



Integrated NBS-based Urban Planning Methodology for Enhancing the Health and Well-being of Citizens: the euPOLIS Approach with acronym «EuPOLIS»

Programme HORIZON 2020

Project EuPOLIS aims to: (a) replace the traditional perception in which engineering systems are built to protect the environment at significant costs. We aim to deploy natural systems to simultaneously enhance Public Health and Well-Being, and create resilient urban ecosystems at lower Life-Cycle Costs; (b) propose a structured approach to activate the hidden possibilities and services of existing Natural and Engineered urban systems, integrate them and define their joint social, cultural and economic effects, as a main vehicle for Ecosystem Business Services and Investment; (c) regenerate and rehabilitate urban ecosystems, while in parallel addressing key challenges such as low environmental quality, fragmentation and low biodiversity in public spaces, water-stressed resources, undervalued use of space in deprived areas and therefore we improve urban livability; (d) improve urban resilience (operational, social and economic) through interventions designed using a set of proper urban planning matrices, which catalyse stakeholder participation, with a special attention to gender, age and disability perspectives within the process; (e) create inclusive and accessible urban spaces by systematically implementing gender mainstreaming strategies and novel participatory tools into all phases and processes of project development to ensure that the needs of diverse groups are considered. We aim to stimulate active communities' participation throughout the process; (f) to improve citizens' quality of life providing them with pleasant socializing open areas that stimulate social exchange and inclusivity; (g) monitor and validate the impact of all interventions to Public Health and Well-Being of citizens. EuPOLIS solutions will be demonstrated in 4 European cities: Belgrade, Lodz, Piraeus and Gladsaxe. We have also included some follower cities (Bogota, Palermo, Limassol and Trebinje) in order to replicate and demonstrate the advantages of our innovations via mentoring and coaching.

Role of Municipality of Piraeus During the implementation of the project, the Municipality of Piraeus will act as a front runner city by implementing actions such as:

- the creation of a green roof in the Javella Street school complex,
- collecting rainwater and excess water from drinking water taps to water the adjacent garden;
- the recycling of plastic, aluminum, etc. by students,
- the creation of a vegetable garden within the building complex of Tzavella Street, the planting of climbing plants

Partnership

- 1 National Technical University of Athens, Greece
- 2 University of Warsaw, Institute for Social Studies, Poland
- 3 University of Belgrade, Faculty of Civil Engineering, Serbia
- 4 Amphi International ApS, Denmark
- 5 European Regional Centre for Ecohydrology of the Polish Academy of Science, Poland
- 6 Vertical Farming Institute, Austria
- 7 Geosystems Hellas S.A. Greece

- 8 Imperial College of Science Technology and Medicine, United Kingdom
- 9 Biopolus Intezet Nonprofit Zrt. Hungary
- 10 RISA Sicherheitsanalysen Gmbh, Germany
- 11 Resilience Guard Gmbh, Serbia
- 12 CDP World wide Gmbh, Greece
- 13 EnPlus d.o.o. Serbia
- 14 BioAssist, Greece
- 15 Sentio Labs Monoprosopi IKE, Greece
- 16 Byspecter, Denmark
- 17 Mikser Udruzenje, Serbia
- 18 Plegma Labs, Greece
- 19 Civil and Environmental Engineering Department at Universidad de los Andes, Colombia
- 20 City of Belgrade, Serbia
- 21 City of Lodz, Poland
- 22 City of Piraeus, Greece
- 23 Gladsaxe Municipality, Denmark
- 24 City of Palermo, Italy
- 25 City of Limassol, Cyprus
- 26 City of Trebinje, Serbia
- 27 City of Bogotá, Colombia
- 28 Fengxi New City, China

Duration 48 months (The project is due to start in June 2020)

Budget 812.812,50 €