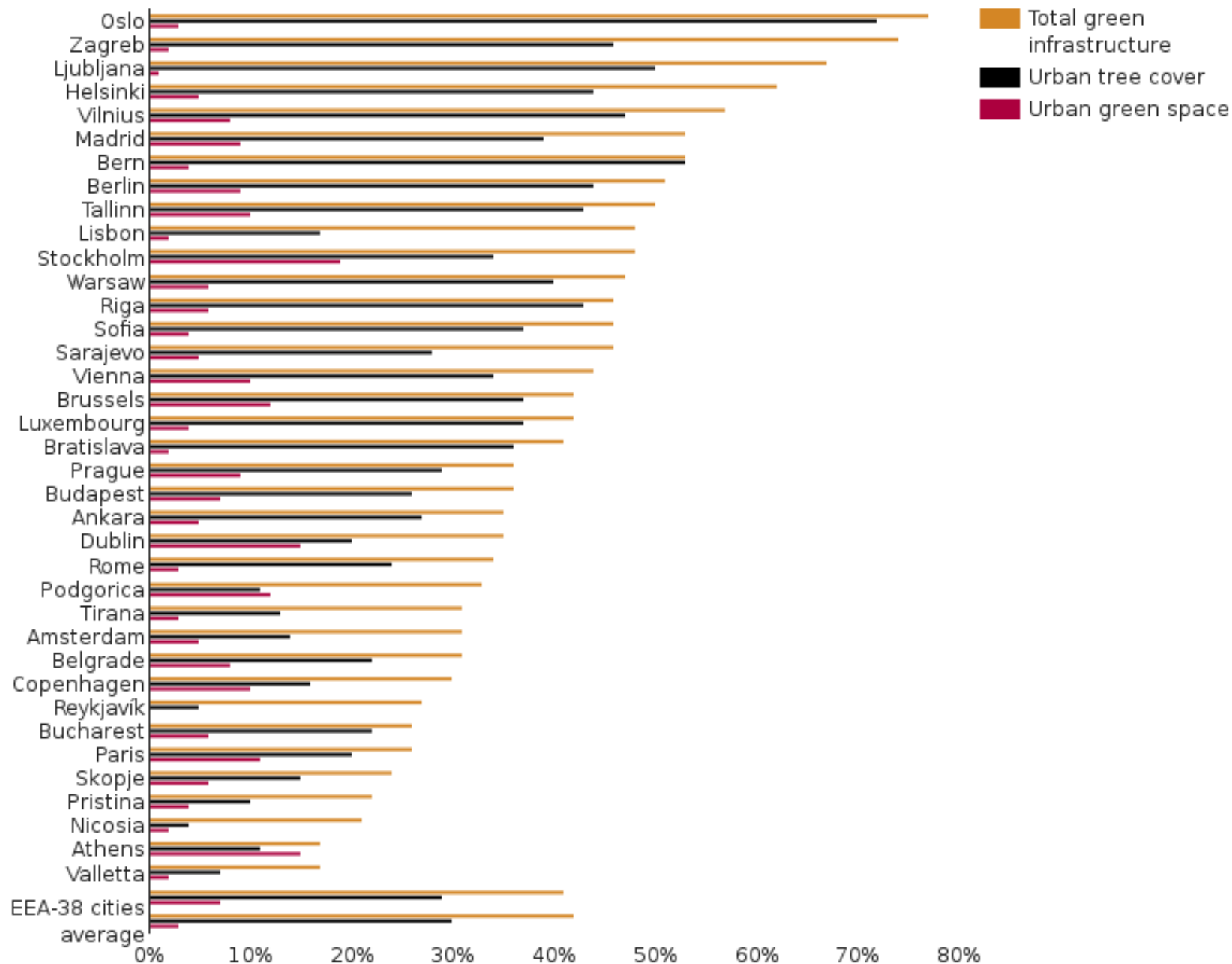


Experiences of Polish cities in developing green infrastructure

Dr Alena Harbiankova
WARSAW, POLAND

Urban green infrastructure planning and nature-based solutions

Chart — Percentage of total green infrastructure, urban green space, and urban tree cover in the area of EEA-38 capital cities (excluding Liechtenstein)



BENEFITS OF NATURE-BASED SOLUTIONS FOR URBAN SUSTAINABILITY

Environmental

Improved Air Quality

Stormwater Management

Biodiversity Conservation

Climate Regulation

Natural Disaster Mitigation

Social

Enhanced Health and Well-being

Community Gathering Spaces

Improved Aesthetics

Equity and Social Justice

Educational Opportunities

Economic

Increased Property Values

Tourism and Recreation Revenue

Healthcare Cost Savings

Savings on Infrastructure Costs

Job Creation

TRAM LINES AS 'GREEN CORRIDORS' IN THE URBAN STRUCTURE



Scheme of the tram system in Warsaw

Examples of grassy tram lanes in Warsaw

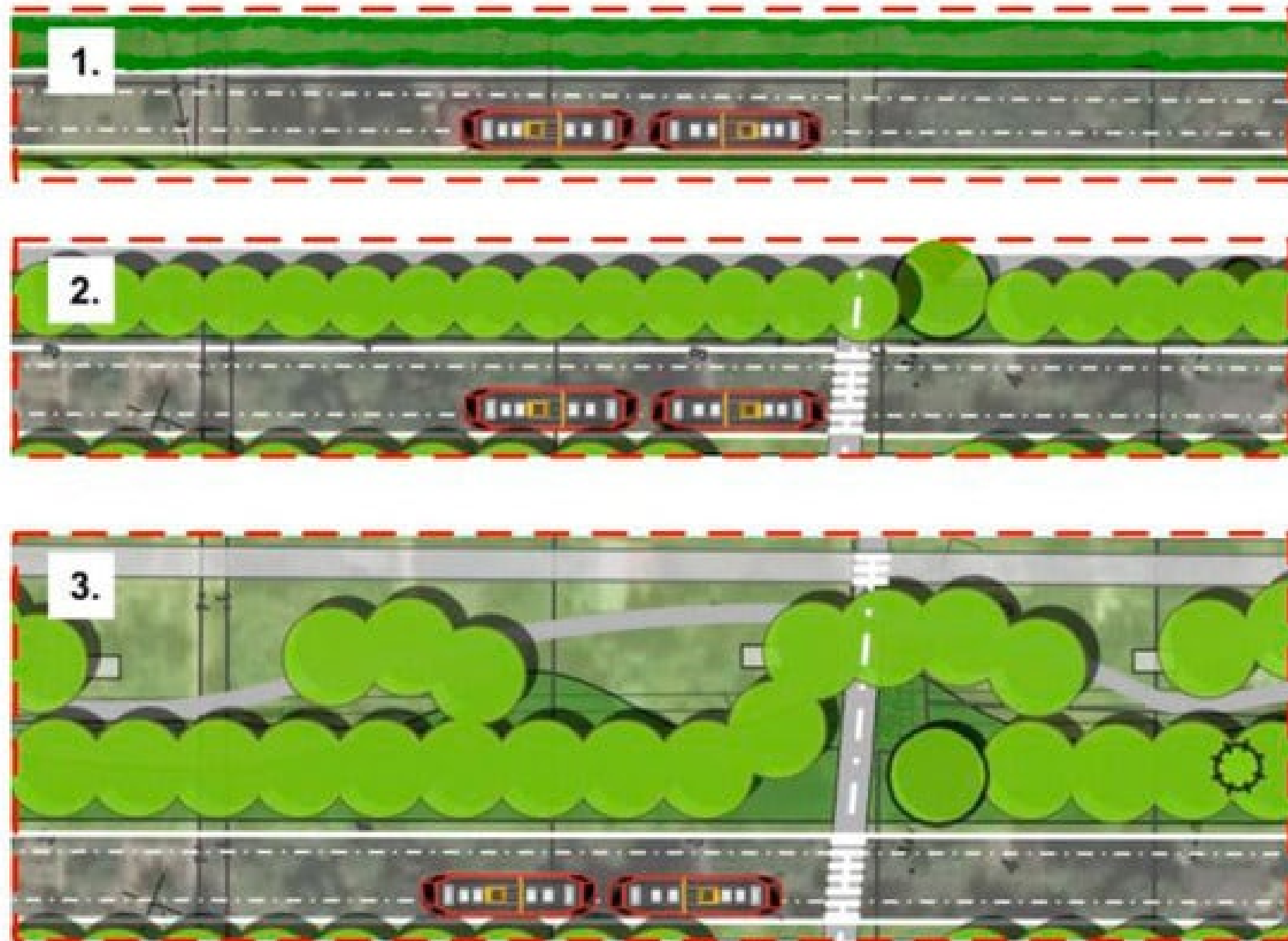
Insulating greenery along the planned tram route in Warsaw

Three versions for public consultation

(1) One-sided barrier of low and medium greenery

(2) One-sided barrier of medium and high greenery

(3) One-sided barrier of medium and high greenery



Green roofs in Polish cities

The oldest green roof open for public
(Warsaw University Library)



Bio-solar roof (Cracow)

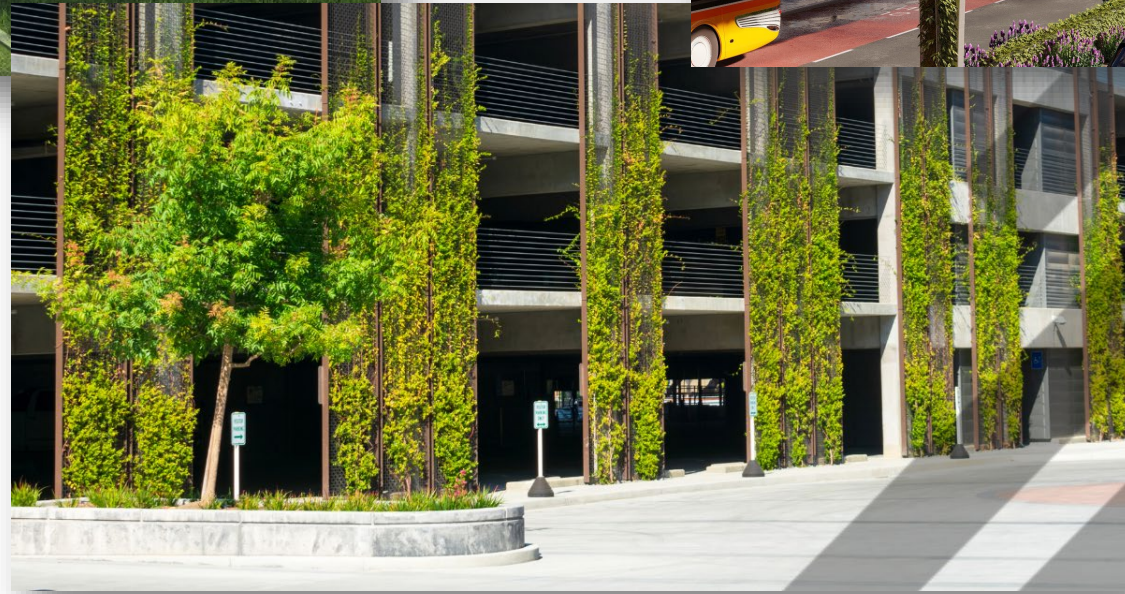
Biodiverse green roof
(shopping center, Lublin)



Sedum roof
(multi-apartment building,
Wrocław)



FUTURE NATURE-BASED SOLUTIONS FOR SUSTAINABLE URBAN ENVIRONMENT IN POLAND



Thanks for your attention

Dr Alena Harbiankova
a.harbiankova@gmail.com