

WELLBASED



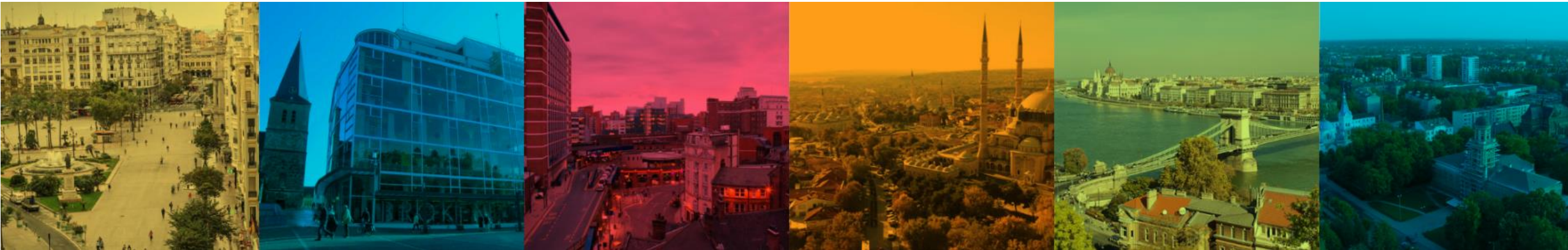
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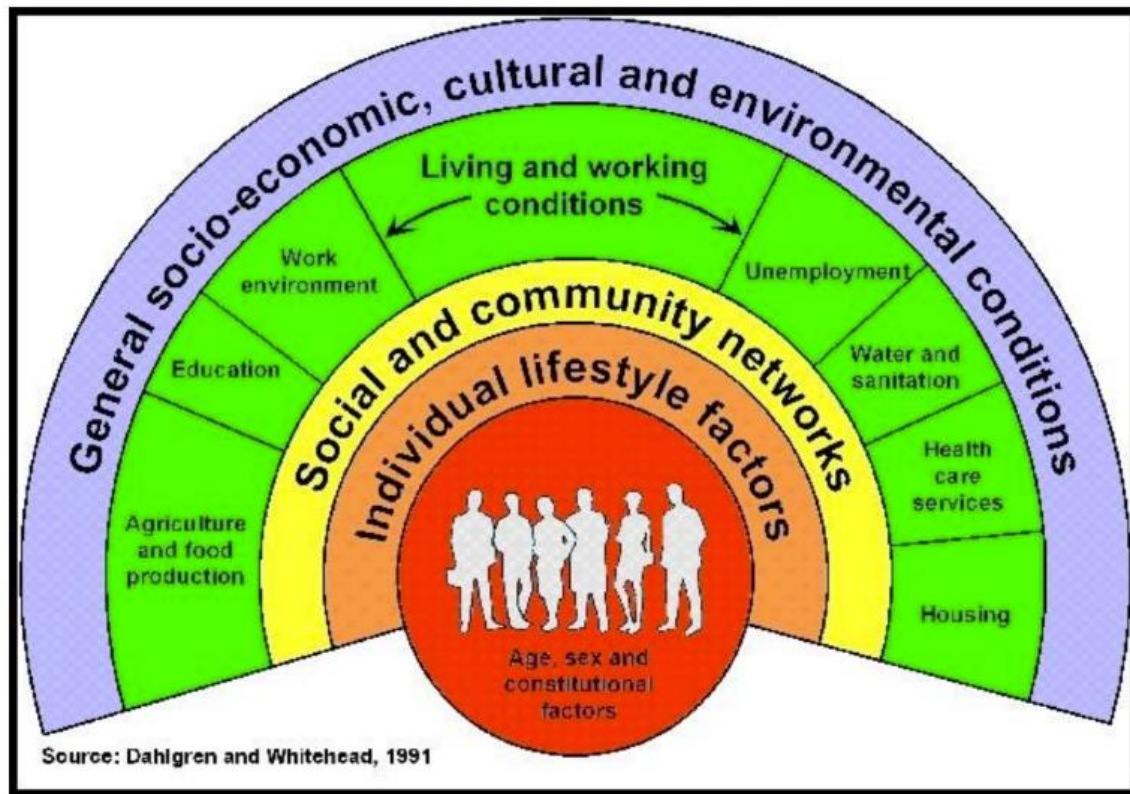


Hande BARLIN

Gebze Technical University



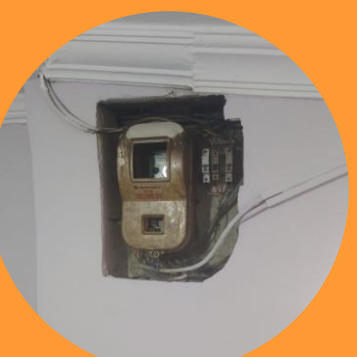
Zero Discrimination Association



Social-Ecological Model & Social Determinants of Health

WELLBASED

- WELLBASED aims at designing, implementing and evaluating a comprehensive urban programme to reduce energy poverty and its effects on the citizens health and wellbeing
- Built on evidence-based approaches in different pilot cities (Valencia-Spain, Heerlen - Netherlands, Leeds-UK, Edirne-Turkey, Obuda -Hungaryand Jelgava-Latvia), representing different urban realities but also a diverse range of welfare and healthcare models
- Randomized controlled trials
- Interventions include, energy audits, retrofitting, building improvements training
- Health monitoring, home environment monitoring, quantitative and qualitative accounts
- **HEALTH approach**



Energy poverty: case of Roma and travelers

- Energy poverty inability of households to meet their basic energy needs
- Socio-economic characteristics
 - Low-income households (many with precarious work conditions)- Nearly half of the Roma population is faced with severe material deprivation
 - Badly insulated, damp and sub-standard homes
 - More than 80% lives in overcrowded households
 - 1/4 of households do not have access to tap water. More than 30% without indoor toilet, shower, bath, etc; many with limited access to electricity
 - Social exclusion and/or discrimination
 - Inadequately nourished
 - Poor educational performance
 - Usage of cheapest fuels/ inappropriate materials for heating
 - Poorer access to health care (varies from country to country) and to health insurance (in Romania and Bulgaria)
 - Poorer access to infrastructure and public services



Edirne Pilot

- Interventions
 - Layer 1: Individual Lifestyle factors: Energy audits
 - Layer 2: Social and Community networks: Training professionals on the detection of Energy Poverty
 - Layer 3: Living and working conditions: Building improvements, trainings
 - Layer 4: General socio-economic, cultural and environmental conditions: Policy recommendations
- What we measure
- Fundamental Health indicators (Peak flow, SPO2, blood pressure), physical health, quality of life, satisfaction of life, mental Health, sleep quality, SAH...
- Energy consumption, amount, percentage of income
- Household air quality
- City environment



Multi-party-approach

- Project partners for Edirne Pilot: Edirne Municipality, Zero Discrimination Association, Dermir Energy Co.
- Third party: Gebze Technical University
- Urban Alliance: Grassroots Organizations in Edirne, Professional/Vocational NGOs, governmental institutions at local level, muhtars
- Roma facilitators
- Active involvement of target groups in design
- **LESSONS Learned from the whole Welbased project:** Trusting relationships are more successful.

Thanks



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