

# next MFF funding: LIFE and Horizon Europe

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## 6 Commission priorities for 2019-2024

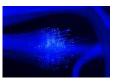


Political guidelines: A Union that strives for more

A European Green Deal
Striving to be the first climate-neutral continent



An economy that works for people Working for social fairness and prosperity



A Europe fit for the digital age Empowering people with a new generation of technologies



Promoting our European way of life
Building a Union of equality in which we all have the same access to opportunities.



A stronger Europe in the world

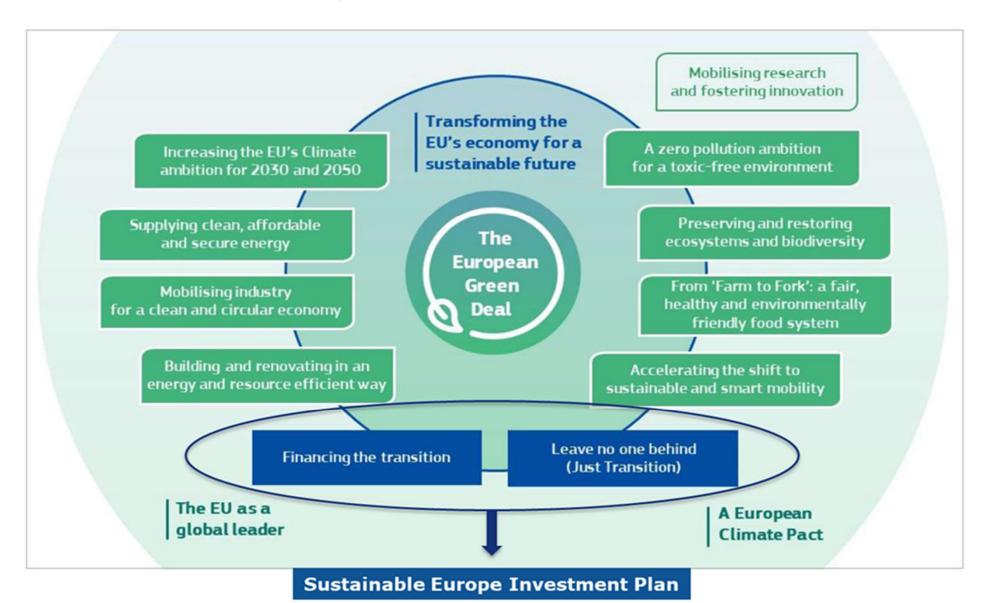
Europe to strive for more by strengthening our unique brand of responsible global leadership



A new push for European democracy
Nurturing, protecting and strengthening our democracy



### The European Green Deal



# Financing the green transition: The European Green Deal Investment Plan and The Just Transition Mechanism

#### The European Green Deal Investment Plan - three dimensions:

- Financing measures: mobilising €1 trillion of sustainable investments over the next decade
  - Climate mainstreaming in the MFF 25% for climate-related purposes (EUR 39 bn).
  - InvestEU to leverage private and public investments in sustainability.
  - The Just Transition Mechanism and Fund to ensure that no one is left.
  - The EIB as the EU climate bank (new lending policy)
- Enabling measures: providing incentives to unlock and redirect public and private investment.
- Investment development support: to public authorities and private project promoters

#### The Just Transition Mechanism - leaving no one behind.

- 1) A Just Transition Fund, (€7.5 billion of fresh EU funds + additional resources => €30 and €50 billion of total funding)
- 2) A dedicated just transition scheme under InvestEU
- 3) A public sector loan facility with the European Investment Bank backed by the EU budget

# 2021-2027 MFF\*: ALIGNMENT WITH POLITICAL PRIORITIES/EC PROPOSAL/

In billion euro, current prices



I. SINGLE MARKET, INNOVATION AND DIGITAL

€187.4



- 1 Research and Innovation
- 2 European Strategic Investments
- 3 Single Market
- 4 Space



II. COHESION AND VALUES

€442.4



- 5 Regional Development and Cohesion
- 6 Economic and Monetary Union
- 7 Investing in People, Social Cohesion and Values





V. SECURITY AND DEFENCE €27.5

- 12 Security
- 13 Defence
- 14 Crisis Response





VI. NEIGHBOURHOOD AND THE WORLD €123

- 15 External Action
- 16 Pre-Accession Assistance



III. NATURAL RESOURCES AND ENVIRONMENT €378.9

- 8 Agriculture and Maritime Policy
- 9 Environment and Climate Action



IV. MIGRATION AND BORDER MANAGEMENT €34.9

- 10 Migration
- 11 Border Management



VII. EUROPEAN PUBLIC ADMINISTRATION €85.3

17 European Public Administration



\*The graph does not include sources of financing outside the MFF: the Innovation Fund, the Modernisation Fund and the RES financing mechanism





# **SUPPORT TO CLEAN ENERGY – MFF PROGRAMMES**



# I SINGLE MARKET, INNOVATION & DIGITAL

- 1 Research & Innovation
- Horizon Europe
- International Thermonuclear Experimental Reactor (ITER)
- Euratom Research & Training Programme
- 2 European Strategic Investments
- InvestEU Fund
- Connecting Europe Facility



#### **II COHESION & VALUES**

- 5 Regional Development & Cohesion
- · European Regional Development Fund
- Cohesion Fund



25% climate

mainstreaming

across the EU Budget

#### V SECURITY & DEFENCE

#### 12 Security

- Nuclear Decommissioning (Lithuania)
- Nuclear Safety and Decommissioning (incl. for Bulgaria and Slovakia)



# III NATURAL RESOURCES & ENVIRONMENT

- 9 Environment & Climate Action
- Programme for Environment & Climate Action (LIFE)

#### Programmes outside the MFF:

- Innovation Fund
- Modernisation Fund
- RES financing mechanism



# VI NEIGHBOURHOOD & THE WORLD

#### 15 External Action

- Neighbourhood, Development and International Cooperation Instrument (incl. external aspects of migration)
- 16 Pre-Accession Assistance
- · Pre-Accession Assistance





# **SUPPORT TO CLEAN ENERGY – THE FIGURES**

Energy in the MFF (current prices, EUR million)	2021-2027 (EC proposal)	2014-2020 (EU27+EDF)
Main energy-relevant programmes		
Connecting Europe Facility - Energy	8.650	4.163
ITER	6.070	2.910
Nuclear Decommissioning (Lithuania)	552	451
Nuclear safety and decommissioning (incl Bulgaria and Slovakia)	626	883
LIFE Programme	5.450	3170
of which Clean Energy sub-programme	1.000	-
InvestEU	14.725	
Horizon Europe	97.600	66.034
ERDF	226.308	193.398
Cohesion Fund	46.692	74.589
Other programmes that might benefit energy		
<b>Euratom Research and Training Programme</b>	2.400	2.085
Neighbourhood, Development and International Cooperation Instrument	89.500	70.428
Instrument for pre-accession Assistance	14.500	12.799
non-MFF programmes*		
Innovation Fund	10.000	
<b>Modernisation Fund</b>	6.000	
TOTAL MFF	1.279.408	1.063.101



### EU funding for sustainable energy investment after 2020



Increased mainstreaming across EU budget (25%)

- Cohesion Funds
- Invest EU
- Horizon Europe
- €15 bn to Climate, Energy, Mobility R&I Partnership on **Sustainable Built Environment**
- LIFE
  - € 1 bn to Clean Energy Transition
- Connecting Europe Facility
- Innovation Fund

Partial agreements reached during the first half of 2019



## **Support for clean energy transition (2021-2027)**

#### Direct financing

Cohesion funds

Policy Objective 2: "a greener, low-carbon Europe".

Connecting Europe Facility (CEF)



> Reducing investment risks and supporting investmenst development:

InvestEU – "Sustainable Infrastructure window" (€ 11,5 bn/ € 38 bn).

ELENA - InvestEU Advisory Hub

Support for policy implementation and capacity building on energy transition

LIFE- sub-programme "Clean Energy Transition" (LIFE) (€1bn)

Support for R&I and technological development

Horizon Europe (HE) ) including Climate, Energy and Mobility Cluster



#### Preliminary Horizon Europe Structure







- Proposed budget 2021-2027: EUR 97.6 billion
- Cluster 5: Climate, Energy and Mobility, ca. EUR 15bn
  - Climate science and solutions
  - Energy supply
  - Energy systems, grids
  - Buildings and industrial facilities in energy transition
  - Communities and cities in transition
  - Energy storage
  - Clean transport and mobility
- Climate mainstreaming: 35%
- Public consultation 4 October:
  - Strategic Plan
  - Implementation of rules of participation

Partial agreement reached on 19 March 2019





## **Horizon Europe – cross-cutting structures**

missions

Adaptation to climate change, including societal transformation





## **Horizon Europe – cross-cutting structures**

Partnerships:

Based on
Memoranda of
Understanding /
contractual
arrangements;
implemented
independently by
the partners and
by Horizon Europe

Based on a joint programme agreed by partners; commitment of partners for financial and inkind contributions & financial contribution by Horizon Europe

Based on longterm dimension and need for high integration; partnerships based on Articles 185 / 187 of TFEU and the EIT-Regulation supported by Horizon Europe

#### HEALTH

EU-Africa Global Health
Innovative Health Initiative
Chemicals Risk Assessment
Fostering an ERA for Health research
Large-scale innovation and
transformation of health systems in a
digital and ageing society
Pre-clinical / clinical health research
Personalised Medicine

Rare Diseases One Health/ AMR

#### CLIMATE, ENERGY AND MOBILITY

Transforming Europe's rail system
Integrated Air Traffic Management
Clean Aviation
Clean Hydrogen
People-centric Sustainable Built
Environment

Towards zero-emission road transport

Mobility and Safety for Automated

Road Transport

Waterborne transport

Batteries
Smart Cities and Communities
Clean Energy Transition

#### DIGITAL, INDUSTRY AND SPACE

High Performance Computing
Key Digital Technologies
Smart Networks and Services
AI, data and robotics
Photonics Europe
Clean Steel – Low Carbon Steelmaking
European Metrology
Made in Europe

Carbon Neutral and Circular Industry
Global competitive space systems
Geological Services

FOOD, BIOECONOMY, NATURAL RESOURCES, AGRICULTURE AND ENVIRONMENT

Accelerating farming systems transition

Animal health: Fighting infectious diseases

Environmental Observations for a

sustainable EU agriculture

Rescuing biodiversity to safeguard life on Earth

A climate neutral, sustainable and productive Blue Economy

Safe and Sustainable Food System for People, Planet & Climate Circular bio-based Europe

Vater4All: Water security for the planel

PILLAR III AND CROSS-PILLAR

EIT Climate KIC

EIT Manufacturing

EIT Food

EIT InnoEnergy

EIT Manufacturing EIT Raw Materials

EIT Digital

**EIT Urban Mobility** 

Innovative SMEs

European Open Science Cloud (EOSC)



European Commission

# R&I co-programmed partnership: People-centric sustainable built environment

Partners represent various actors across the building value chain

## Scope:

Sustainability and better living

## Approach:

People (user)-centric innovation aiming at lasting behavioural change to deliver under the long-term goals

set by the Green Deal





### **CLEN ENERGY IN LIFE PROGRAMME**

- LIFE 2021- 2027 sub-programmes:
  - Nature & biodiversity
  - Circular economy and quality of life
  - Climate change mitigation and adaptation
  - Clean energy transition
  - > Enabling actions for energy efficiency and renewable energy policy implementation
  - > predecessors: Intelligent Energy Europe continued under Horizon 2020- SC3- market uptake

Why Clean Energy Transition under LIFE?

## **Rationale:**

LIFE has a suitable nature and intervention logic to support policy implementation on the ground



## The sub-programme Clean Energy Transition

Building policy and regulatory framework

Engaging and empowering consumers

Objective:

creating market & regulatory enabling conditions in the EU territories for the energy transition

Rolling-out technology, services and business models

Mobilising local and regional investments

Unlocking financing flows

**Type of activities**: developing and spreading best practice, mobilising investments, improving skills, removing market barriers, raising awareness, educating, empowering.





Thank you for your attention!

