



Sodobni kompoziti v gradbeništvu

Raziskave, predpisi in Novi evropski Bauhaus

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12.10.2021

JRC v EU

Vodstvo v **Bruslju**,
raziskovalne enote v
5 Državah:

Belgija (Geel)

Nemčija (Karlsruhe)

Italija (Ispra)

The Nizozemska (Petten)

Španija (Seville)

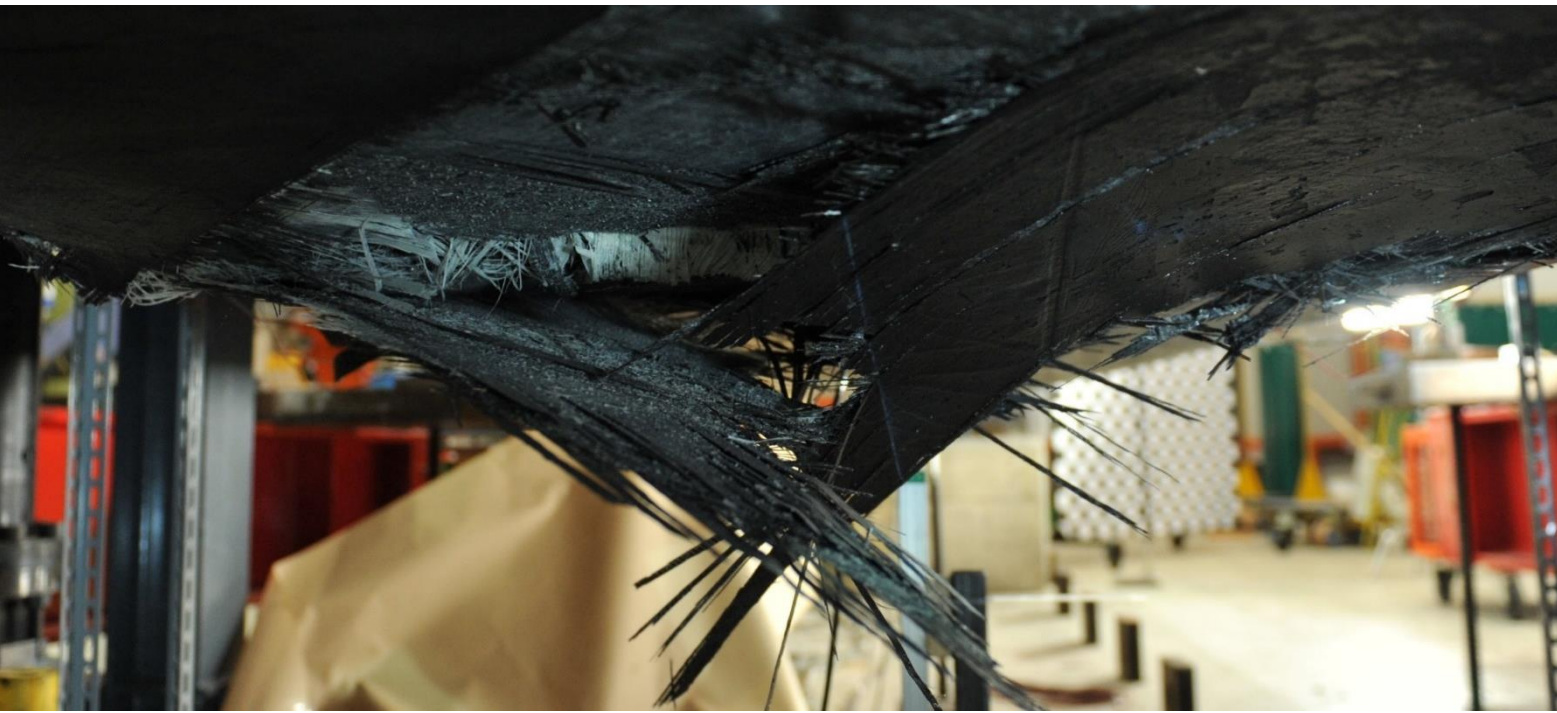












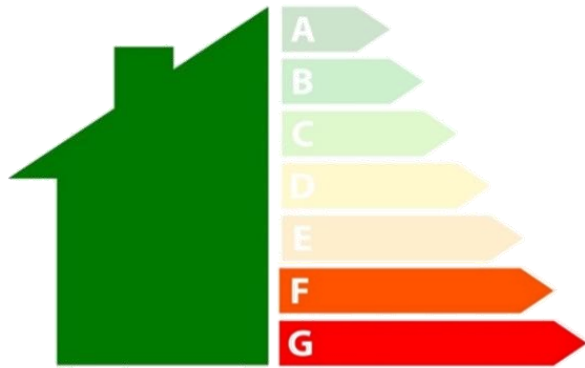








Nekaj dejstev o stavbah v EU



75% stavb je energijsko neučinkovitih



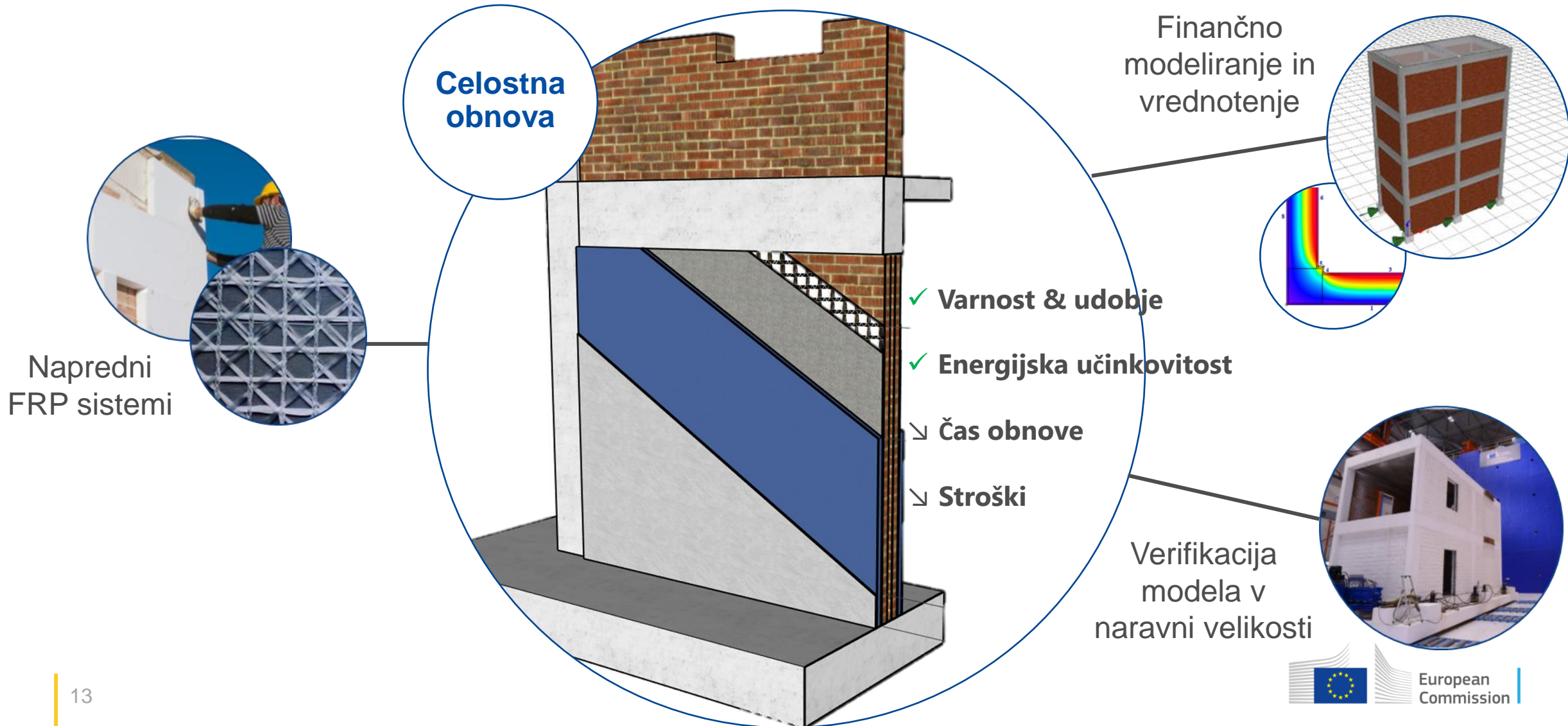
36% emisij CO₂

40% celotne energijske porabe EU



Prek **170 milijonov** Evropejcev je izpostavljenih potresni nevarnosti

iRESIST+ Energijska IN protipotresna obnova

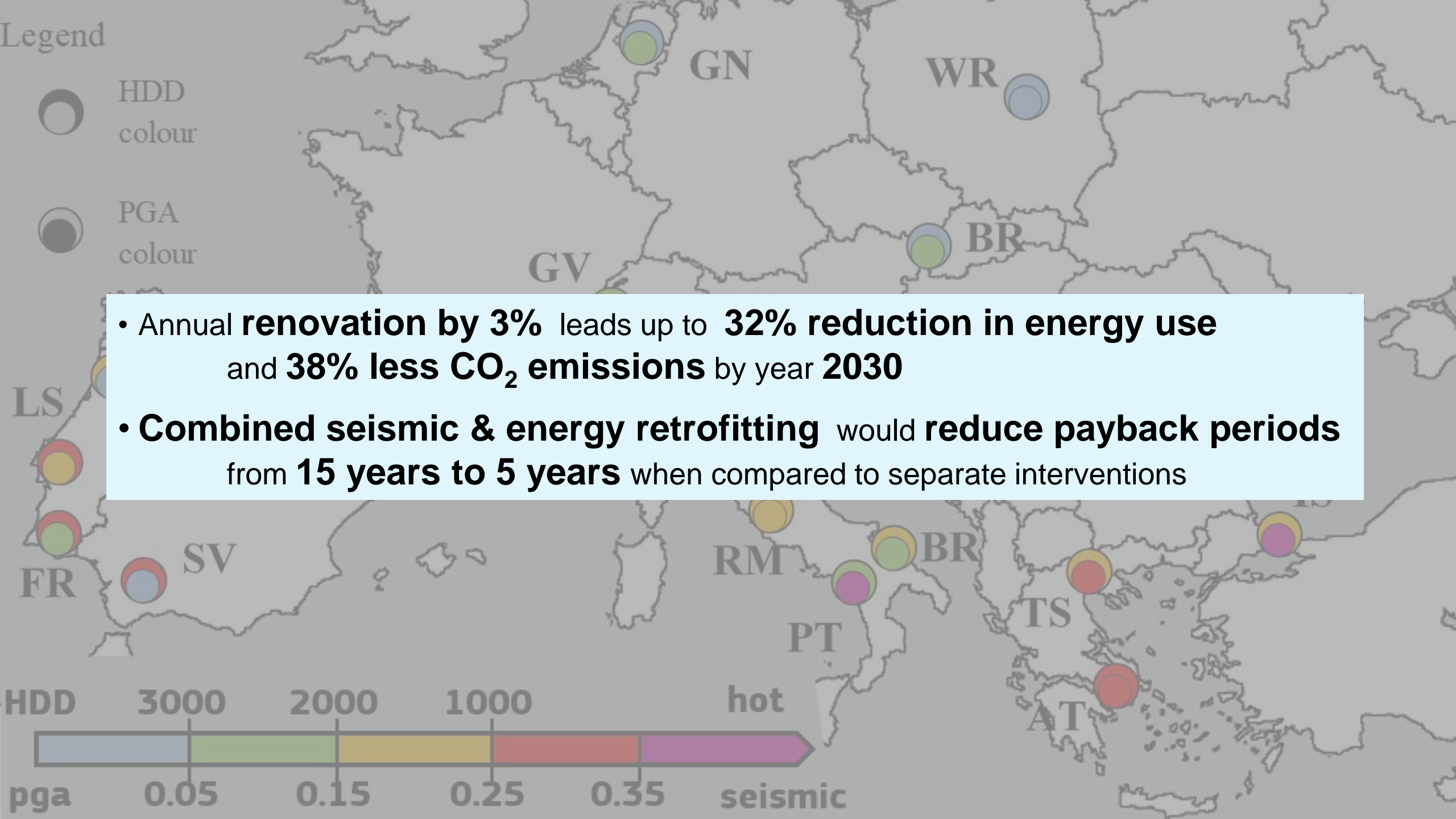
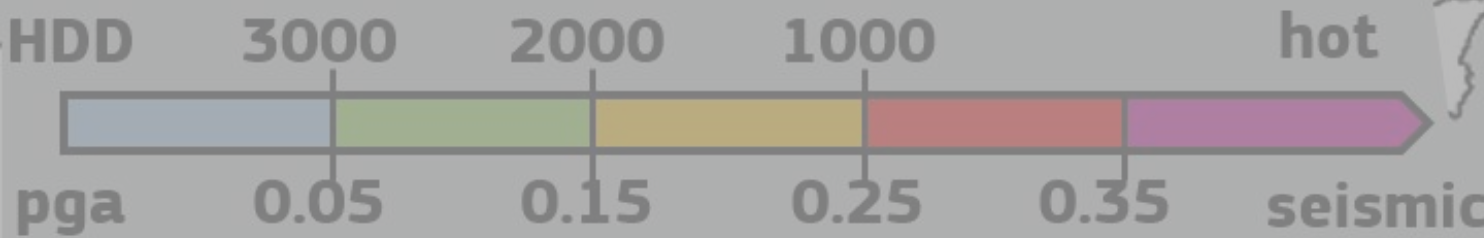


Legend

HDD
colour

PGA
colour

- Annual **renovation by 3%** leads up to **32% reduction in energy use** and **38% less CO₂ emissions** by year **2030**
- **Combined seismic & energy retrofiting** would **reduce payback periods** from **15 years to 5 years** when compared to separate interventions





Novi evropski Bauhaus

Novi evropski **Bauhaus** prevede **Zeleni dogovor** v oprijemljivo in pozitivno izkušnjo h kateri lahko prispevamo vsi v dobro vseh.



Razpisi – grajeno okolje

	Title	2021				2022				2023	Reference
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	
Dedicated calls	Support the deployment of lighthouse demonstrators for the New European Bauhaus initiative in the context of Horizon Europe missions										HORIZON-MISS-2021-NEB-01-01
	Social and affordable housing district demonstrator (IA)										HORIZON-CL4-2021-RESILIENCE-02-32
	Collaborative local governance models to accelerate the emblematic transformation of urban environment and contribute to the New European Bauhaus initiative and the objectives of the European Green Deal										HORIZON-MISS-2021-CIT-01-02
	Strengthening European coordination and exchange for innovation uptake towards sustainability, quality, circularity and social inclusion in the built environment as a contribution to the new European Bauhaus (Built4People)										HORIZON-CL5-2021-D4-02-03
	The New European Bauhaus – shaping a greener and fairer way of life in creative and inclusive societies through Architecture, Design and Arts										HORIZON-CL2-2022-HERITAGE-01-10
	Technical assistance for public authorities										European Regional Development Fund (ERDF)
	European Urban Initiative										European Regional Development Fund (ERDF)
	Affordable Housing Initiative										SMP-COSME-2021-HOUS-01

Razpisi - industrija

	Title	2021				2022				2023	Reference
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	
Dedicated calls	Circular Economy, resources from Waste, Air, Water, Soil, Noise, Chemicals, Bauhaus										LIFE-2021-SAP-ENV-ENVIRONMENT
	Acceleration of the New European Bauhaus start-ups by the EIT										Horizon Europe (HORIZON)
	Worth Partnership Project										Single Market Programme(SMP)
	The Big Buyers Collective Intelligence and Action Programme										EISMEA/2021/OP/0006

Razpisi - družba

	Title	2021				2022				2023	Reference
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	
Dedicated calls	New European Bauhaus Knowledge Sharing Platform										Programme for the Environment and Climate Action (LIFE)
	European Youth Together*										ERASMUS + Programme (ERASMUS)
	eTwinning 2022: 'Our future beautiful, sustainable, together: Schools and the New European Bauhaus' **										ERASMUS + Programme (ERASMUS)
	European Innovative Teaching Award 2022										ERASMUS + Programme (ERASMUS)
	DiscoverEU 2022*										ERASMUS + Programme (ERASMUS)

Kompoziti in predpisi

- Obstajajo smernice – guidelines
<https://publications.jrc.ec.europa.eu/repository/handle/JRC99714>
- CEN TC250 pripravil Final Draft prCEN/TS 19101 **Design of Fibre-polymer composite structures**
- Eurocode za FRP po 2023



JRC SCIENCE FOR POLICY REPORT

PROSPECT FOR NEW GUIDANCE IN THE DESIGN OF FRP

Support to the implementation, harmonization and further development of the Eurocodes

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Editors

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2016



Sodelujte z nami – Razpis JRC ELSA

JRC odpira **dostop do ELSA reakcijske stene** za raziskovalce, industrijo ter mala in srednje velika podjetja. Do 16.01.2022

<https://publications.jrc.ec.europa.eu/repository/handle/JRC99714>



Področja

Multidisciplinarni projekti s področja
Novega evropskega Bauhausa

Varna in zelena obnova stavb

Nanomateriali v stavbah in drugih
konstrukcijah

Varnost stavb izpostavljenih
različnim tveganjem, tudi
klimatskim spremembam

Novi materiali in tehnologije

Trajnostna gradnja

Nove tehnike preiskovanja
konstrukcij

Hvala

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