



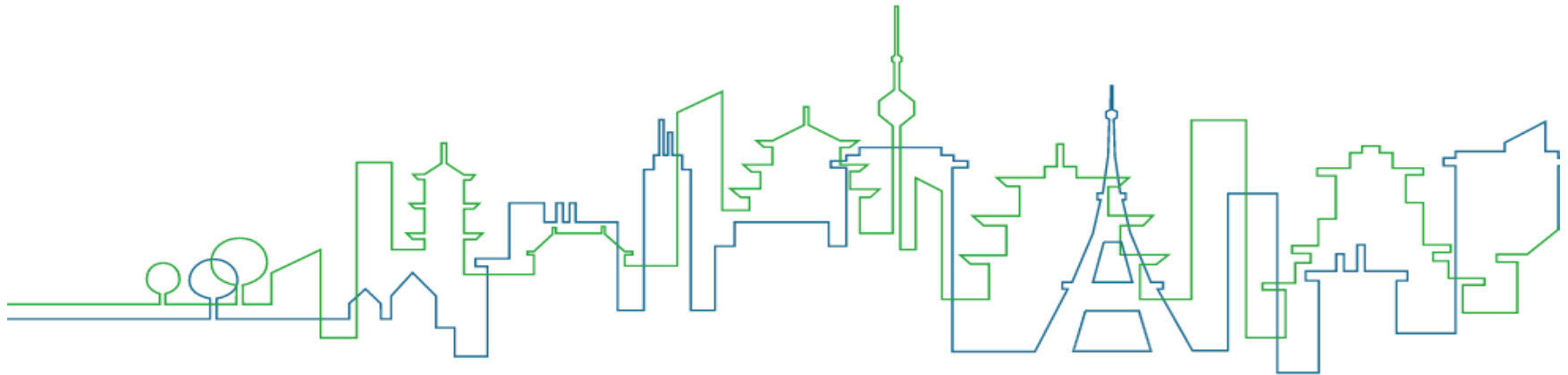
**REGREEN**  
NATURE-BASED SOLUTIONS

# Projekteksempel på H2020 project Research and Innovation Action projekt

Marianne Zandersen, Koordinator, Aarhus Universitet

DNNK seminar 18/5 2021

HORIZON og LIFE projekter om klimatilpasning af vand – hvor svært er det?



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement no.821016 This document reflects only the author's view and the Commission is not responsible for any use that may be made of the information it contains.



- 30 projects; 678 partners
- 57 countries; EUR282 million



Biodiversity enhancement



Water management



Coastal resilience



Green space management



New economic opportunities and green jobs



Health and well-being



Urban regeneration

# NATURE-BASED SOLUTIONS

**HORIZON 2020 NBS RESEARCH PROJECTS TACKLE THE CLIMATE AND BIODIVERSITY CRISIS**

Nature-based solutions (NBS) are inspired and supported by nature, they are cost-effective, simultaneously provide environmental, social and economic benefits and help build resilience; such solutions bring more, and more diverse, nature and natural features and processes into cities, landscapes and seascapes, through locally adapted, resource-efficient and systemic interventions. NBS must benefit biodiversity and support the delivery of a range of ecosystem services.



Knowledge building for sustainable urban transformation



Participatory planning and governance



Climate resilience



Social justice and social cohesion



Air quality



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Horizon 2020

## Climate and water resilience:

Connecting Nature, Grow Green, Urban Green Up, UnaLab

## New NBS governance, business, financing models and economic impact assessment tools: NATURVATION, NATURE4CITIES

## Insurance value of ecosystems:

NAIAS

## Inclusive urban regeneration:

CLEVER Cities, EdiCINet, ProGReg, URBINAT

## International restoration and rehabilitation of urban ecosystems:

REGREEN, CLEARING HOUSE, CONEXUS, INTERLACE

## Improve wellbeing & health:

EUPOLIS, GO GREEN ROUTES, IN-HABIT, VARCITIES

## Hydro-meteorological risk reduction:

RECONNECT, OPERANDUM, PHUSICOS

## Interrelations between CC, biodiversity and ecosystem services:

DRYvER, FutureMARES, MaCoBlos, PONDERFUL

# REGREEN - Fostering nature-based solutions for equitable, green and healthy urban transitions in Europe and China



**REGREEN**  
NATURE-BASED SOLUTIONS

Aims to integrate **knowledge and evidence on benefits** from NBS to address urban challenges; **develop and test tools to guide, design and plan NBS**; **consolidate business and investment models** for NBS and promote NBS **awareness and institutionalisation** in education, governance, and planning

- *Children & youth's experience & awareness of natural environment & NBS*
- *Quantifying and modelling ecosystem services from NBS*
- *Quantifying benefits & values from NBS and their services*
- *Improve systems of governance and planning*
- *Business incubation, new financial models, cost-effectiveness & risks*
- *Exchange of knowledge & experience, training between urban living labs*

**2019-  
2023**



[twitter.com/REGREEN-nbs](https://twitter.com/REGREEN-nbs)



[linkedin.com/company/regreen-horizon-2020](https://www.linkedin.com/company/regreen-horizon-2020)

CONTACT:

Email: [regreen.nbs@gmail.com](mailto:regreen.nbs@gmail.com)

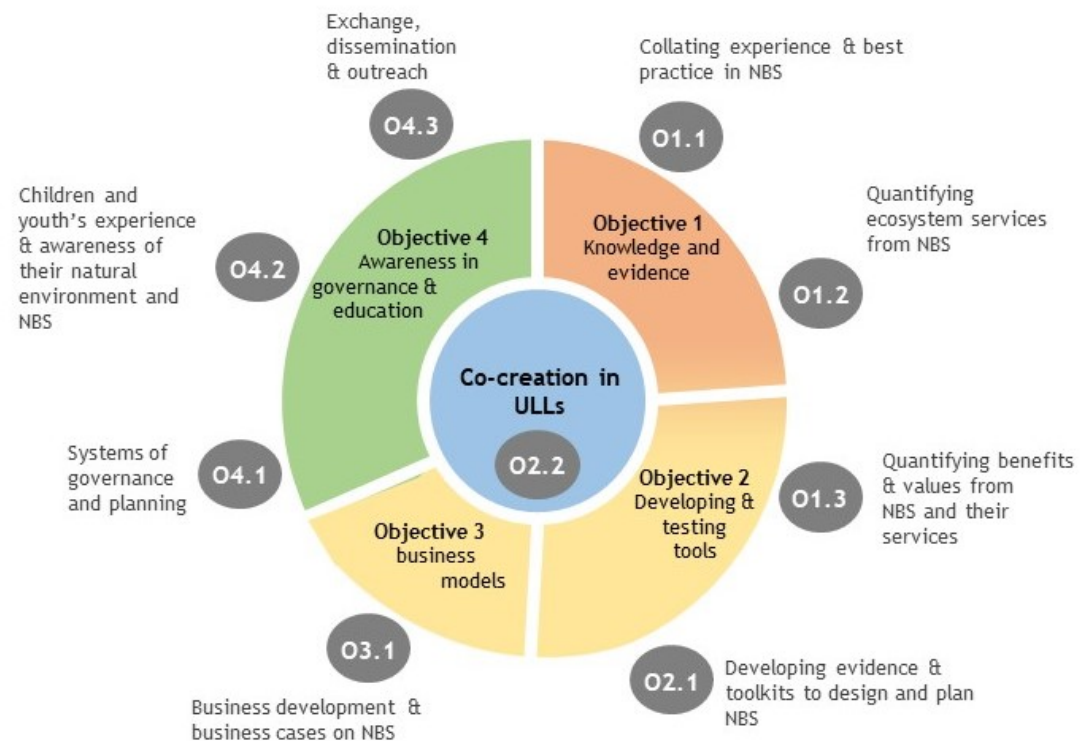
Website: [www.regreen-project.eu](http://www.regreen-project.eu)



# Objectives



- **O1: To integrate knowledge and evidence on benefits from NBS to address urban challenges**
- **O2: To develop and test tools to guide, design and plan NBS**
- **O3: To consolidate business and investment models for NBS**
- **O4: To promote NBS awareness and institutionalisation in education, governance, and planning**



# Urban Living Labs



## PARIS REGION

Biodiversity enhancement  
Heat mitigation  
Water flow management

## VELIKA GORICA

Heat mitigation  
Pollution removal  
Noise mitigation

## AARHUS

Water flow management  
Biodiversity enhancement  
Carbon sequestration

## NINGBO

Water quality regulation  
Pollution removal  
Biodiversity enhancement

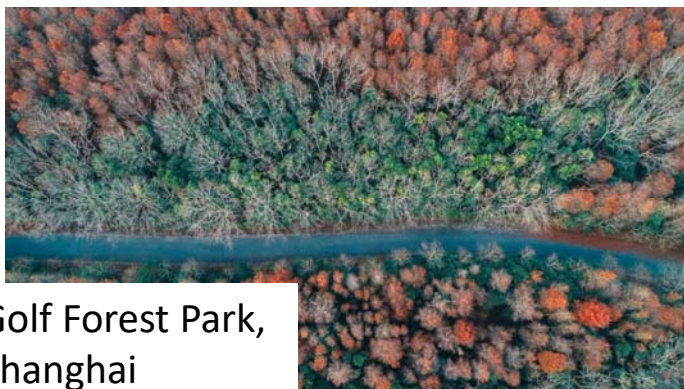
## BEIJING

Air Pollution removal  
Biodiversity enhancement  
Water flow management

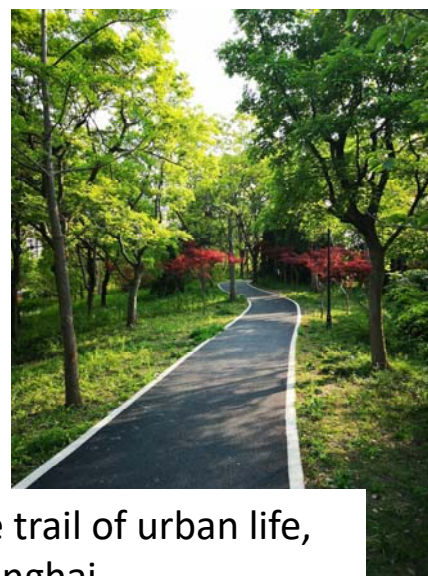
## SHANGHAI

Carbon sequestration  
Water quality management  
Biodiversity enhancement





Golf Forest Park,  
Shanghai



The trail of urban life,  
Shanghai



Forest plantations,  
Beijing



Urban green-blue area,  
Velika Gorika



Green roof,  
Paris Region



Low tech green wall,  
Paris Region



Combining biodiversity &  
adaptation in urban park,  
Aarhus

Partnere – 6 universiteter, 5 forskningsinstitutioner, 3 by/regionale myndigheder, 4 SME'er, 2 NGO'er



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# Hvad krævede det i forberedelse? (set fra koordinators stol)

- Forberedelse lang tid i forvejen (ca. 2 år før deadline)
- Udvikling af den gode holistiske idé + match med et call fra Horizon
- Sikre at der er et godt match mellem kompetencer i konsortiet og call tekst. Følg call tekst tæt! Vær ekstremt stringent
- 2 x fysiske møder med konsortie partnere (1x før fase 1 og 1x før fase 2 ansøgning)
- Støtte fra EU-opstartsmidler (mødeudgifter, konsulent, timer)
- Essentielt at finde partnere/kolleger som er villige til at udvikle og levere
- Partnere hvor nogen har kendskab og personlige relationer kan sikre at man får dannet et godt og effektivt konsortium
- Dedikeret 'core-team' nødvendigt med klar deling af ansvar



# Hvad får partnere ud af at være med i projektet?

- Clustering & eksponering
- Udvikling og adgang til ny viden/state of the art
- Udvikling af ny evidens under forskellige forhold (geografiske, kulturelle, klimatiske)
- Interdisciplinære samarbejder
- Afprøvning af ideer og visioner
- Praksis og forskning mødes → inspiration og læring
- Input til policy processer hos kommuner/regioner
- Field trips og erfaringsudveksling
- ....







Tak for opmærksomheden  
Marianne Zandersen - mz@envs.au.dk

