

9 th ECTP Conference  
The EU Construction Industry at the heart of the Green and Digital Transitions  
*Materials and Sustainability session*

---

# The beginning of a new framework program: Views and opportunities in materials for a sustainable transition

*03 December 2021*

*Olga Rio & Piero de Bonis  
Policy Officers  
Unit Clean Energy Transition  
Directorate for a Clean Planet  
DG Research & Innovation  
European Commission*



# Strategic context

- The EU has set very ambitious targets to achieve climate neutrality, including intermediate targets (e.g. -55% GHG emissions by 2030).
- The challenge for the EU is how to achieve climate neutrality in an economically, environmentally and socially sustainable way.
- Energy transition requires a comprehensive economic and societal transformation, engaging all EU Industry sectors.
- Innovation from a competitive European industry has a key role in pursuing all these different goals simultaneously and in an efficient way.
- The R&I Policy Framework need to fully leverage the potential of EU industry for meeting competitive sustainability, renovation wave targets, NEB...
- R&I policies and programmes need to be coordinated or aligned with industrial policies in a systemic approach

# Materials, Circularity and Sustainability



***Advanced Materials are strategic enablers of Circularity and Sustainability and are at the core of the clean energy transition***

# HORIZON EUROPE. PILLAR 2 - CLUSTERS



# Construction materials in Horizon Europe Pillar 2

- Industrial-oriented and energy-oriented material R&I is an important pillar for Horizon Europe and also an aspect well addressed by the sustainable construction and construction material sector
- Examples (2021-2022):
  - Cluster 4 different destinations and dedicated partnerships like: Clean Steel. Low Carbon Steelmaking, Process4Planet or Made in Europe co-programmed Partnerships. (construction: 7 call topics)
  - Cluster 5 mainly in destinations 3 (Sustainable, secure and competitive energy supply) and 4 (Highly energy-efficient and climate neutral EU building stock, and Industrial facilities in the energy transition), and dedicated co-programmed partnership like Build4People or co-funded with MS partnerships like Clean Energy Transition or Driving Urban Transition. Mission on cities (22 call topics)
  - Other clusters: 6 call topics.





# Thank you!

## # HorizonEU

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



© European Union 2021

Unless otherwise noted the reuse of this presentation is authorised under the [CC BY 4.0](https://creativecommons.org/licenses/by/4.0/) license. For any use or reproduction of elements that are not owned by the EU, permission may need to be sought directly from the respective right holders.  
Image credits: © ivector #235536634, #249868181, #251163013, #266009682, #273480523, #362422833, #241215668, #244690530, #245719946, #251163053, #252508849, 2020. Source: Stock.Adobe.com. Icons © Flaticon – all rights reserved.