Promoting sustainable food consumption and facilitating the shift to healthy, sustainable diets.....	14
2.5. Reducing food loss and waste.....	15
2.6. Combating food fraud along the food supply chain.....	15
3. ENABLING THE TRANSITION.....	16
3.1. Research, innovation, technology and investments.....	16
3.2. Advisory services, data and knowledge sharing, and skills.....	17
4. PROMOTING THE GLOBAL TRANSITION.....	18
5. CONCLUSIONS	20
ANNEX	21

A great start and a sudden shift

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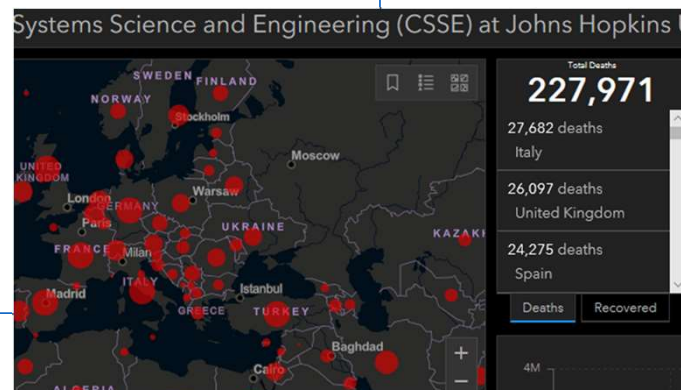
A new Circular Economy Action Plan

20-05-20 'Farm2Fork' & 'Biodiversity Strategy'

To come later ,Chemicals strategy....

28-05-20 – Recovery plan & Fund with link to
semester and the Multiannual financial
framework

https://ec.europa.eu/info/live-work-travel-eu/health/coronavirus-response/recovery-plan-europe_en



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)

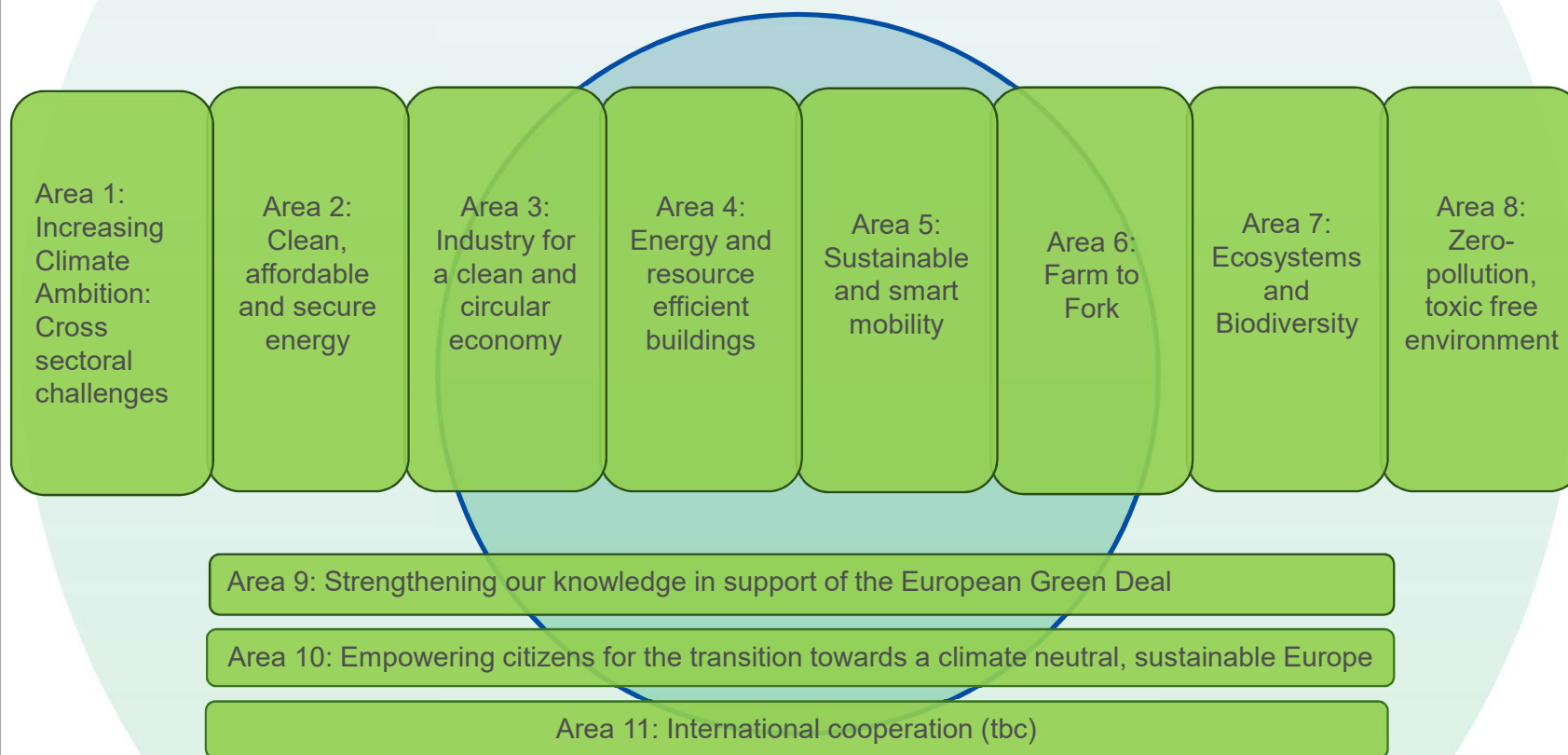
Q&A on the background to the European Green Deal

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 up to 1bn – division between areas not yet established



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)
- **SMEs / Start-up orientation** – rather weak (but EU-Africa; construction 2.1 / 4; sensors 8.1 / 10.3; end-user products and service for climate 9.2)
 - need to claim niches in consortia
 - → May 2020 – EIC Green Deal cut-off date >€300mio

The Green Deal Call Topics – I

Area 1: Increasing climate ambition

1.1 Preventing and Fighting Wildfires
€75million

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

2.2 Develop and demonstrate a 100 MW
electrolyser €60mio

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

Area 7 – Biodiversity and ecosystem services

7.1 – Restoring biodiversity and ecosystems services €80million

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

Area 11 – International Cooperation

11.1 Accelerating the green transition and energy access Partnership with Africa €40million

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

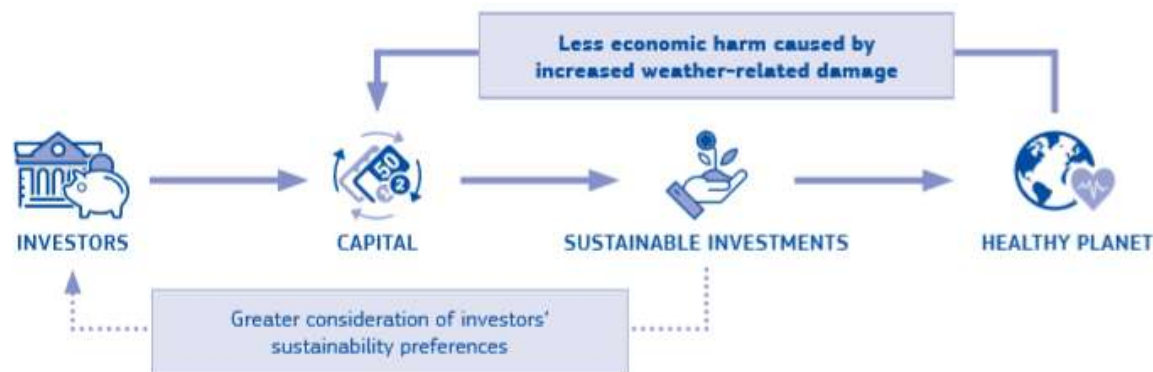
Evaluation to projects' start

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

Financing sustainable growth

An - necessarily incomplete - funding landscape

Sustainable finance – See ‘Investment Plan’ communication January 20



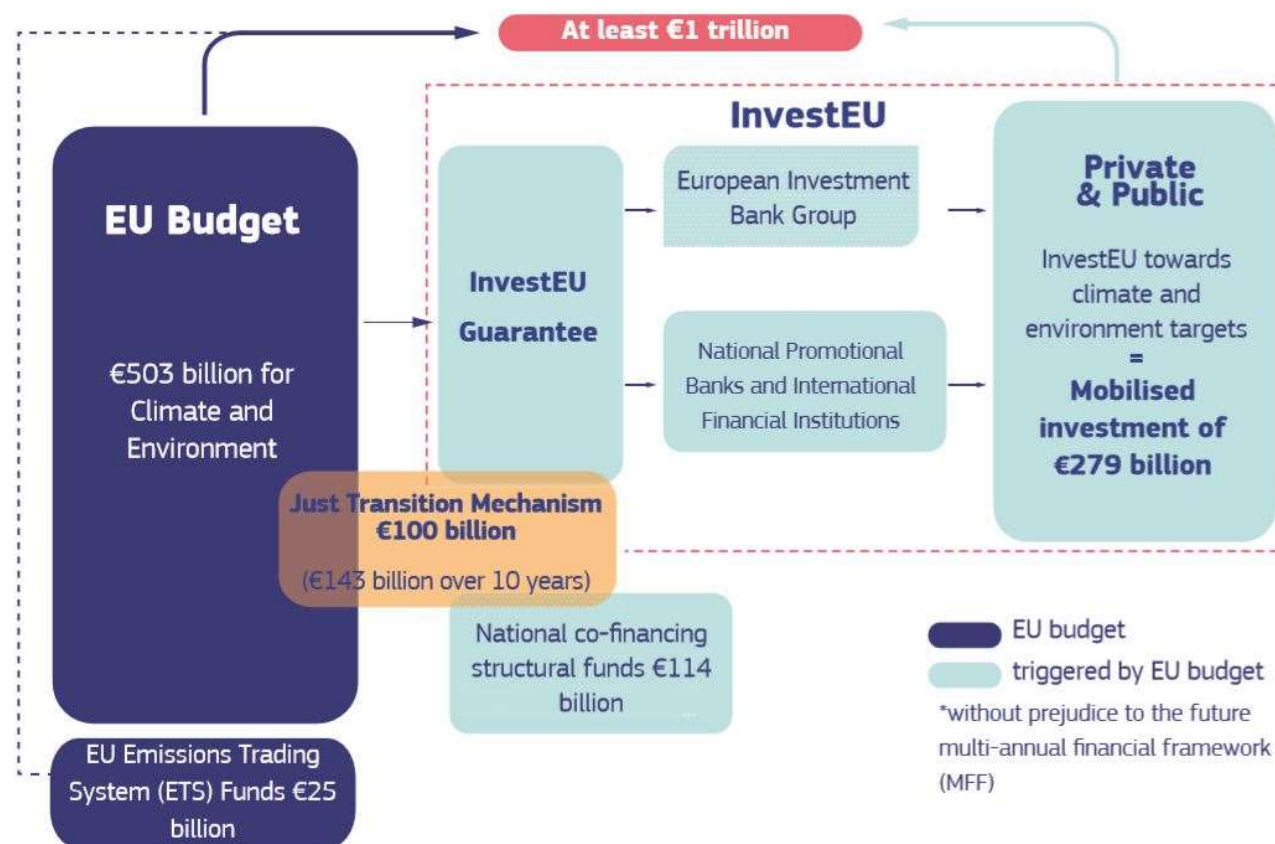
Mobilizing at least €1 trillion of sustainable investments over the next decade

- Work on 'taxonomy' for sustainable investment

- Just transition fund (regions identified) + InvestEU transition scheme + Public sector loan scheme at EIB = 100bn + Technical assistance

Green Deal Investment Plan

WHERE WILL THE MONEY COME FROM?



*The numbers shown here are net of any overlaps between climate, environmental and Just Transition Mechanism objectives.

'New generation EU' – recovery instrument

National allocations

Allocation key to be decided

Fast project / programme development to be agreed with the Commission

? Link to the European semester / Annual Sustainable Growth Strategy ?

Strengthening recovery & transition related programmes

For example proposed **+14bn Horizon Europe** mainly to be spent in 2021/22 in core areas like health and industrial transformation

'Greening & transitioning' the 'traditional' instruments

Regional development funds

CAP 1st and 2nd pillar
(from 2023)

Horizon Europe with

- Missions
- & European Innovation Council

Climate Innovation Fund

https://ec.europa.eu/clima/policies/innovation-fund_en

1st call (large projects)
open until 29-10-20

up to 60% of the
additional capital and
operational costs
linked to innovation



Research and Innovation Days 22-24 Sept

Now fully virtual event

Matchmaking event for the Green Deal Call – tbd

Q&A H2020 Call in support to the European Green Deal

Thank you



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