# Incorporating health in urban (energy) policies

V València INCLIVA I VLC

# **WELLBASED**





DemirEnerji UNIVERSITY OF LEEDS TO innovation for life

EVERGMOITLES

Lessons from last winter - fighting energy poverty and ill-health WELLBASED Capacity Building Workshop 10/05/2023 Elena Rocher Vicedo Health Program Officer Las Naves

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# Content

- Double focus: EP and health in WELLBASED
- Urban programmes and the theory behind
- Case study: VALÈNCIA PILOT
- Key messages

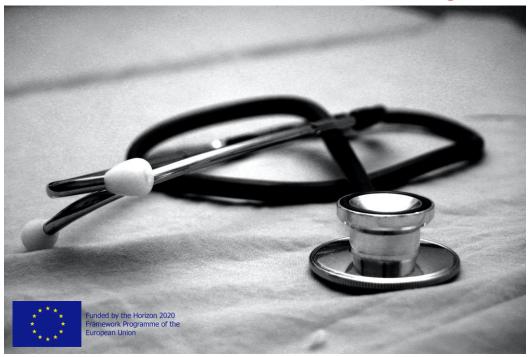




# How to combine EP and health?

"Health is a state of complete physical, mental and social well-being and not merely the absence of disease or infirmity"

World Health Organization



Strategies for dealing with social and environmental determinants of health for energy poverty are needed

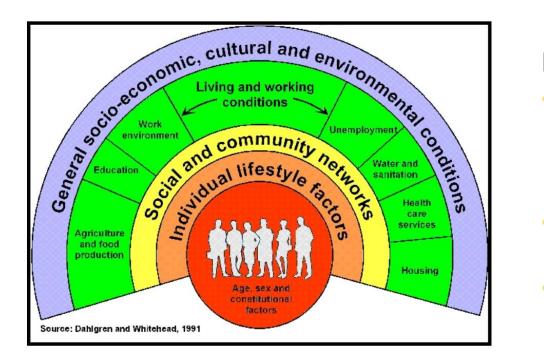
Energy poverty = a **complex** problem that needs solutions from a **multidimensional approach** 

Health in all policies to tackle energy poverty challenges through a set of different urban policies



# FRAMEWORK FOR ANALYSIS

3 pillars: Socio-ecological model + Health Determinants analysis + Pathway Energy Poverty



Inspires definition of:

- Analysis: The preliminary analysis focused on identification of health determinants and the social characterization of the area of intervention
- Action: The specific objectives and actions of the WELLBASED Urban Programme (WUP)
- Impact: Indicators to evaluate impact on citizens' health and wellbeing





# THEORETICAL FRAMEWORK FOR ANALYSIS

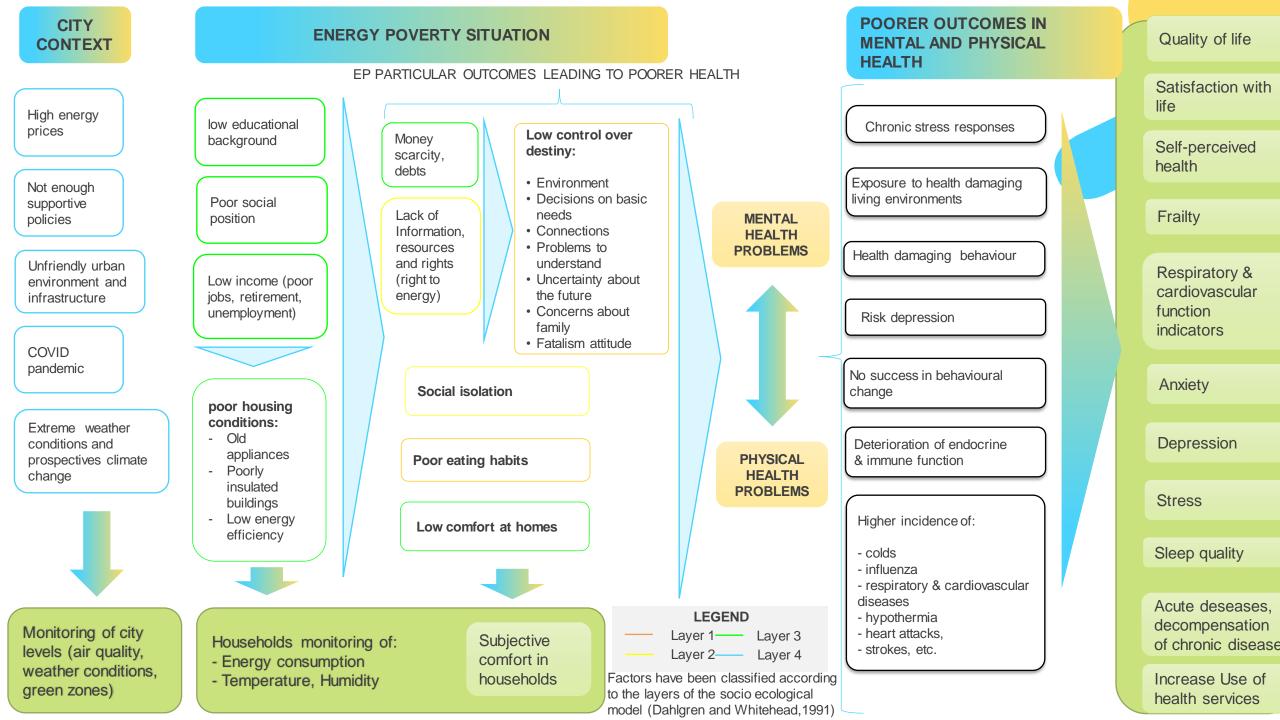
# Pathway for Energy Poverty:

How do people end up in energy poverty?

This pathway relates health determinants with causes and consequences of energy poverty, interventions of the WELLBASED urban program and the expected impacts on mental and physical health outcomes.







# WELLBASED URBAN PROGRAMS

## **Common framework**

## Pilot WUP detailed planification

- For each action/intervention:
  - Title (and number) of the action
  - Description
  - Outputs of the action
  - Stakeholders involved
  - Period it covers
  - Budget and resources
- Timeline

According to socioecological model, each pilot defines:

- Health determinants in its target population (vulnerable populations)
- Pathway (factors/causes more relevant)

**WELL**BASED

Action!!!!: 7 WUPs



# FRAMEWORK FOR WELLBASED URBAN PROGRAMMES: THE ACTION

## Layer 1 Individual Lifestyle factors

 Practices oriented to improve individual lifestyles regarding health, energy efficiency, energy costs, residential comfort, etc.

## Layer 2 Social and Community networks

 Activities oriented to strengthen communities, mainly those oriented to promote community support and mutual aid, and therefore moving from individual to collective support approach

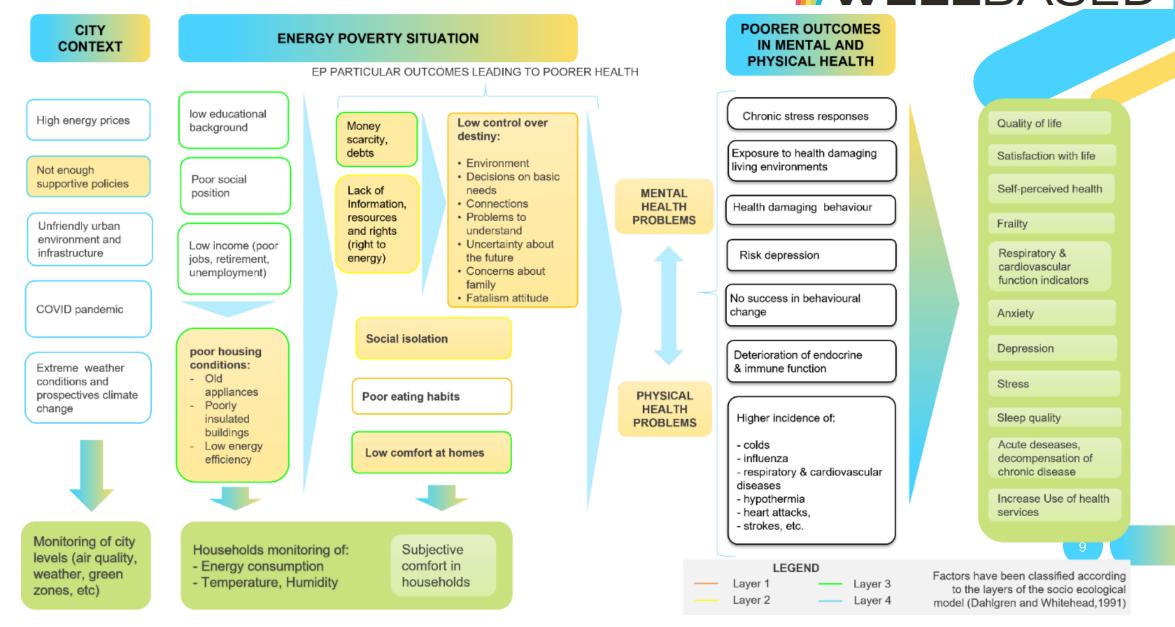
## • Layer 3 Living and working conditions

- Practices oriented to improve the access to a dignified work and life conditions, e.g. comfortable and healthy homes and workplaces
- Layer 4 General socio-economic, cultural and environmental conditions
  - Practices that aim to make structural changes on the socio-economic context, mainly referring to both energy and to household policies

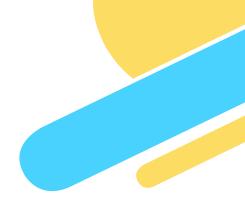




# VLC: Energy Poverty Pathway WELLBASED



# **VLC WUP**



## Focus on community and individuals empowerment

## LAYER 1 · Individual Lifestyle factors

Socio-energy audits

Bill optimization

Debt support

## LAYER 2 · Social and Community networks

Creation of a "Citizen School of Right to Energy": Regular community meetings (sense of group, spaces of mutual support) Training professionals on the detection of EP Right to Energy Conference

## LAYER 3 · Living and working conditions

Delivery of Energy Efficiency Kits

LAYER 4 · General socio-economic, cultural and environmental conditions

Citizen campaign for Right to Energy

Policy advocacy plan

Mapping of available and potential life-enhancing programmes and initiatives



VALENCIA

(Spain)

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# TO WRAP UP

- EP is a complex problem that needs solutions from a multidimensional approach: policies, interventions from different policy domains, not only energy efficiency, but also housing, energy policies at macro level, healthcare and health promotion, mental health, urban planning, gender equality, macroeconomic policies, social policies... Right to Energy against inequities and social injustice
- WELLBASED Urban Programs (WUPs) as replicable and available tool to introduce health in energy and other urban policies: WUPs have been designed to include interventions that address different causes of EP and its related determinants of health, consequently also their consequences on health, by considering interventions for each layer of social and environmental determinants of health.
- WELLBASED is testing different interventions and will evaluate their effects on health. Outcome: evidence (from quantitative and qualitative data) on impact of different EP interventions on physical and mental health.





# Thanks

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#### MAIN EP SOCIAL DETERMINANTS OF HEALTH IN WUP TARGET POPULATION<sup>2</sup>

CITY INFRASTRUCTURE	
Inequal spatial distribution of g	reen
areas	

### MUNICIPALITY COMMITMENT <sup>©</sup> Previous EU interventions © Energy Office © Network of local stakeholders to fight

against Energy Poverty © Survey to map Energy Poverty in the

### city (2016) Energy Poverty is a priority on local government agenda

Supportive municipal policy in health issues

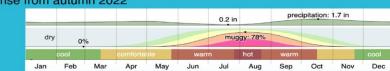
#### **ENERGY PRICES**

B High energy rise from autumn 2022

### WEATHER AND AIR CONDITIONS

- Mild winters (rarely below 0°C)
- Hard summers (up to 40°C), heatwaves and heat islands
- C High humidity (districts near the sea) C Air contamination above above WHO

levels



### WORKING CONDITIONS A

- Ever income level, depending on
- districts E

2

AY

E R

- B High unemployment rates (PM 36,5%; R CG 29,6%; AL 25,6%). Higher for 3
- women

#### HOUSING CONDITION

- Inefficient buildings, built between 1961 and 1980 and many small homes Heating system: principally electric but
- also natural gas in CG and AL. 25,4%

- without any kind of heating system in AL Water heating system: electric heaters
- (PM and CG) and natural gas boilers (AL)
- C Health and housing as important concerns for people
- © Some energy saving measures already implemented in many households (low consumption light bulbs, etc.)
- Some others not enough implemented across the city (e.g. insulating windows)

A

E R © People declare to be satisfied with their houses

### **EDUCATION**

Sectional Background

#### **HEALTH EQUIPMENT**

- C Good provision of health and social care services
- © General satisfaction with health services

#### **ASSOCIATIVE NETWORK** A

- © Strong neighbourhood identity Ŷ
- © Sound associative network (higher than city average) Е R and social capital

#### **KEY COMMUNITY ACTORS AND PLACES**

- O Municipal markets and Universitat Popular
- O Active citizen and community initiatives to promote health (Consells de Salut, Mihsalud, Zona Santiago)

#### UNWANTED LONELINESS AND SOCIAL ISOLATION

Share of people above 65 years old living alone higher than city average

### **UNHEALTHY / HEALTHY LIFESTYLES AND HABITS** Unhealthy habits in PM

- Overweight and obesity in PM
- Good self-perception of health
- ③ Relative high levels of happiness
- ③ Healthy habits in CG and AL

· Aged population, especially in AL Foreign population lower than the city average (10,4%)



A

Y

E

© assets e needs

This is not an exhaustive list of all the social determinants of health but rather some important aspects highlighted by the local responsible and with relevance to the WUP.