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RCREEE
Regional Center for Renewable Energy and Energy Efficiency
المركز الاقليمي للطاقة المتجددة وكفاءة الطاقة



Mitigation Enabling Energy Transition in the MEDiterranean region

PREE 5000 A financing tool for energy efficiency in buildings

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11th May 2023

Marrakech



PREE 5000

Programa de Rehabilitación
Energética de Edificios



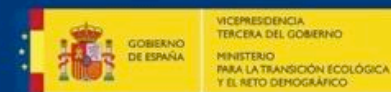
C2.I4 Program for the energy renovation of buildings in municipalities with a demographic challenge



#PlanDeRecuperación



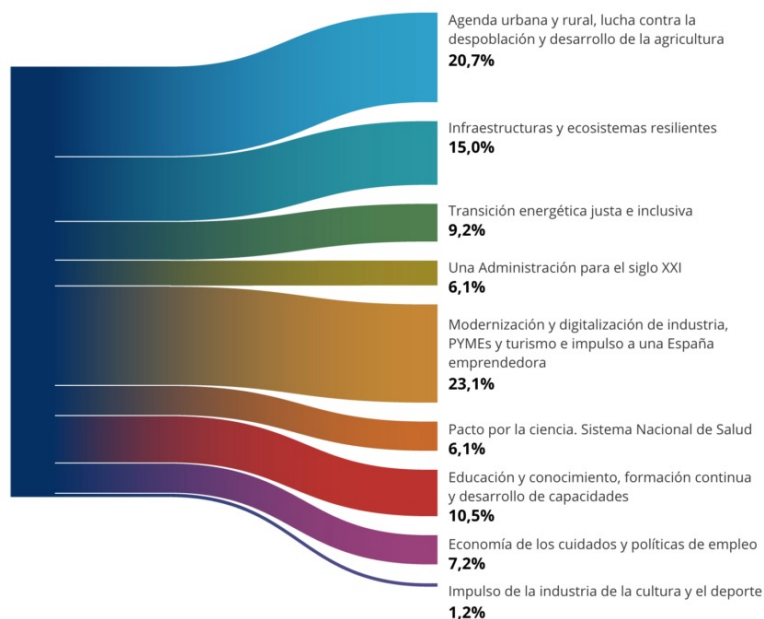
Financiado por la Unión Europea
NextGeneraciónEU



Recovery, Transformation and Resilience Plan



10 Lever policies 30 components



Periodo 2021-26
69.528
millones de euros

PREE y PREE 5000

- PALANCA I** Agenda urbana y rural, lucha contra la despoblación y desarrollo de la agricultura
- Componente 1: Plan de choque de movilidad sostenible, segura y conectada en entornos urbanos y metropolitanos
 - **Componente 2: Plan de rehabilitación de vivienda y regeneración urbana**
 - Componente 3: Transformación ambiental y digital del sistema agroalimentario y pesquero

- PALANCA II** Infraestructuras y ecosistemas resilientes
- Componente 4: Conservación y restauración de ecosistemas y su biodiversidad
 - Componente 5: Preservación del litoral y recursos hídricos
 - Componente 6: Movilidad sostenible, segura y conectada

- PALANCA III** Transición energética justa e inclusiva
- Componente 7: Despliegue e integración de energías renovables
 - Componente 8: Infraestructuras eléctricas, promoción de redes inteligentes y despliegue de la flexibilidad y el almacenamiento
 - Componente 9: Hoja de ruta del hidrógeno renovable y su integración sectorial
 - Componente 10: Estrategia de Transición Justa

- PALANCA IV** Una Administración para el siglo XXI
- Componente 11: Modernización de las Administraciones públicas

- PALANCA V** Modernización y digitalización del tejido industrial y de la pyme, recuperación del turismo e impulso a una España nación emprendedora
- Componente 12: Política Industrial España 2030
 - Componente 13: Impulso a la pyme
 - Componente 14: Plan de modernización y competitividad del sector turístico
 - Componente 15: Conectividad Digital, impulso de la ciberseguridad y despliegue del 5G

- PALANCA VI** Pacto por la ciencia y la innovación. Refuerzo a las capacidades del Sistema Nacional de Salud
- Componente 16: Estrategia Nacional de Inteligencia Artificial
 - Componente 17: Reforma institucional y fortalecimiento de las capacidades del sistema nacional de ciencia, tecnología e innovación
 - Componente 18: Renovación y ampliación de las capacidades del Sistema Nacional de Salud

- PALANCA VII** Educación y conocimiento, formación continua y desarrollo de capacidades
- Componente 19: Plan Nacional de Competencias Digitales (digital skills)
 - Componente 20: Plan estratégico de impulso de la Formación Profesional
 - Componente 21: Modernización y digitalización del sistema educativo, incluida la educación temprana de 0 a 3 años

- PALANCA VIII** Nueva economía de los cuidados y políticas de empleo
- Componente 22: Plan de choque para la economía de los cuidados y refuerzo de las políticas de inclusión
 - Componente 23: Nuevas políticas públicas para un mercado de trabajo dinámico, resiliente e inclusivo

- PALANCA IX** Impulso de la industria de la cultura y el deporte
- Componente 24: Revalorización de la industria cultural
 - Componente 25: España hub audiovisual de Europa (Spain AVS Hub)
 - Componente 26: Plan de fomento del sector del deporte

- PALANCA X** Modernización del sistema fiscal para un crecimiento inclusivo y sostenible
- Componente 27: Medidas y actuaciones de prevención y lucha contra el fraude fiscal
 - Componente 28: Adaptación del sistema impositivo a la realidad del siglo XXI
 - Componente 29: Mejora de la eficacia del gasto público
 - Componente 30: Sostenibilidad a largo plazo del sistema público de pensiones en el marco del Pacto de Toledo

Recovery, Transformation and Resilience Plan

COMPONENT 2

Implementation of the Spanish Urban Agenda: Housing renovation and urban regeneration plan

6 REFORMS



6 INVESTMENTS



Recovery, Transformation and Resilience Plan

COMPONENT 2

Implementation of the Spanish Agenda:
Housing renovation and urban regeneration plan

RRF* FINANTIAL SUPPORT
(Next Generation EU)

(BUDGET: EUR 6.820 MILLION)

MITERD (IDAE)

1.300
EUR million

MITMA

5.520
EUR million

*RRF: RECOVERY AND RESILIENCE FACILITY - UT

(INVESTMENTS)

CO2.I01

3.420 M€

CO2.I02

1.000 M€

CO2.I03

Energy
Rehabilitation
of Buildings
program (PREE)

300 M€

(expanded to 402,5 M€)

CO2.I04

Regeneration
program, and
demographic
challenge
(a. PREE 5000, y b.
DUS 5000)

1.000 M€

MITERD (IDAE)

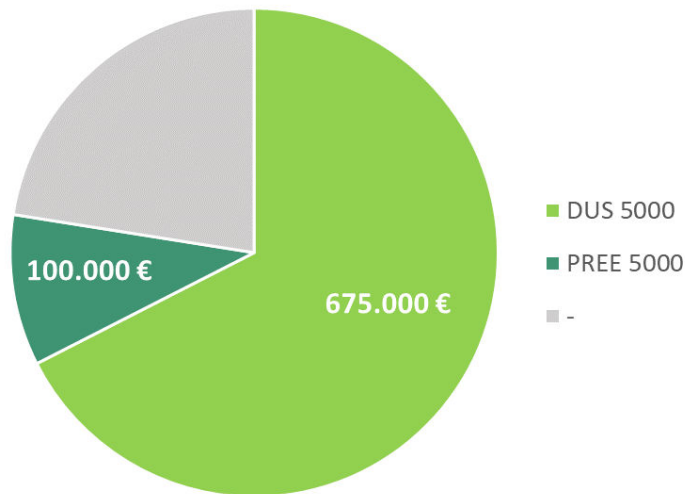
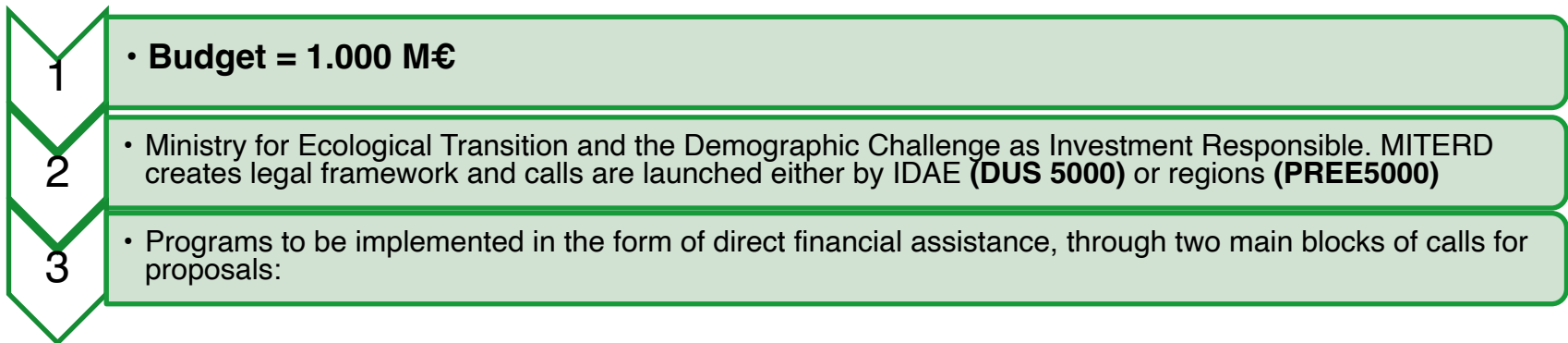
CO2.I05

1.080 M€

CO2.I06

20 M€

C2.I4: Regeneration program and demographic challenge



DUS 5000
Program for sustainable urban development projects in municipalities facing demographic challenges

PREE 5000
Energy renovation program for existing buildings in municipalities with demographic challenges

MAIN FEATURES - PREE 5000



Royal Decree 691/2021, 3rd August 2021:

“PREE 5000 Program: Energy renovation program for existing buildings in municipalities with demographic challenges”

Application period: Until 31st of December 2023

Initial budget: 50.000.000 € (up to 100 M €)

Distribution of the Budget by Autonomous Communities:
According to demographic challenge municipalities (17 AC)

GOALS:

Q4 2022: Opening of calls for 26.000 residential dwellings. *Achieved*

Q2 2026: Complete the Renovation of residential dwellings in municipalities with less than 5000 inhabitants, achieving on average at least a 30 % primary energy demand reduction

1. Municipalities with demographic challenge

Municipalities with less than 5.000 inhabitants and population centers with less than 5.000 inhabitants.

TOTAL municipalities: **6.974**.

<https://sig.mapama.gob.es/geoportal/>

Distribution Budget by Autonomous Communities

Autonomous Communities	Budget (*)
ANDALUCÍA	5.667.500 €
ARAGÓN	3.697.500 €
CANARIAS	917.500 €
CANTABRIA	15.349.109 €
CASTILLA Y LEÓN	21.890.000 €
CASTILLA-LA MANCHA	11.170.000 €
CATALUÑA	11.565.000 €
COMUNIDAD DE MADRID	1.052.500 €
C.F. DE NAVARRA	3.415.000 €
COMUNITAT VALENCIANA	6.365.000 €
EXTREMADURA	2.735.000 €
GALICIA	3.795.000 €
ILLES BALEARS	532.500 €
LA RIOJA	865.000 €
PAÍS VASCO	8.225.298 €
PRINCIPADO DE ASTURIAS	840.000 €
REGIÓN DE MURCIA	157.500 €
Total	98.239.407 €

* The Budget is distributed among the autonomous communities based on the number of municipalities and population center with less than 5.000 inhabitants.

2. Beneficiaries

- 1 **Natural or legal persons** of a private or public nature that own existing buildings for any use
- 2 **Community of owners or groups** of communities of owners of residential buildings for housing use.
- 3 **Operating companies**, tenants or concessionaires of buildings, which accredit the above listed condition;
- 4 **Energy service companies (ESEs)**, or energy service providers;
- 5 **Local Entities** and the institutional public sector of public administrations;
- 6 **Renewable energy communities and citizen energy communities;**
- 7 **Town halls, provincial councils** or equivalent local entities

3. Scope of action

Option A

Complete building renovation:

- Residential buildings
- Non-Residential buildings

Option B

The Autonomous Communities can include as eligible one or several individual dwelling within a building as part of their Calls for Proposals.

4. Types of investment programs for buildings

Typology 1: changes in the **thermal envelope** of the building;

Typology 2: the replacement of fossil-based **thermal generation** facilities with ones based on renewable sources :

Sub-typology 2.1. Replacement of conventional energy by solar thermal energy.

Sub-typology 2.2. Replacement of conventional energy by geothermal energy.

Sub-typology 2.3. Replacement of conventional energy by biomass.

Sub-typology 2.4. Improvement of energy efficiency with systems not included above, such as heat pump.

Sub-typology a 2.5. Installment of energy/thermal regulation and control technologies

Typology 3: Improvement in **energy efficiency in lighting.**

5. Amount of awards

Type of investment	Primary Subsidy		Additional subsidy					
	OPTION A	OPTION B	Building use	additional %: <u>SOCIAL</u>	additional % : <u>Energy Efficiency</u>			additional %: <u>Integrated renovation</u>
					Energy Rating A	Energy Rating B	Increase of or more letters	
T1: Changes in the <u>thermal envelope</u> of the building	50%	40%	Residential	15%	15%	10%	5%	25%
			Non residential	0%	15%	10%	5%	25%
ST2.1. Replacement of conventional energy by <u>solar thermal</u> energy	40%	30%	Residential	10%	10%	5%	0%	20%
			Non residential	0%	10%	5%	0%	20%
ST2.2. Replacement of conventional energy by <u>geothermal energy</u>			Residential	10%	0%	0%	0%	20%
			Non residential	0%	10%	5%	0%	20%
ST2.3.: Replacement of conventional energy by <u>biomass</u>			Residential	10%	0%	0%	0%	15%
			Non residential	0%	10%	5%	0%	15%
ST2.4. Improvement of energy efficiency with systems not included above, such as <u>heat pump</u> .			Residential	0%	10%	5%	0%	5%
			Non residential	0%	10%	5%	0%	5%
ST2.5 Installment of energy/thermal regulation and control technologies			Residential	0%	10%	5%	0%	5%
			Non residential	0%	10%	5%	0%	5%
T3. Improvement in energy efficiency in lighting.	20%	20%	Residential	0%	10%	5%	0%	5%
			Non residential	0%	10%	5%	0%	5%

6. Main RRP requirements for PREE 5000

Energy demands:

1. **Achieving on average at least a 30% primary energy demand reduction**
2. **Improvement of the Energy Performance Certificate, at least in 1 letter**, measured on the CO₂ scale emissions (CO₂ /m² year), regarding the initial certificate.

Waste Management:

- **The Project** Will include a **Waste management and demolition study**, achieving the next conditions::
 - 1°) **At least 70% by weight of non-hazardous construction and demolition waste** generated on site is prepared for selective demolition, reuse, recycling and revalorization, including on site).
 - 2°) Operators must limit the generation of waste in construction and demolition processes.
- **The materials used in the rehabilitation Will not contain asbestos.** *The removal of asbestos from the building will be eligible.*

Greenhouse gases:

- Biomass facilities must achieve a reduction in greenhouse gas emissions of at least **80%**.

Biodiversity and ecosystems:

- In sensitive areas in terms of biodiversity and ecosystems, it must be taken into account that the rehabilitation Project does not cause negative effects on spaces included in Natura 2000 Network.

SUMMARY PREE 5000

- **It promotes renewable technologies in the rehabilitation:** of the 7 typologies/sub-typologies of action, there are 4 renewables..
- **The program prioritize actions on the entire building (Option A) over actions of individual dwelling within a building (Option B),** giving a 10% more in the primary subsidy.
- **It promotes projects that integrate renewable technologies and high energy efficiency,** giving an additional subsidy of 5%.
- **Support projects promoted by renewable energy communities** with additional subsidy between 5% and 25%.
- Support with additional subsidy up to 15% on buildings that meet the social criteria.
- Actions in energy efficiency and renewables can reach subsidy up to **100% and 80%**, respectively. However, the State Aid limits must be applied.

Place:

Population center of less than 5,000 inhabitants in the province of País Vasco (North Spain)

Climate zone

C1

Year of construction:

1973

Type of investment:

Single family house

Surface:

302 m²



Before the renovation

CO2 EMISSIONS [kgCO₂/ m² año]



Improvement

Improvement 1

Thermal Envelope (T1)

DEMAND REDUCTION

Improvement 2

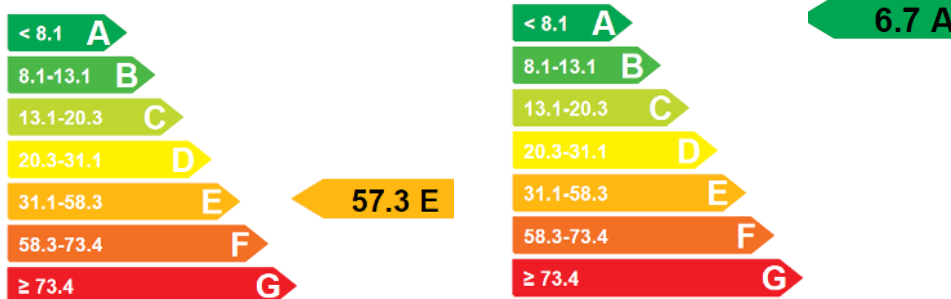
Thermal Envelope (T1)

Geothermal energy (T2.2)

DEMAND REDUCTION + CONSUMPTION REDUCTION

After the renovation

CO2 EMISSIONS [kgCO₂/ m² año]



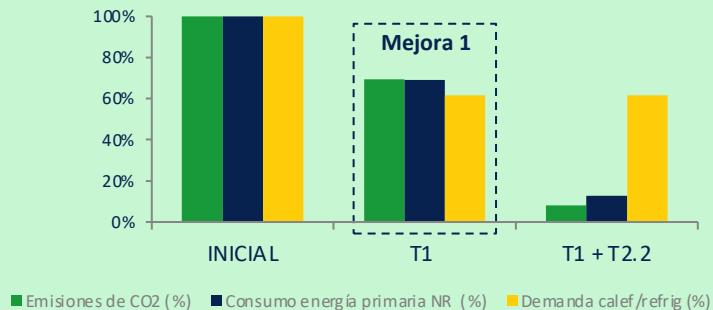
Improvement 1

Typology 1	53.802,75 €
- Primary Subsidy: 50 %	
- Additional Subsidy: Alta eficiencia 5 %	55%
	53.802,75 €
Final Award	55%

Improvement 2

Typology1	88.040,86 €
- Primary Subsidy: 50 %	
- A. Subsidy: E. Efficiency 15 % + Integrated renovation 25%	90%
Sub-typology 2.2	21.301,25 €
- Primary Subsidy: 40 %	
- A. Subsidy: Integrated renovation 20 %	60%
	109.342,11 €
Final Award	82,01%

Improvement summary:

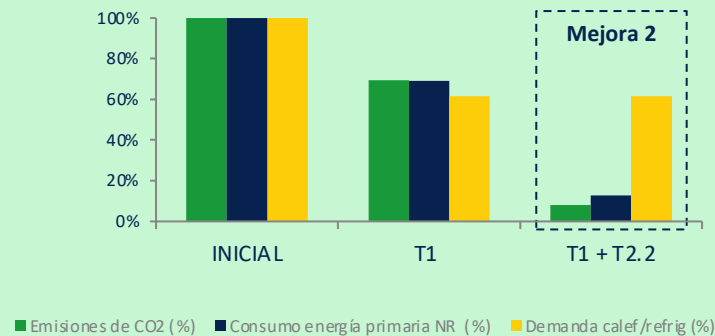


30% reduction of primary energy consumption

Reduction: 30,81 %



Improvement summary:



30% reduction of primary energy consumption

Reduction: 87,32 %





**MEET MED
WEEK**
09 - 11 MAY 2023
MARRAKESH - MOROCCO

Contact us!



Mitigation Enabling Energy Transition in the MEDiterranean region
Together We Switch to Clean Energy

For any inquires or comments, please don't
hesitate to contact us

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Organization: IDAE

(MITERD-Ministry of Ecological Transition and Demographic
Challenge)



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 www.meetmed.org

 meetMED Project

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Plan de Recuperación, Transformación y Resiliencia



Energy Saving and Efficiency Directorate
Domestic and Buildings Department

PREE 5000:

<https://www.idae.es/ayudas-y-financiacion/para-la-rehabilitacion-de-edificios/programa-pree-5000-rehabilitacion>