Climathon

Climate-KIC

Climathon - Idea/solution description

City	**Milan, Italy**
Challenge	Energy
Name of team	Urban Metabolism Network (M.URB.MET.Network)
Team members	Gabriela Fernandez, Ph.D. Candidate in Urban Planning, Design and Policy Tecla Caroli, Msc. Student in Progettazione Tecnologica e Ambientale Gloria Morichi, Msc. Student in Progettazione Tecnologica e Ambientale Laura Simonetti, Msc. Student in Progettazione Tecnologica e Ambientale Ahmed Ibrahim, Msc. student in Urban planning and policy design Atousa Marzban Graduated Msc.in Urban planning policy design Yahya Shaker Msc. student in Urban planning and policy design

Description

1. General Summary – Please describe your solution to the challenge (max 200 words)

The Urban Metabolism Network platform provide a space for underepresenative members of society to come together, join forces and share their individual experiences and contributions to tackling and localizing the United Nations Sustainable Development Goals. The platform target 7 members of society disabled, children, elderly, students and academics, homeless and refugees, LGBTI+ and women (social programs). The Climathon proposal focus on 'Students' target. The Student section propose a student dormitory community network platform where students can share individual actions and experiences on how they are tackling climate change.

2. Climate Impact – Please describe the possible climate impact of your solution (max 100 words).

The Urban Metabolism Network Platform provide a student reward system and social experience that connects the 21 residences in the 7 campuses of the Politecnico di Milano in Milan, Italy. The Politecnico di Milano holds a total of 42,938 thousand students. Residences are property owned and city sponsored residences. The campuses are located in the cities of: Lecco, Como, Milano, Mantova, Cremona and Piacenza.

The Urban Metabolism Network Platform offer students the opportunity to sign up to a unique energy consumption program experience. Students are given a sensor-meter to be placed in their dormitories with the aim to monitor and track their energy consumption behaviors and resource consumption 'waste' through a small monthly survey. Students that meet the sustainable consumption requirements will be rewarded through entertainment actititives (i.e cinema, bus and tra

3. Team – Please introduce your team members – their role within the team and their background (max 100 words)

The team members were composed of a group of international Ph.D. and Master students from San Diego, California, United States of America, Tehran, Iran, Cairo, Egypt, Milan, Italy, Ancona, Italy and Lucca, Italy. The group contributed to the proposal equaly.

Gabriela Fernandez, Ph.D. Candidate in Urban Planning, Design and Policy
Tecla Caroli, Msc. Student in Progettazione Tecnologica e Ambientale
Gloria Morichi, Msc. Student in Progettazione Tecnologica e Ambientale
Laura Simonetti, Msc. Student in Progettazione Tecnologica e Ambientale
Ahmed Ibrahim, Msc. student in Urban planning and policy design
Atousa Marzban Graduated Msc.in Urban planning policy design
Yahya Shaker Msc. student in Urban planning and policy design

4. Future plans (if any) – Please let us know whether what are your plans with the solution that you worked on during the CLimathon (max 100 words).

The Urban Metabolism Network Platform hope to expand the 7 target groups providing methodologies and social programs that unite public and private sectors. The idea is to develop awareness and involve the underepresentative population to share their own individual experience monitoring their consumption behaviors and contribute to combat climate change and localize the Sustainable Development Goals by 2030.