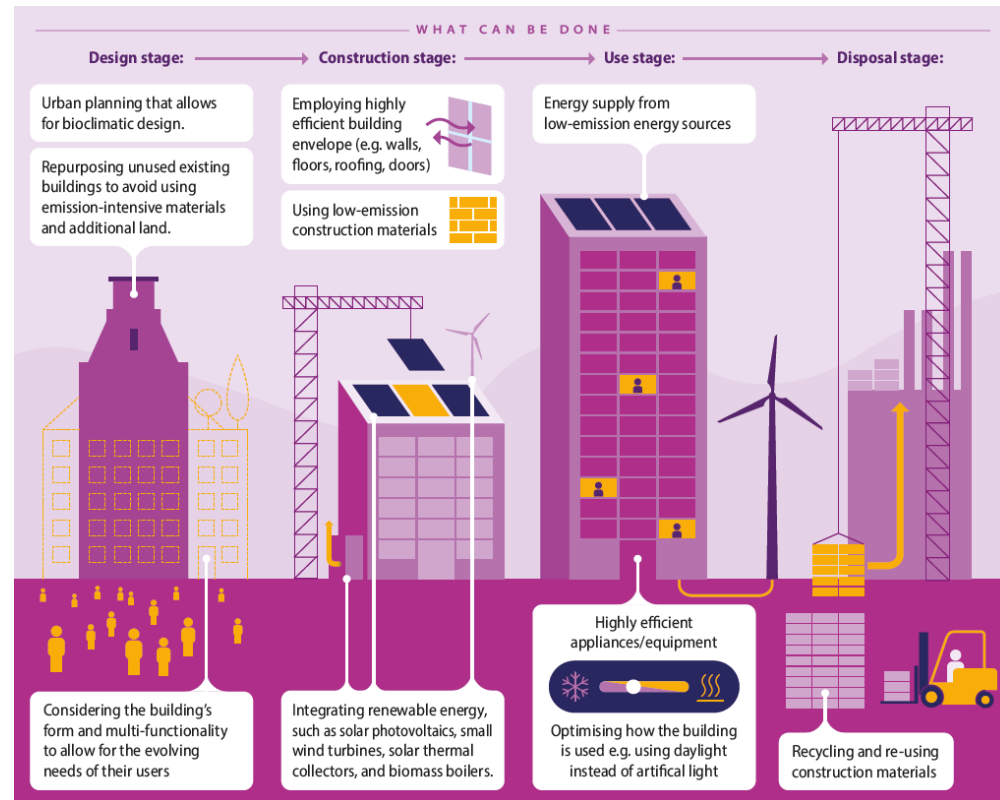
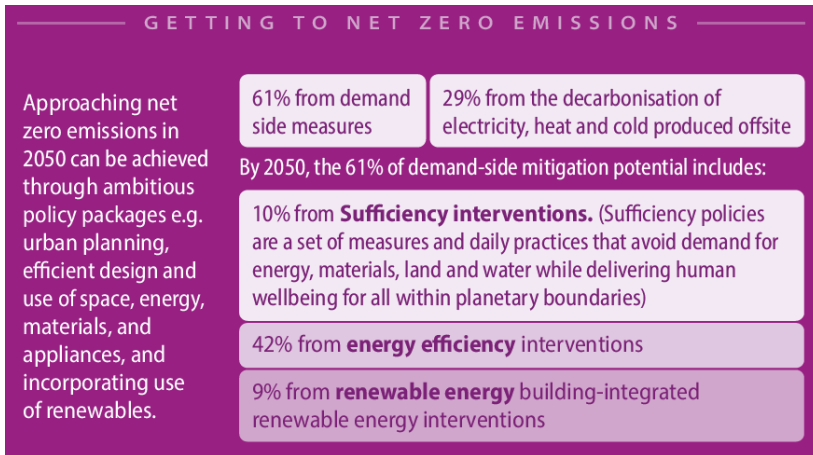
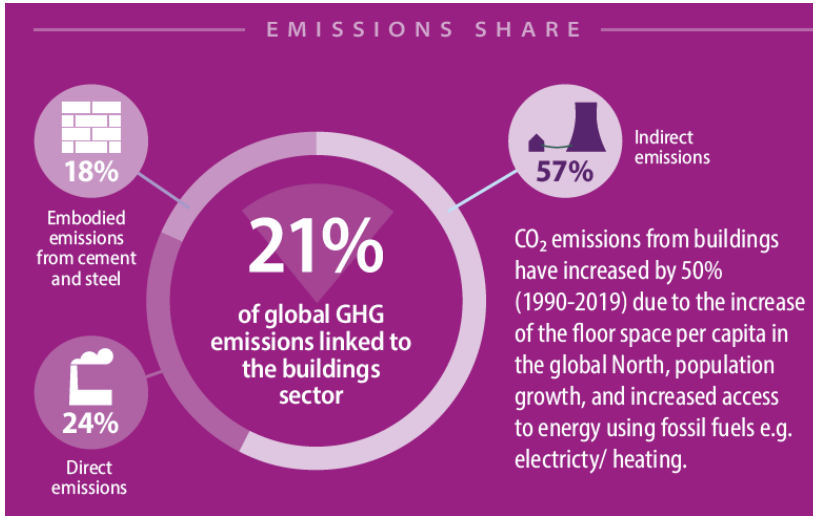


# El sector de l'edificació i la descarbonització

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Jornades - Full de ruta cap a la descarbonització.  
Reptes i dificultats


Enginyers Industrials de Catalunya  
Barcelona, 7 de març de 2023




# El sector de l'edificació

## WHAT ELSE CAN WE DO?


**Building energy codes** (e.g. for insulation) are especially effective if compulsory and combined with other regulatory instruments such as minimum energy performance standards for appliances and equipment.



Limiting the **use of land**, property taxes to limit urban sprawl, and prioritising multi-family buildings over single-family homes.



**Reduce demand** for cooling, heating, ventilation, and artificial lighting through sufficiency measures such as bioclimatic design (considering the expected future climate), nature based solutions (e.g. green roofs), and white walls.




## ENABLERS






Building technical and institutional capacity, developing skills, setting appropriate governance structures, and ensuring the flow of finance can help achieve mitigation potential.

## BARRIERS




Global investment in the decarbonisation of buildings was estimated at USD164 billion in 2020, which is not enough to close the investment gap. Between 2026-2030 annual investment needs are estimated at USD711 billion.

Increasing size of dwellings despite smaller households, especially in developed countries


Low renovation rates and low ambition for renovation work in developed countries

Reliance on fossil fuels for electricity and heating



Increase in use and size of appliances, especially ICT and cooling, driven by higher incomes.

Inefficiency of new buildings, especially in developing countries



Lack of appropriate governance structures and institutional capacity

- La UE pretén ser climàticament neutra l'any 2050, una economia amb zero emissions netes de gasos d'efecte hivernacle
- Aquest objectiu es troba al cor de l'Acord Verd Europeu (Green Deal) i en línia amb el compromís de la UE amb l'acció climàtica global en virtut de l'Acord de París
- Totes les parts de la societat i els sectors econòmics hi jugaran un paper, des del sector elèctric fins a la indústria, la mobilitat, la construcció, l'agricultura i la silvicultura
- La UE pot liderar el camí invertint en solucions tecnològiques realistes, empoderant els ciutadans i alineant les accions en àrees clau com la política industrial, les finances i la investigació, alhora que garanteix l'equitat social per a una transició justa

[https://climate.ec.europa.eu/eu-action/climate-strategies-targets/2050-long-term-strategy\\_en](https://climate.ec.europa.eu/eu-action/climate-strategies-targets/2050-long-term-strategy_en)



# Acknowledgements

This work was partially funded by the Ministerio de Ciencia e Innovación - Agencia Estatal de Investigación (AEI) (PID2021-123511OB-C31 - MCIN/AEI/10.13039/501100011033/FEDER, UE), Ministerio de Ciencia e Innovación - Agencia Estatal de Investigación (AEI) - NextGeneration EU (PCI2020-120695-2 and TED2021-129462B-I00 - MCIN/AEI/10.13039/501100011033/NextGenerationEU/PRTR).

Funding has also been received from European Union's Horizon 2020, Horizon Europe research and innovation programs, under the projects SWS-HEATING (764025), SolBio-Rev (814945), CSPplus (Cofund ERA-NET Action, N° 838311), CO-COOL (101007976), NitRecerCat (101061189), HYBRIDplus (101084182), THUMBS UP (101096921), CSTO2NE (101086302), CircularB (COST Action CA21103), MoReCCU (EIT Manufacturing 23249), SUSHeat (101103552).

This work is partially supported by ICREA under the ICREA Academia programme. The authors would like to thank the Departament de Recerca i Universitats of the Catalan Government for the quality accreditation given to their research group (2021 SGR 01615).

GREiA is certified agent TECNIO in the category of technology developers from the Government of Catalonia.



Thank you for your attention!



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