

COP16

CALI • COLOMBIA

Paz con la Naturaleza

PATH TOWARDS LIGHT AND NOISE POLLUTION MITIGATION IN EUROPE

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ARE LIGHT AND NOISE POLLUTANTS?





NEGLECTED CONCERNS

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Noise pollution, or sound pollution, refers to the propagation of disruptive sounds that negatively impact human and animal life to varying degrees



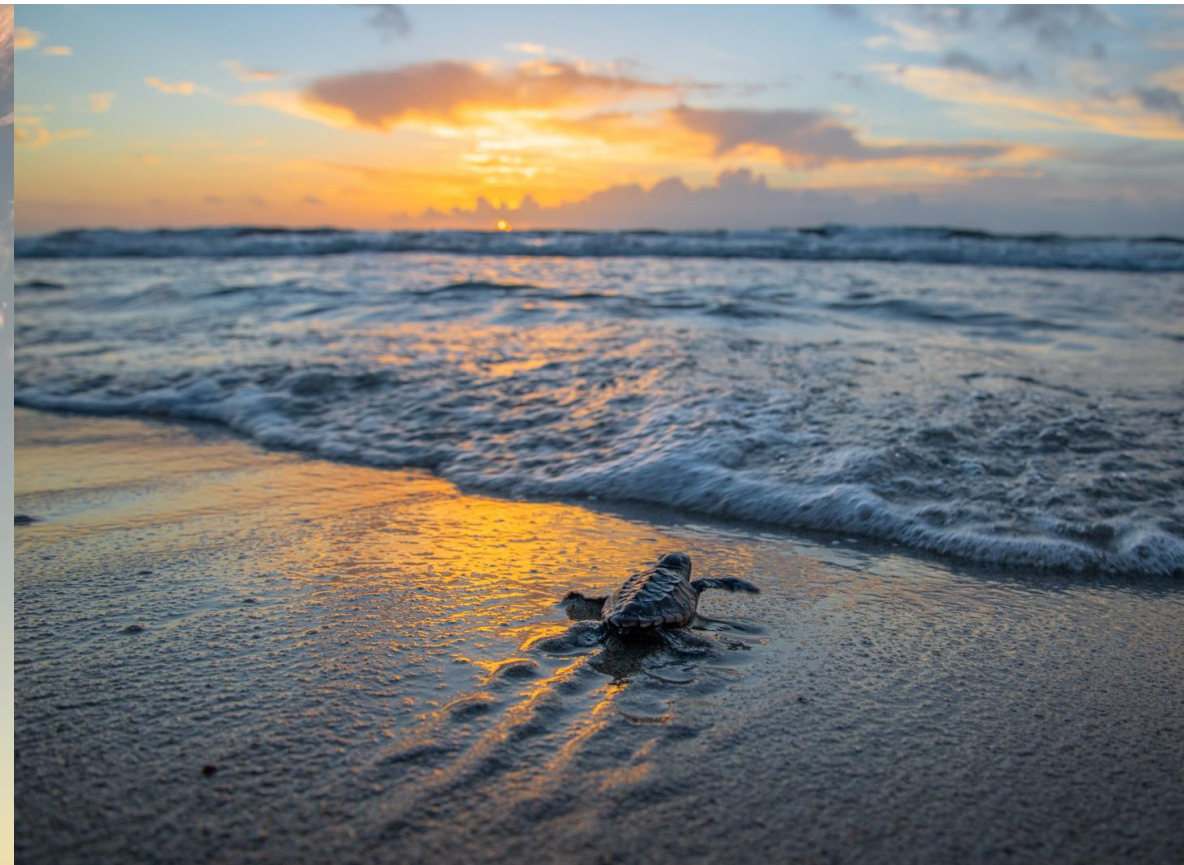
Light pollution is an environmental problem caused by the increase in unwanted or misdirected artificial light at night (ALAN)



NEGLECTED CONCERNS



Both light and noise pollution have significant impacts in the environment and biodiversity





PLAN-B PROJECT

PLAN-B: THE PATH TOWARDS ADDRESSING ADVERSE IMPACTS OF LIGHT AND NOISE POLLUTION ON TERRESTRIAL BIODIVERSITY AND ECOSYSTEMS

PLAN-B creates the enabling conditions to support and enhances activities planned in the EU biodiversity strategy and provide a new path towards meeting the EU and international biodiversity targets.



PLAN-B PROJECT



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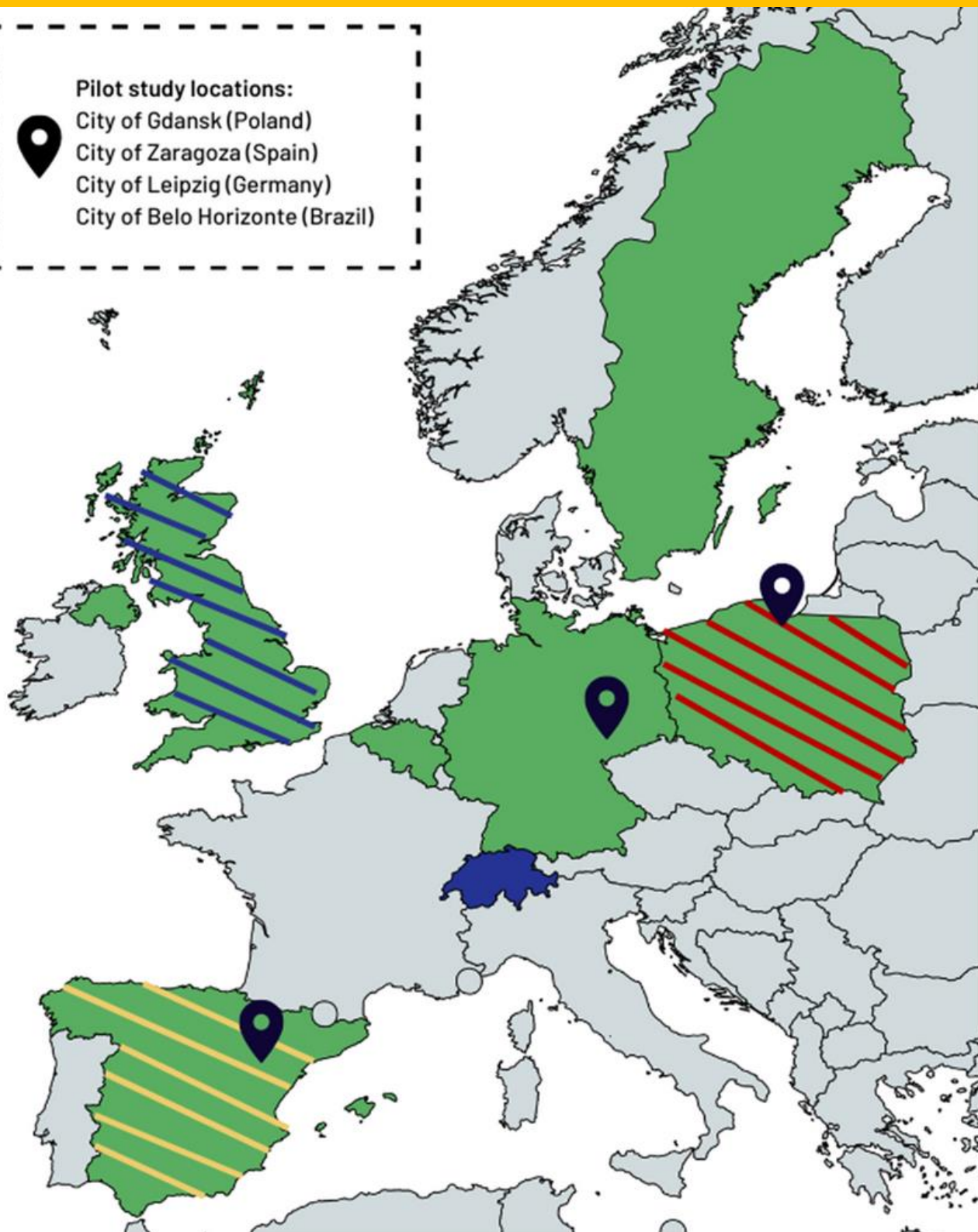
Specific Objectives (SO):

- **SO1: Create an open-access knowledge database** to help understand how light and noise pollution affect wildlife and nature
- **SO2: Light and noise pollution mapping and modelling** from 1992 to 2030 across Europe
- **SO3: Study how light and noise pollution have affected nature and ecosystems in Europe**, since the Industrial Revolution have played a role
- **SO4: Explore policies and regulations**, as well as **behavioral changes** that impact light and noise pollution
- **SO5: Evaluation of current solutions and propose new** ways to reduce and prevent the negative effects
- **SO6: Build a strong network of stakeholders**

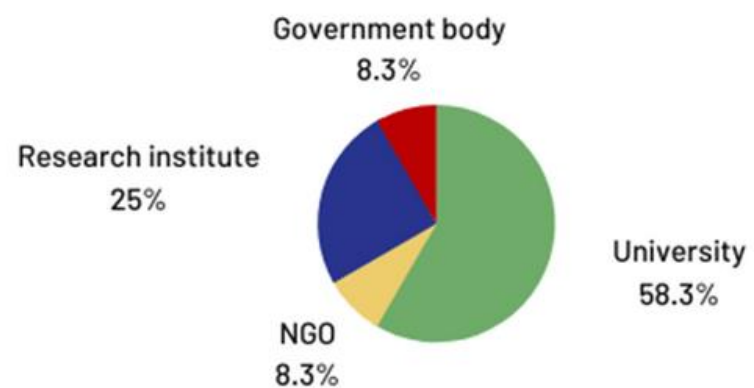
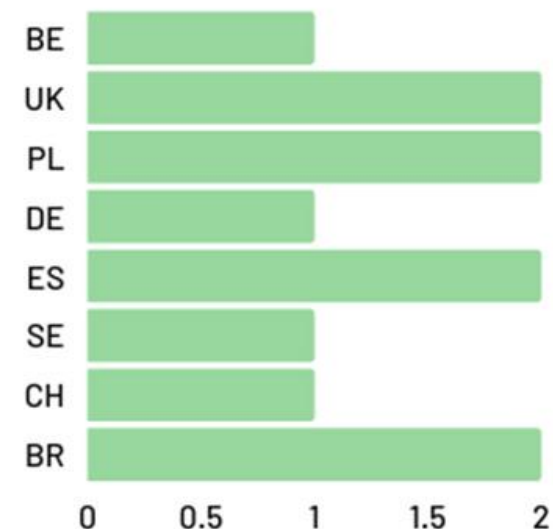


PLAN-B PROJECT

- Pilot study locations:
- City of Gdansk (Poland)
 - City of Zaragoza (Spain)
 - City of Leipzig (Germany)
 - City of Belo Horizonte (Brazil)



N of countries represented in the consortium



Total **12** partners from **8** countries





PLAN-B PROJECT



**European
Environment
Agency**



Norwegian Institute for Water Research



**DarkSky
INTERNATIONAL**



International Commission on Illumination
Commission Internationale de l'Eclairage
Internationale Beleuchtungskommission



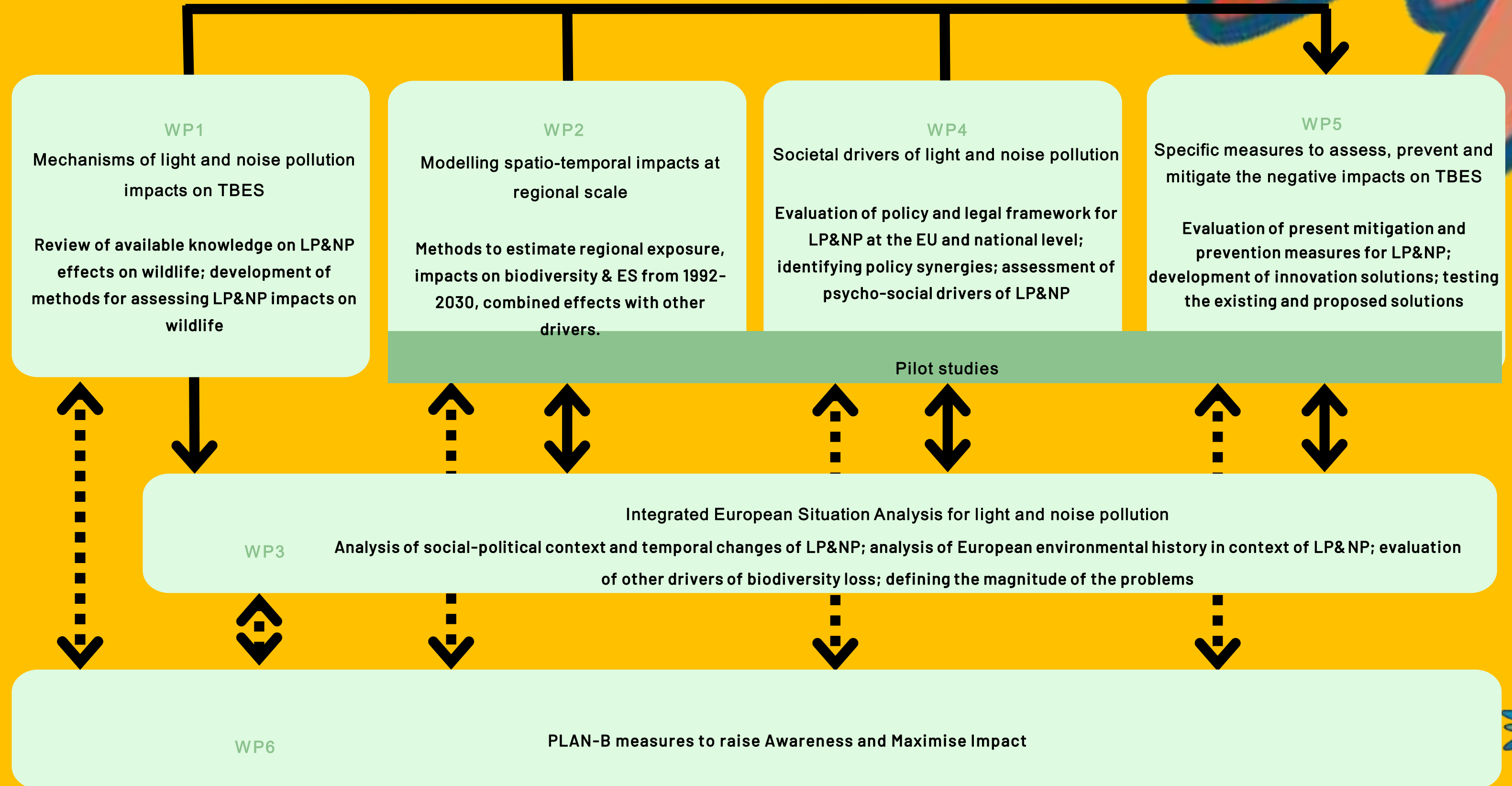
biodiversa+
European Biodiversity Partnership



LIGHTINGEUROPE
THE VOICE OF THE LIGHTING INDUSTRY



PLAN-B PROJECT



GREEN AND RESILIENT CITIES AS A RESULT OF BIODIVERSITY AND URBAN ECOSYSTEM SERVICES



GENERAL OBJECTIVE

To understand and promote greener and more resilient cities through the conservation of biodiversity and urban ecosystem services



SPECIFIC OBJECTIVES 01: GREENER AND MORE SUSTAINABLE URBAN LANDSCAPES AND REGIONS

Contribute to the implementation of Urban Protected Areas and to the identification of OECMs (other effective area-based conservation measures) that promote more sustainable and resilient urban and peri-urban landscapes and regions to climate and ecological extremes in Minas Gerais.



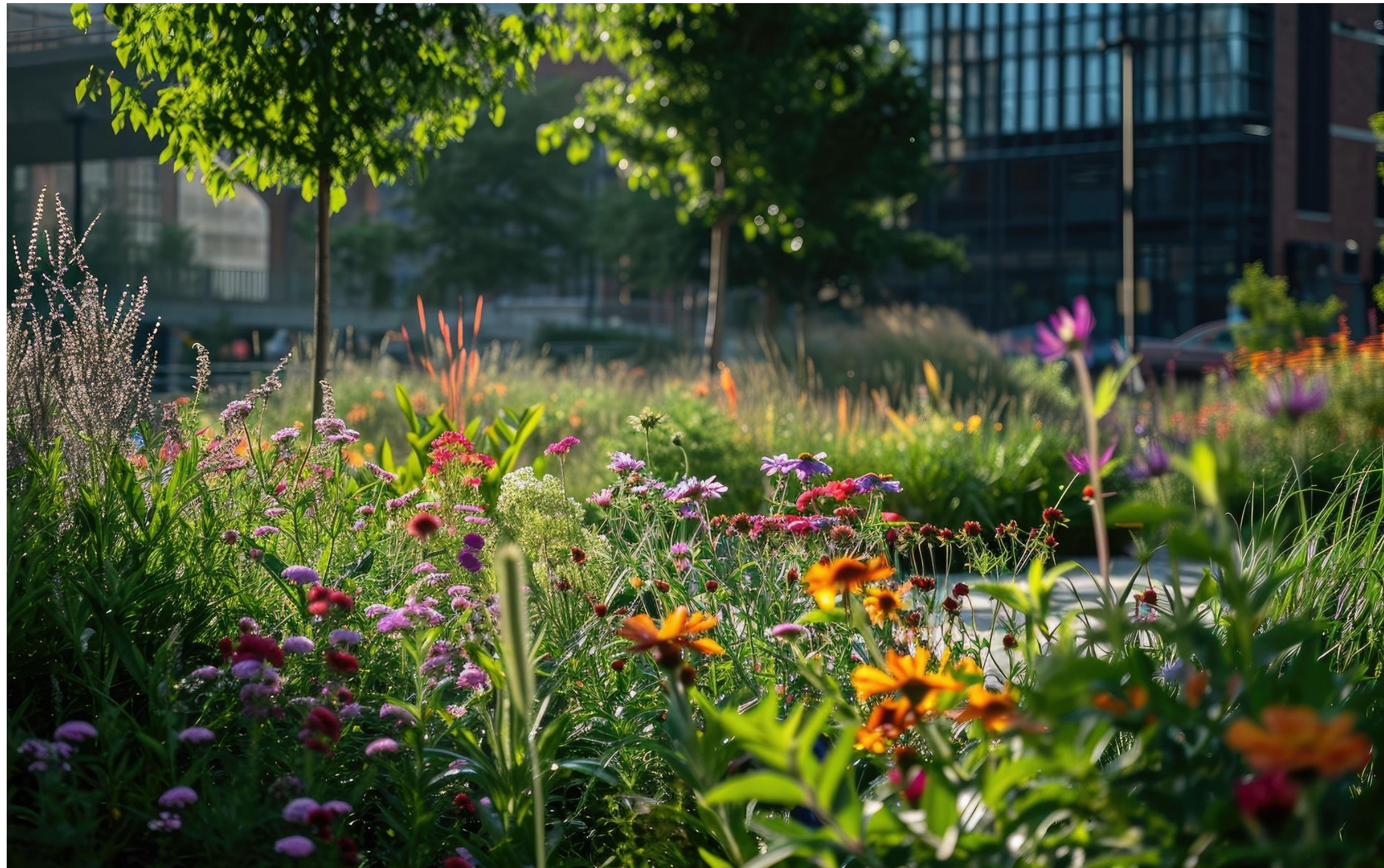
SPECIFIC OBJECTIVES 2: MUNICIPAL ECOLOGIES AND URBAN CORRELATIONS

Correlate municipal data and ecologies [e.g. deforestation (MAPBIOMAS), climate vulnerability (CEMADEN), adherence to resilient and sustainable cities (CSR) initiatives, etc.], on a national scale seeking to shed light on the determining factors for the sustainability and resilience of cities and their urban ecosystem services.



SPECIFIC OBJECTIVES 3: INSTRUMENTS AND CROSS-CUTTING PROCEDURES BETWEEN STATES AND MUNICIPALITIES

Analyze municipal environmental licensing (in Minas Gerais) and identify other decentralizing or cross-cutting instruments between states and municipalities (considering all 26 Brazilian states plus the Federal District) capable of favoring ecological restoration and net biodiversity gains, including in urban ecosystems.





**THANK YOU FOR YOUR
ATTENTION**

LET'S STAY IN TOUCH



PLAN-B





Realização



ABEMA

Associação Brasileira de Entidades Estaduais de Meio Ambiente

Patrocinadores

codeX

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SOS. MATA
ATLÂNTICA

Fundação
GrupoBoticário



CDP
DISCLOSURE INSIGHT ACTION

The Nature
Conservancy
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MINISTÉRIO DO
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