European Green Deal

European Green Deal

- The Green Deal is a big policy package of various different policies that interconnect

- Climate change and environmental degradation are an existential threat to Europe and the world. To overcome these challenges, Europe needs a new growth strategy that will transform the Union into a modern, resource-efficient and competitive economy, where
    - there are no net emissions of greenhouse gases by 2050
    - economic growth is decoupled from resource use
    - no person and no place is left behind

- The European Green Deal is a plan to make the EU's economy sustainable.

- We can do this by turning climate and environmental challenges into opportunities, and making the transition just and inclusive for all.

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European Green Deal

- European Green Deal provides an action plan to
  - boost the efficient use of resources by moving to a clean, circular economy
  - restore biodiversity and cut pollution

- The plan outlines investments needed and financing tools available

- It explains how to ensure a just and inclusive transition

- EU aims to be climate neutral in 2050

- European Climate Law to turn this political commitment into a legal obligation

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European Green Deal

- Reaching this target will require action by all sectors of our economy, including
    - investing in environmentally-friendly technologies
    - supporting industry to innovate
    - rolling out cleaner, cheaper and healthier forms of private and public transport
    - decarbonising the energy sector
    - ensuring buildings are more energy efficient
    - working with international partners to improve global environmental standards

- The EU will also provide financial support and technical assistance to help those that are most affected by the move towards the green economy

- This is called the Just Transition Mechanism

- It will help mobilise at least €100 billion over the period 2021-2027 in the most affected regions

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Timeline

- 11 December 2019
    - Presentation of the European Green Deal
- 14 January 2020
    - Presentation of the European Green Deal Investment Plan and the Just Transition Mechanism
- 4 March 2020
    - Proposal for a European climate law to ensure a climate neutral European Union by 2050
    - Public consultation (open until 17 June 2020) on the European Climate Pact bringing together regions, local communities, civil society, businesses and schools

- 10 March 2020
    - Adoption of the European Industrial Strategy, a plan for a future-ready economy
- 11 March 2020
    - Proposal of a Circular Economy Action Plan focusing on sustainable resource use
- 20 May 2020
    - Presentation of the EU Biodiversity Strategy for 2030 to protect the fragile natural resources on our planet
    - Presentation of the 'Farm to fork strategy' to make food systems more sustainable

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Timeline

- 8 July 2020
  - Adoption of the EU strategies for energy system integration and hydrogen to pave the way towards a fully decarbonised, more efficient and interconnected energy sector

- 17 September 2020
  - Presentation of the 2030 Climate Target Plan

- 14 October 2020
  - Renovation wave
  - Methane Strategy
  - Chemicals strategy for sustainability

- 19 November 2020
  - Offshore renewable energy

- 9 December 2020
  - European Climate Pact

- 10 December 2020
  - European Battery Alliance

- 18 January 2021
  - New European Bauhaus

- 24 February 2021
  - New EU strategy on adaptation to climate change

- 25 March 2021
  - Organic Action Plan

- 12 May 2021
  - Zero pollution Action Plan

- 17 May 2021
  - Sustainable blue economy

- 14 July 2021
  - Delivering the European Green Deal

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Timeline

- 15 September 2021
  - New European Bauhaus: new actions and funding

- 17 November 2021
  - Proposals to stop deforestation, innovate sustainable waste management and make soils healthy

- 14 December 2021
  - New transport proposals target greater efficiency and more sustainable travel

- 15 December 2021
  - Proposal of a new EU framework to decarbonise gas markets, promote hydrogen and reduce methane emissions
  - Commission proposals to remove, recycle and sustainably store carbon

- 8 March 2022
  - REPowerEU: Joint European action for more affordable, secure and sustainable energy

- 23 March 2022
  - Options to mitigate high energy prices with common gas purchases and minimum gas storage obligations

- 30 March 2022
  - Proposals to make sustainable products the norm in the EU, boost circular business models and empower consumers for the green transition

- 5 April 2022
  - Proposals to phase down fluorinated greenhouse gases and ozone depleting substances
  - Proposals to modernise EU industrial emissions rules to steer large industry in long-term green transition

- 22 April 2022
  - The European Commission joins the European Climate Pact and pledges to make its operations climate neutral by 2030

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Timeline

- 18 May 2022
  - REPowerEU plan: affordable, secure and sustainable energy for Europe

- 22 June 2022
  - Nature protection package

- 20 July 2022
  - 'Save gas for a safe winter' proposal

- 15 September 2022
  - Proposal for an emergency market intervention to reduce energy bills for Europeans

- 26 October 2022
  - Commission proposes stronger rules for cleaner air and water

- 27 October 2022
  - The Council and the European Parliament reach a provisional political agreement on stricter CO2 emission performance standards for new cars and vans

- 10 November 2022
  - Proposal for new Euro 7 standards to reduce pollutant emissions from vehicles and improve air quality
  - Biodiversity: Stronger measures against wildlife trafficking

- 15 November 2022
  - EU Algae Initiative

- 30 November 2022
  - Circular Economy: Packaging and Packaging Waste Regulation
  - Proposal for a first EU-wide voluntary framework to reliably certify high-quality carbon removals

- 6 December 2022
  - EU agrees law to fight global deforestation and forest degradation driven by EU production and consumption

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Timeline

- 9 December 2022
  - New rules on applying the EU emissions trading system in the aviation sector

- 18 December 2022
  - EU agrees to strengthen and expand emissions trading, and creates a Social Climate Fund to help people in the transition

- 24 January 2023
  - Presentation of a 'A New Deal for Pollinators' to tackle the alarming decline in wild pollinating insects in Europe

- 1 February 2023
  - The Commission presents a Green Deal Industrial Plan to enhance the competitiveness of Europe's net-zero industry and support the fast transition to climate neutrality

- 13 February 2023
  - The Commission sets out rules for renewable hydrogen

- 14 February 2023
  - The Commission proposes 2030 zero-emissions target for new city buses and 90% emissions reductions for new trucks by 2040

- 21 February 2023
  - The Commission is presenting a package of measures to improve the sustainability and resilience of the EU's fisheries and aquaculture sector.

- 10 March 2023
  - The EU agrees stronger rules to boost energy efficiency

- 14 March 2023
  - The Commission proposes reform of the EU electricity market design to boost renewables, better protect consumers and enhance industrial competitiveness

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Timeline

- 16 March 2023
  - The Commission proposes the Critical Raw Materials Act
  - The Commission proposes the Net-Zero Industry Act
  - The Commission launches the New European Bauhaus capacity-building programme for the reconstruction of Ukraine

- 22 March 2023
  - Consumer protection: enabling sustainable choices and ending greenwashing
  - Right to repair: the Commission adopts a new proposal on common rules promoting the repair of goods

- 23 March 2023
  - Agreement reached on cutting maritime transport emissions by promoting sustainable fuels for shipping

- 28 March 2023
  - Ambitious new law agreed to deploy sufficient alternative fuels infrastructure

- 21 April 2023
  - The Commission proposes to revise the existing marketing standards of agri-food products

- 25 April 2023
  - 'Fit for 55': Council adopts key pieces of legislation delivering on 2030 climate targets
  - EU Energy Platform: Commission launches first call for companies to jointly buy gas

- 26 April 2023
  - The European Parliament and the Council reach a political agreement on the ReFuelEU Aviation proposal

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Designing a set of deeply transformative policies

The European Green Deal

- CLIMATE PACT AND CLIMATE LAW
- INVESTING IN SMARTER, MORE SUSTAINABLE TRANSPORT
- STRIVING FOR GREENER INDUSTRY
- ELIMINATING POLLUTION
- ENSURING A JUST TRANSITION FOR ALL
- FINANCING GREEN PROJECTS
- MAKING HOMES ENERGY EFFICIENT
- LEADING THE GREEN CHANGE GLOBALLY
- FROM FARM TO FORK
- PROTECTING NATURE
- PROMOTING CLEAN ENERGY

Research and Innovation

Climate Action

- European '**Climate Law**'
  - 2030 intermediate target
  - 2050 climate neutrality objective into legislation, strengthening the framework for ambitious climate action

- **EU Strategy on Climate Adaptation**
  - aims to prepare for the unavoidable impacts of climate change and make the EU climate resilient

- **European Climate Pact**
  - engage people, communities and organisations in climate action and building a greener Europe

- '**Fit for 55**' package
  - implement the EU's revised 2030 climate target of at least 55% in a responsible way
  - revising all relevant legislative measures by June 2021

- **Fluorinated greenhouse gases**

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EU Climate law

- Regulation (EU) 2021/1119 establishing the framework for achieving climate neutrality and amending Regulations (EC) No 401/2009 and (EU) 2018/1999

- intermediate target of reducing net greenhouse gas emissions by at least 55% by 2030, compared to 1990 levels

- a legal objective for the Union to reach climate neutrality by 2050

- 2030 climate target of at least 55% reduction of net emissions of greenhouse gases as compared to 1990, with clarity on the contribution of emission reductions and removals

- EU's carbon sink through land use, land-use change and forestry (LULUCF regulation)

- process for setting a 2040 climate target, taking into account an indicative greenhouse gas budget for 2030-2050

- negative emissions after 2050

- European Scientific Advisory Board on Climate Change

- provisions on adaptation to climate change

- coherence across Union policies with the climate neutrality objective

- sector-specific roadmaps charting the path to climate neutrality in different areas of the economy

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EU Adaptation Strategy

- how to the unavoidable impacts of climate change and become climate resilient by 2050

- Smarter adaptation
  - robust data and risk assessment tools
  - frontiers of knowledge on adaptation
  - Climate-ADAPT = European platform for adaptation knowledge.

- Faster adaptation
  - more quickly and comprehensively.
  - developing and rolling out adaptation solutions to help reduce climate-related risk
  - increase climate protection
  - safeguard the availability of fresh water.

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EU Adaptation Strategy

- More systemic adaptation
    - all levels of society and across all sectors of the economy
    - integrating adaptation into macro-fiscal policy
    - nature-based solutions for adaptation
    - local adaptation action.

- Stepping up international action for climate resilience
    - support for international climate resilience
    - provision of resources
    - increasing effectiveness
    - scaling up of international finance
    - stronger global engagement
    - exchanges on adaptation

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Ozone Regulation

- legal basis for the protection of the ozone layer.

- Regulation (EC) 1005/2009 on substances that deplete the ozone layer

- Objectives:
  - Obligations of the Montreal Protocol on substances that deplete the ozone layer
  - Ensure a higher level of ambition in the EU than required by the Protocol, in areas where this is technically and economically feasible

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European Climate Pact

- Communication from the Commission to the European Parliament, the Council, the European Economic and Social Committee and the Committee of the Regions COM/2020/788

- Opportunity
  - learn about climate change
  - develop and implement solutions
  - connect with others and maximise the impact of these solutions

- Participation
  - Become a Climate Pact Ambassador
  - Take climate-friendly action and make a pledge
  - Register a satellite event
  - https://ec.europa.eu/eusurvey/runner/2023ApplicationSurvey

- Objectives
  - Raise awareness of climate issues and EU actions
  - Encourage climate action & catalyse engagement
  - Connect citizens and organisations

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International action on climate change

- Global climate action
  - EU climate action around the world

- Cooperation with non-EU countries & regions
  - China
  - India
  - Indonesia
  - South Africa
  - Latin America and the Caribbean

- International climate finance
  - EU support of climate action in developing economies across the world.

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Clean Energy Transition

- Decarbonising the EU's energy system is critical to achieving our targets.

- Major strategies on
  - Energy System Integration
  - Hydrogen
  - Methane
  - Offshore Renewable Energy
  - European Battery Alliance.

- Plan to prioritise energy efficiency, develop a power sector based largely on renewable sources

- Secure and affordable EU energy supply

- Integrated, interconnected and digitalised EU energy market

- At least 32% share for renewable energy

- At least 32.5% improvement in energy efficiency by 2030

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Industry and circular economy and bulit environment

- **Industrial Strategy -** to help EU industry lead the twin green and digital transitions
  - low carbon industries
  - digital platforms
  - raw materials

- **Circular Economy Action Plan -** product lifecycle
  - electronics and ICT
  - Textiles
  - Plastics
  - food and packaging
  - waste

- **Renovation Wave**
  - double renovation rates by 2030
  - creating 160,000 green jobs

- **New European Bauhaus**
  - merging sustainability, inclusiveness, and quality of experience

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European Raw Materials Alliance

- Focus on:
  - rare earth and magnet value chains

- bolster the creation of environmentally sustainable and socially equitable innovations and infrastructure
- implement a Circular Economy of complex products like electric vehicles, clean tech, and hydrogen equipment
- support Europe's raw materials industry capability, to extract, design, manufacture and recycle materials
- promote innovation, strategic investment, and industrial production across specific value chains

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Circular Economy Action Plan

- 2018 Circular economy monitoring Framework

- Objectives
    - make sustainable products the norm in the EU
    - empower consumers and public buyers
    - focus on the sectors: electronics and ICT, batteries and vehicles, packaging, plastics, textiles, construction and buildings, food, water and nutrients
    - ensure less waste
    - make circularity work
    - lead global efforts on circular economy

Renovation wave

Renovation Wave Priorities

Tackling **energy poverty** and **worst-performing buildings**

Renovation of **public buildings**

Decarbonisation of **heating** and **cooling**

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New European Bauhaus

- a creative and interdisciplinary initiative to connect the European Green Deal to living spaces and experiences.

- bridge between the world of science and technology, art and culture.

- leveraging our green and digital challenges

- complex societal problems together through co-creation.

- sustainability, from climate goals to circularity, zero pollution, and biodiversity

- aesthetics, quality of experience and style beyond functionality

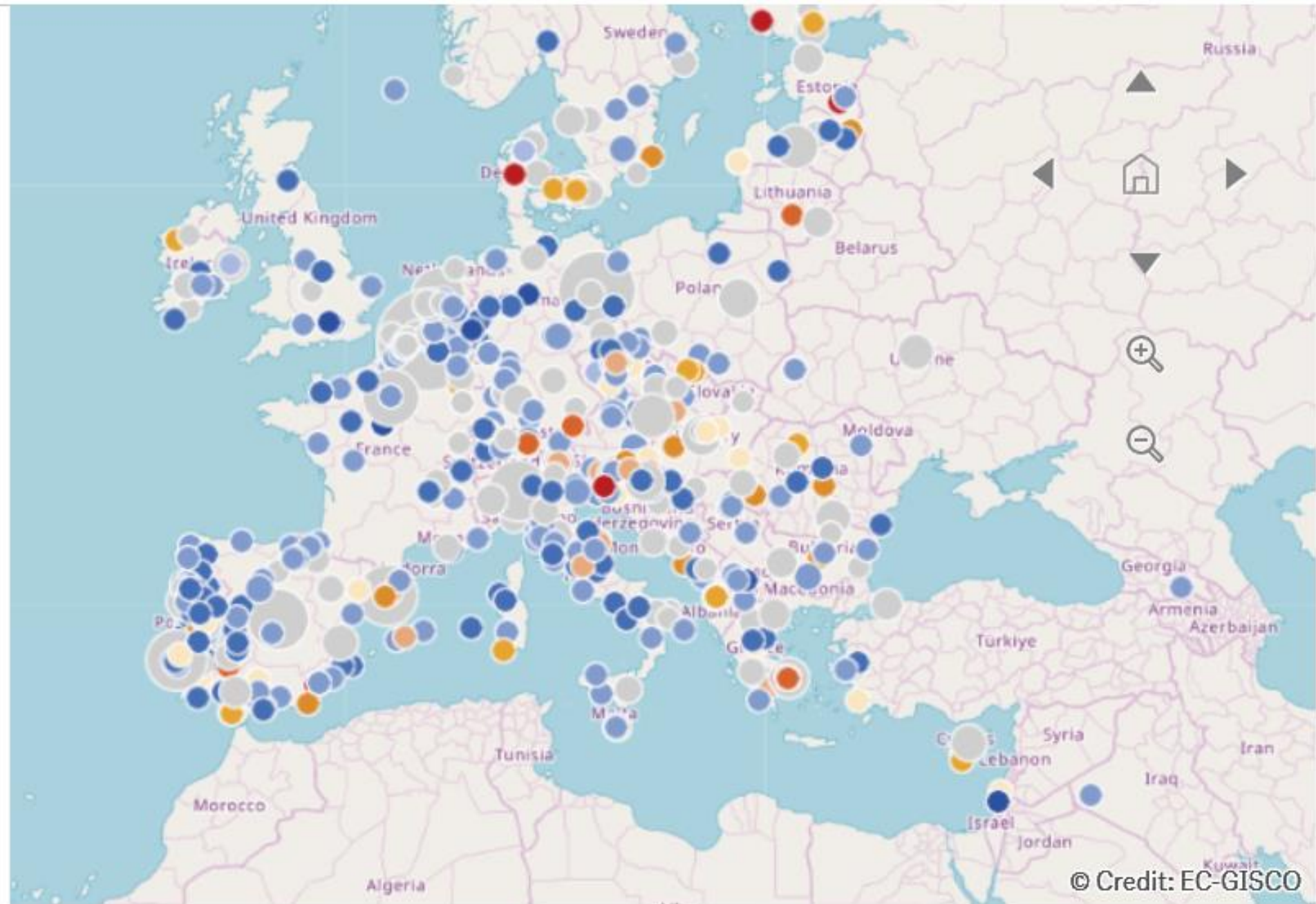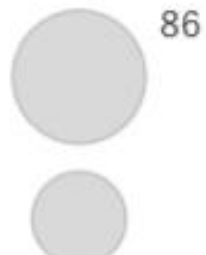- inclusion, from valuing diversity to securing accessibility and affordability

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Map of Europe

The New European
Bauhaus Projects and
Community
Point layer

Category

- ■ COSME funding: WORTH Partnership
- ■ ERDF Funding: European Urban …
- ■ ERDF funding: NEB Local Initiatives
- ■ Friends
- ■ High-level Roundtabl

Municipalities with …
86

© Credit: EC-GISCO

Ecosystem and biodiversity and „Farm to Fork"

- **EU Biodiversity Strategy for 2030**
  - protected areas (30% of land and 30% of sea in Europe)
  - increase afforestation
  - increase organic farming
  - halt and reverse decline of pollinators
  - reduce harmful pesticides

- '**Farm to Fork**' Strategy
  - chemical and hazardous pesticide use
  - excess nutrients (e.g. in soil)
  - antimicrobial resistance
  - boost organic farming
  - develop a sustainable food labelling framework
  - fight food waste and empower consumers.

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Biodiversity strategy for 2030

- Europe's biodiversity on the path to recovery by 2030

- Resilience to future threats
    - impacts of climate change
    - forest fires
    - food insecurity
    - disease outbreaks
    - protecting wildlife and fighting illegal wildlife trade

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Farm to Fork strategy

- regulatory and non-regulatory initiatives

- common agricultural and fisheries policies

- proposal for a legislative framework for sustainable food systems = end of 2023

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Chemicals strategy

- banning the most harmful chemicals in consumer products (only essential use)

- „cocktail" effect of chemicals – risks assesment

- phasing out the per- and polyfluoroalkyl substances (PFAS) (only essential use)

- production and use of safe and sustainable chemicals

- resilience of supply and sustainability of critical chemicals

- "one substance one assessment" process for the risk and hazard assessment of chemicals

- high standards and not exporting chemicals banned in the EU

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Sustainable mobilty and zero pollution

- **Sustainable and Smart Mobility Strategy**
  - EU transport system can cut emissions by 90% by 2050.

- Targets for 2030
  - 100 climate neutral European cities
  - at least 30 million zero-emission cars on European roads
  - doubling high-speed rail across Europe
  - automated mobility deployed at large scale
  - Targets for 2030 and 2035 include measures aimed at making zero-emission marine vessels and large aircraft market ready.

- **Chemicals Strategy for Sustainability and Zero Pollution Action Plan**
  - better protection of human health and the environment
  - boost innovation
  - prevent and reduce air, water, soil pollution

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Mobilising research and fostering innovation

- At least 35% of Horizon Europe funding for climate solutions

- Horizon 2020 Green Deal Call of €1 billion

- Four 'Green Deal missions' (climate adaptation, oceans, cities and soil)

- Several European Partnerships with industry and Member States

- European Institute of Innovation and Technology support to young researchers and innovators

- European Innovation Council focused on radically new, breakthrough products, services and processes

- Data and digital infrastructure in support of the ecological transition

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Horizon Europe – Green Deal Missions

Adaptation to climate change, including societal transformation

Soil health and food

Climate-neutral and smart cities

Healthy oceans, seas, coastal and inland waters

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Europe Calling - Episode 9: Europe's Green Deal: forging ahead despite pandemic and war

- What is the progress in the EU's flagship Green Deal, its vast environmental and climate program designed to make the future liveable in the face of seismic change to our planet? It was introduced in 2019 with the ambitious target of reaching net zero greenhouse gas emissions by 2050.

- The Covid pandemic and Russia's invasion of Ukraine forced the EU to re-prioritise its actions, but the pace has picked up again, served, in part, by a speedier transition to renewables and alternative energy sources.

- Tune in to this edition of "Europe Calling", where we're by joined the EU Environment, Oceans and Fisheries Commissioner Virginijus Sinkevičius, and by Slovakian MEP Martin Hojsík. We'll also meet a French farmer who walks us through one of the key planks of environmental protection and recovery: the widespread degradation of our soil and how to help it back to health.

- https://www.youtube.com/watch?v=a_d2vtVLmSg

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European Environment Network Conference 2023: Delivering the European Green Deal

- We face challenging times, marked by the impacts of the war in Ukraine, energy security concerns, rising prices, ever more costly climate impacts and an already frail economy recovering from the impacts of the pandemic. In this complex picture of multiple crises, how can Europe deliver its ambitious policy goals set under the European Green Deal?

- The conference 'Delivering the European Green Deal in unprecedented times' will take place on 22 March 2023 in Brussels and will highlight Member States' insights and experience in turning EU policy goals into concrete actions.

- https://www.youtube.com/watch?v=QL81f5-TJdQ

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