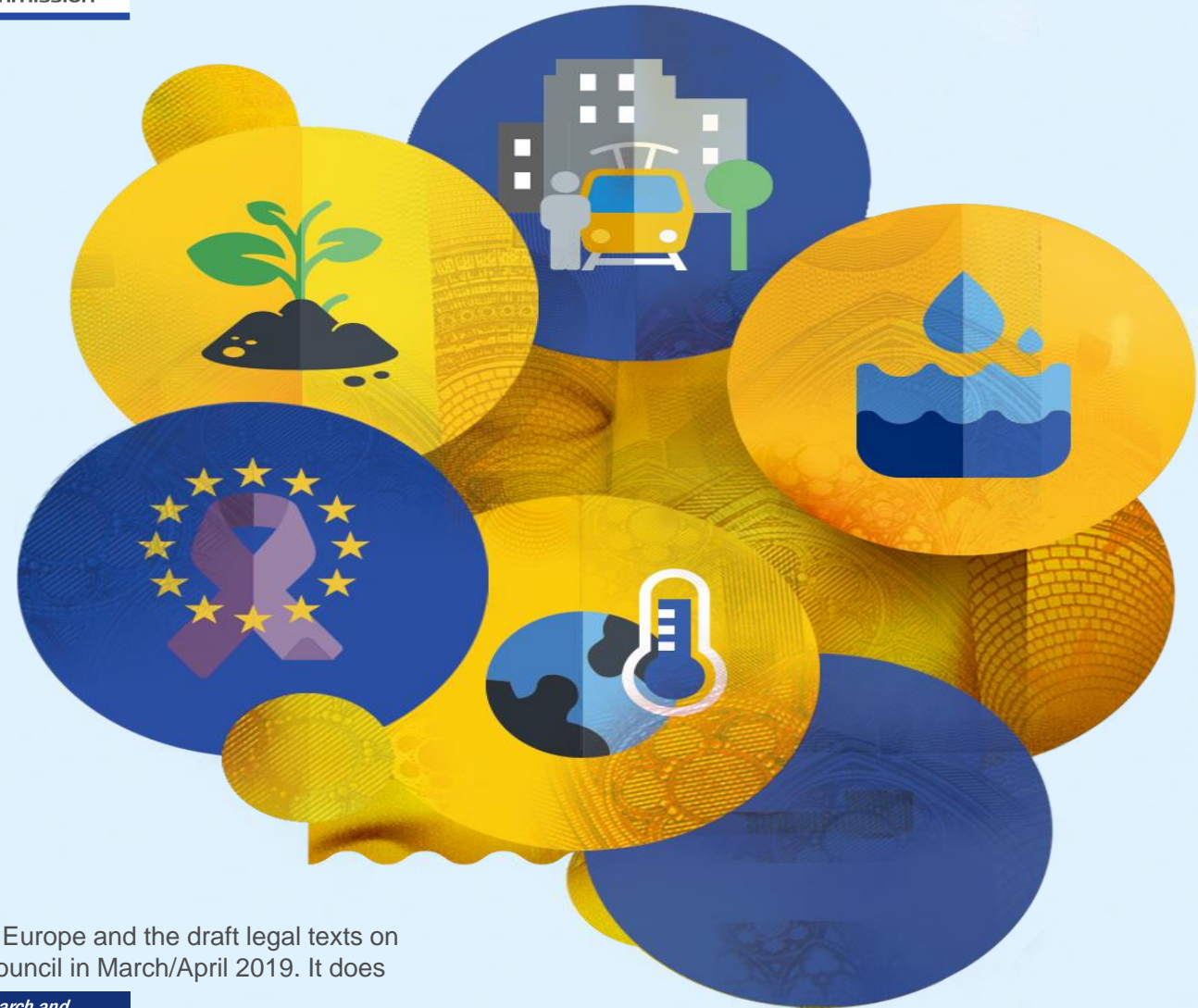


Horizon Europe Missions

Climate-neutral and Smart Cities

#HorizonEU #EUmissions



This presentation is based on the Commission Proposals for Horizon Europe and the draft legal texts on Horizon Europe agreed between the European Parliament and the Council in March/April 2019. It does not represent the official view of the European Commission.

Missions

Research and innovation missions

- Strong visibility and impact
- Achieve a bold, inspirational and measurable goal within a set timeframe
- Find solutions to some of the major challenges faced by European citizens

R&I Missions

- Be **bold and inspirational**, with wide societal relevance;
- Indicate a **clear direction**: targeted, measurable and time-bound;
- Be **ambitious but realistic** research and innovation actions;
- Spark **innovation across disciplines**, sectors and actors;
- Be based on a **bottom-up approach** of multiple solutions
- **Engage citizens** in co-designing, co-creating, co-implementing and co-assessing missions



What a EU mission is NOT

Missions are an entirely new approach based on portfolios of actions working towards broadly defined goals, and should not be confused with existing methods and instruments i.e. missions are not the same as

- R&I Programmes
- R&I Partnerships
- Focus Areas from Horizon 2020
- Single projects or topics
- Horizon Europe Clusters

Adaptation to climate change, including societal transformation



Chairs of the Mission Boards



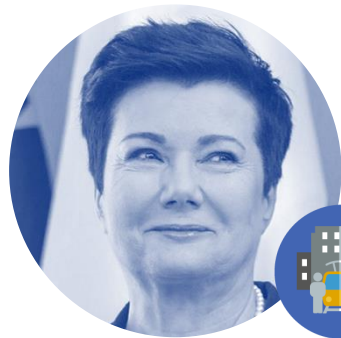
Connie Hedegaard
Adaptation to Climate
Change including Societal
Transformation



Pascal Lamy
Healthy Oceans,
Seas, Coastal and
inland Waters



Walter Ricciardi
Cancer



**Hanna Gronkiewicz-
Waltz**
Climate-Neutral and
Smart Cities



Cees Veerman
Soil health and Food



European
Commission

Mission Board for Climate-neutral and Smart Cities



**Hanna
GRONKIEWICZ-WALTZ**



**Allan
LARSSON**



**Katrine Krogh
ANDERSEN**



**Anna Lisa
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FERRAO**



**Emmanuel
FOREST**



**Romana
JORDAN**



**Barbara
LENZ**



**Julio
LUMBRERAS**



**Chrysses
NICOLAIDES**



**Joakim
REITER**



**Martin
RUSS**



**Anne
SULLING**



**Maria
VASSILAKOU**

Mission Boards

- Top-level independent experts (max 15 per mission area)
- Sectoral, gender and geographical balance
- Mixture of high level profiles from research and academia, industry, innovation and business, policy, public sector, citizens associations, public engagement and science education, international agencies, civil society organisations, foundations, finance and communication

Climate-neutral and Smart Cities – Definition and issues at stake



Climate-neutral and Smart Cities Issues at stake

- Cities occupy 3% of the planet's landmass but consume over 65% of the world's energy and account for more than 70% of the global CO₂ emission
- 75% of the European citizens live in cities and expected to raise to 85% by 2050
- Paris Agreement and Agenda 2030
- European Green Deal: Europe first climate neutral continent by 2050, more ambitious target for 2030





Climate-neutral and Smart Cities Mission proposal

100 Climate Neutral Cities by 2030 by and for citizens

- Establish a mission that will support and promote 100 European cities in their systemic transformation towards climate-neutrality by 2030;
- Direct impact on climate and associated benefits on citizens' wellbeing (air quality, healthier lifestyle...) and job creation.



Climate-neutral and Smart Cities

« By and for citizens »

Citizens are:

- Political actors in the city governance structure

As well as

- Users, producers, consumers and owners

Citizens and civil society have a primary role in driving systemic transition towards climate neutrality of cities

Climate-neutral and Smart Cities

Horizon 2020 Green Deal Call

- LC-GD-1-2-2020: Towards climate-neutral and socially innovative cities
- Objective: support cities in their systemic transformation towards climate neutrality leveraging, in particular, technological, non-technological and social innovation and new AI-based solutions.
- Cities:
 - A city district (neighbourhood or zone of special interest of a city administered or governed by some type of “district council”),
 - A city represented by a government unit (e.g. municipality)
 - An urban area (conglomeration or a functional area composed of many neighbouring cities or government units, represented by the respective government units).

Climate-neutral and Smart Cities Horizon 2020 Green Deal Call

Impact:

- Contribution to achieving climate neutrality by 2030 in the participating leading cities and districts
- Implementation of the Green Deal through social innovation that empowers cities and local communities
- Mobilise the demand (citizens' needs) to lead the transition to climate neutrality

Climate-neutral and Smart Cities Horizon 2020 Green Deal Call

Scope:

- Develop a **one-stop shop platform** to help cities implement their climate action plans and related social innovation action plans providing the necessary technical, regulatory, financial and socio-economic expertise and assistance

Who can be involved:

- Research organisations, academia, industry including social entrepreneurs, the financial sector including impact financiers, investors, philanthropists, NGOs, national and local authorities and citizens.

Four Activities – all to be addressed in the proposal

1. Climate action plans and Green Deal innovation
2. Investment project preparation and finance
3. Social innovation and citizens' engagement
4. Research and Innovation for climate-neutral transformation of cities

Climate-neutral and Smart Cities – Next steps

Missions – Next steps

- Missions will now enter into a (max. 12 month) **preparatory phase**, during which detailed **implementation plans**, including objectives, budget and indicators, will be developed.
- Dedicated actions will also be included in the **Horizon Europe work programme**. These actions will lay the foundations for the missions , to enhance the potential for **rapid scaling up** of the investments after the conclusion of the preparatory phase.
- The preparatory phase can include **proportionate outreach** and stakeholders engagement activities of candidate missions.

Missions – Implementation plan

- During the preparatory phase each mission will prepare a detailed **implementation plan**, which will include the intervention logic and actions to be supported, investment strategy and indicators.
- Member States will be consulted through the preparatory stage **via the SPC and the mission sub groups**.
- At the end of the preparatory phase, the Commission will take a decision on the missions to enter the full implementation phase, which will **be based on the criteria of the Regulation for Horizon Europe** and the feasibility for success as shown by the strength of the implementation plan.



Thank you!

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<http://ec.europa.eu/horizon-europe>