



BIM4ENERGY ERASMUS+

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BIM digital competencies to evaluate and improve the energy efficiency of European buildings.

A digital way towards positive energy districts

# Requirements and difficulties to apply for grants for the energy rehabilitation of buildings

Speaker: Ceuti Municipality

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Ayuntamiento de Ceuti



Universidad Politécnica de Cartagena





# BIM4Energy



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## Goal 7:

Ensure access to  
affordable, reliable,  
sustainable and  
modern energy for all.





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## Energy poverty:

- Situation in which households are unable to access essential energy services and products
- Nearly 34 million Europeans unable to afford keeping their home adequately warm
- Inefficient buildings are often synonymous with energy poverty and social problems
- People with low incomes have little control over their energy expenditure, causing a vicious circle of high energy bills and problems with wellbeing and health.
- People in inefficient buildings are more exposed to cold spells, heatwaves and other impacts of climate change
- Inadequate comfort and sanitary conditions in housing and work environments contribute to lower productivity, health problems and higher mortality and morbidity.



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## Energy poverty in Spain:

- Spain in 2008: 6.8 million people (15%) had difficulties to keep their household at an adequate temperature, for 8 million people (17%) energy expenses were disproportionately high with reference to their income, 5.7 million people (17%) had an unusually low expenditure (hidden poverty)
- In 2021 the Region of Murcia is situated in many aspects over the national average: 21,4% had difficulties to keep their household at an adequate temperature, for 23,34% energy expenses were disproportionately high with reference to their income.
- Other implications: health, school absenteeism, lack of hygiene when needing to look for a job....



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- NextGenerationEU provide an unprecedented opportunity to set off the Renovation Wave
- Cohesion Policy – e.g. European Regional Development Fund
- European Agricultural Fund for Rural Development
- InvestEU - programme to provide technical assistance and financing backed by an EU budget guarantee to unlock private investments. E. g.: ESCOs



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## Component 2:

- Neighborhood renovation.
- Renovation (retrofitting) offices
- Energy efficiency improvement in dwellings
- Elaboration of digital building logbook
- Construction of dwellings for social rent
- 30% of primary energy saving in 160000 dwellings end 2023
- 30% of primary energy saving in 355000 dwellings first semester 2026





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Grants – Region of Murcia – buildings and dwellings renovation:

Ahorro energético conseguido con la actuación	Porcentaje máximo de la subvención del coste de la actuación	Vivienda	Locales comerciales u otros usos
		Cuantía máxima de la ayuda por vivienda (euros)	Cuantía máxima de la ayuda por m2 (euros)
$30\% \leq \Delta C_{ep,nren} < 45\%$	40	6.300	56
$45\% \leq \Delta C_{ep,nren} < 60\%$	65	11.600	104
$\Delta C_{ep,nren} \geq 60\%$	80	18.800	168



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## Grants – Region of Murcia – buildings and dwellings renovation:

VULNERABILIDAD ECONÓMICA (euros)

Ahorro energético conseguido con la actuación	Cuantía máxima de la ayuda por vivienda en situación de VULNERABILIDAD ECONÓMICA (euros)	
	Edificios plurifamiliares	Vivienda unifamiliar
$30\% \leq \Delta C_{ep,nren} < 45\%$	15.750	20.250
$45\% \leq \Delta C_{ep,nren} < 60\%$	17.846	22.308
$\Delta C_{ep,nren} \geq 60\%$	23.500	26.750



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## Grants – Region of Murcia – buildings and dwellings renovation:

2. La cuantía de la subvención será del 40% de la inversión subvencionable por vivienda, de acuerdo a los siguientes umbrales:

Vivienda			
Inversión mínima subvencionable	Cuantía mínima de subvención	Inversión máxima subvencionable	Cuantía máxima de subvención
1.000,00€	400,00€	7.500,00€	3.000,00€



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## Big opportunity to fight energy poverty, but:

- In extreme cases of very vulnerable people, grants may reach 100%, but fees like building permits are not included. Moreover, the grant is paid once the renovation work is finished. The government changed that in 2023, advancing 50%, but still you need to pay the other 50%.
- The application and understanding of these calls is very complicated, people who suffer energy poverty quite often they have a lower level of studies. It is possible to execute the grant through a renovation agent, but still it is difficult to understand and be aware of this opportunity.





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## Big opportunity to fight energy poverty, but:

- You need to submit a Project or memory signed by a professional with inclusion of the energy certificate before and after the renovation work. This cost is eligible, but once you get the grant, but you do not know if you will get it or not when you pay for that service.
- It is possible to apply for a grant for the elaboration of the digital building logbook, but it covers part of the cost and it is another call with another application process.
- Many people suffering energy poverty are renting a house. They still may apply for the grant, but need an agreement with the owner. Danger that the rent is later increased.





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## Big opportunity to fight energy poverty, but:

- Municipalities may apply for grants, so that the beneficiaries are the citizens, specially those more vulnerables.
- But municipal workers may do not have the technical knowledge to prepare an application of this kind.
- They need to pay external consultants, which are very expensive.
- In the end the bigger municipalities, with bigger working teams and money to pay external consultants may have access to these grants.
- In the region of Murcia the neighborhood renovation program was offered as a direct grant to all municipalities. Only some of them were capable of preparing all the necessary documentation.



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## Conclusions:

- BIM4ENERGY is a great opportunity for municipal workers to be more prepared to apply for future grants
- Citizens may have access to very valuable information and assess whether it is worthwhile to be embarked in all the process of applying for a grant
- Maybe in the future, things will improve thanks to the renovation wave initiative, specially in relation to: Increasing the capacity to prepare and implement projects and using renovation as a lever to address energy poverty and access to healthy housing.



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Thank you 😊

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