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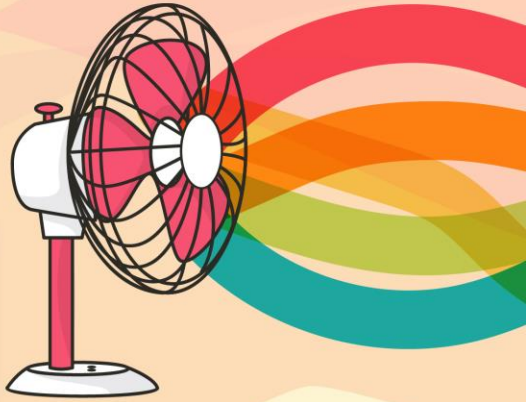
WELLBASED HACKATHON



Mitigating energy poverty in summer and its impact on health

26th of April at Ximo Mora Room (2nd floor Casa l'Alumne), UPV

30th of April at Salón de Grados ETSII, UPV

This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 945097

JOIN THE CHALLENGE!

If you are a university student, this hackathon invites you to find solutions to **mitigate the Energy Poverty in summer and reduce its impacts on people's health**.

You will **work in groups** on an innovative and sustainable solutions that not only seek to improve the quality of life of people suffering Energy Poverty, but also that targets the increasing temperatures during summer.

24th of April Register before midnight

26th of April Launch of the challenge

30th of April Final results presentation

ORGANIZER:

AJUNTAMENT DE VALÈNCIA · València Innovation Capital · LAS NAVES

PARTNERS:

València Clima i Energia · TEU cátedra Transición Energética Urbana · Universitat Politècnica de València · Càtedra del Sistema Públic Valencià de Serveis Socials · Sistema Públic Valencià de Serveis Socials

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INFO

Who can participate?

Student from a Spanish university

REGISTER before 24th of April midnight

- Participation is free
- Online individual registration is needed
- Limited capacity
- If you already have a team mention the name under the team's name section on the registration form, otherwise you will be assigned to one.
- Assistance certifications will be provided
- Food & drinks will be provided during the event

PRIZES

There are **3 prizes** under the following categories:

- **Best solution overall:** 2 nights in a sustainable hotel for 2 people (for each team member)
- **Most sustainable solutions:** sustainable food basket
- **Solution that better address the health issues or with more social impact:** sustainable food basket

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INFO

MORE INFO

Join the conferences on the **24th of April** (non compulsory):

9:00-11:15h *The Role Of Users Flexibility In Energy Communities* (Eva Sito, Pisa University)

11:15-11:35h *How to fight Energy Poverty with Renewable Energy Communities* (Isa Aparisi, UPV)

11:45-12:15h *Energy Poverty and its effects on health. Join the WELLBASED hackathon* (Elena Rocher, Las Naves)

Where? Aula 111, edificio 5F (UPV map: https://www.upv.es/plano/plano-2d-es.html).

You can also join on-line: **Click here to join the seminar**

(please note that the Hackathon will take place in a different venue)

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WELLBASED HACKATHON
Mitigating energy poverty in summer and its impact on health

MENTORS

Sebastian Bakalarczyk
Head of EU Committee for Innovation

Tomás Gómez
Professor Institute of Energy Engineering UPV

Gema Ibañez
Product Manager at PM4H

Noemí García
Wellbased coordinator

Claudia Ferre
Wellbased pilot coordinator

Cristóbal Miralles
Director of *Valencian Public System of Social Services* Chair

Isa Aparisi
UPV Researcher in Energy transition

Mauro Xeseria
Expert in business model development

Pilar Jordá
Wellbased pilot coordinator

Jorge Valls
Wellbased pilot

Snacks & drinks will be provided during the day

Friday 26th of April 09:30-14:30h

Location Ximo Mora Room, 2nd floor Casa l'Alumne (UPV)

9:30h	Welcome
9:40h	Warm up for the challenge
10h	Develop your solution
14:15h	Sum up & next steps

Tuesday 30th of April 09:30-13.30h

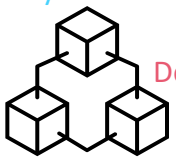
Location Salón de Grados ETSII (UPV)

9:30h	Welcome
10h	Team's Pitches
12h	Networking & picaeta (Jury deliberation)
13h	Awarding of prizes and certificates

Mentors will assist you during the event

Identify the challenge

Think & develop the solution



Don't forget to include all requirements

WELLBASED

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HACKATHON INSIGHTS

What is Energy Poverty (EP)?

Energy poverty occurs when a household must reduce its energy consumption to a degree that negatively impacts the inhabitants' health and wellbeing.

It is mainly driven by 3 underlying root causes:

- a high proportion of household expenditure spent on energy
- low income
- low energy performance of buildings and appliances

Energy poverty (europa.eu)

What is Summer Energy Poverty?

It's a situation where individuals or households experience difficulty in meeting their energy needs during the summer months due to factors such as high temperatures, increased cooling demand, and the associated costs of energy consumption.

This can result in various challenges, including inability to afford air conditioning or other cooling measures, which can lead to discomfort, health issues, and even safety concerns during periods of extreme heat.

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HACKATHON INSIGHTS

What consequences has EP on health?

Energy poverty can have significant effects on health, primarily due to inadequate heating, cooling, and lighting in homes. Here are some of the key effects:

Inadequate heating can lead to damp and cold indoor environments, increasing the risk of **respiratory illnesses** such as asthma, bronchitis, and pneumonia. Cold temperatures can also exacerbate existing respiratory conditions, making them more severe and also place additional strain on the **cardiovascular diseases**.
The situation contributes to **mental health issues**, such as, stress, anxiety, and depression. Financial strain from high energy bills, discomfort from living in cold or damp conditions, and the inability to adequately heat or light one's home can all impact mental well-being.

Living in cold, damp, or poorly lit homes has an impact on the **quality of life (**sleep quality, hinder academic or work performance, and reduce overall comfort and well-being).

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HACKATHON INSIGHTS

What consequences has summer EP on health?

- Symptoms of arthritis, pulmonary, cardiovascular, and respiratory illnesses deteriorate in houses that are not adequately cool.
- Also increased mortality rates can be related to extremely high temperatures in the house.
- Excess summer mortality.
- Psychological and social health issues, related to energy poverty, such as depressions, anxieties, marginalisation, isolation and stigmatisation.
- Access to air conditioning (AC) is associated with reduced mortality and hospitalizations.

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HACKATHON INSIGHTS

Learn more about the topic and about Wellbased project

WELLBASED PROJECT & Solutions in Valencia

Energy Poverty

Summer Energy Poverty

Cooltorise project & Policy brief

National Strategy against Energy Poverty 2019-2024 in Spain (ENPE): Pobreza Energética (miteco.gob.es)

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CRITERIA

Join us to Mitigate the Energy Poverty in summer and reduce its impacts on health

MAKE SURE THAT YOUR SOLUTION:

- Targets the Energy Poverty issue and the impact on Health
- Takes into account the Health problem
- Takes into account the sustainability of the idea
- Takes into account the social impact of the idea (addresses social inequalities)
- Make sure it is an innovative solution
- Make sure it is a feasible idea and that is possible to implement and replicate

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INSPIRATIONAL IDEAS

Join us to Mitigate the Energy Poverty in summer and reduce its impacts on health

INSPIRATIONAL IDEAS:

- Make bills understandable to relieve mental stress
- Understand the consumptions on the house and what impacts they have on health
- Low-cost solutions to fight heat at home (Summer Energy Efficiency Kit)
- Use of Local Energy Communities to alleviate the Energy Poverty and reduce its effects on health
- Detection, prevention and action plans to mitigate the Energy Poverty and its effect on health
- Other health related issues
- Climate shelters

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LEAN CANVAS Template

26/04/2024

Wellbased Hackathon

Needs / Problems
(Top 3 needs / problems)

-

-

-

Solution(s)
(Top 3 features)

-

-

-

Social impact
(briefly define, using bullet points)

-

-

-

Value Propositions
(What makes you different from other ideas or competitors?) (briefly define using bullet points)

-

-

-

-

Health impact
(briefly define, using bullet points)

-

-

-

Environmental impact
(briefly define, using bullet points)

-

-

-

Customer / User Segments

Target developer

Target users (if they are different from customers)

Channels (Paths to reach developer of the idea/ Key actor / end users)

-

-

-

-

Cost Structure (list the main cost sources)

-

-

-

-

-

Revenue Streams (list the main revenue streams)

-

-

-

-

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