

CLEARINGHOUSE
中欧城市森林应对方案

CLEARING HOUSE meets REGREEN

REGREEN Hybrid Leipzig meeting ++ November 23, 2020



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement n°821242. Several Chinese CLEARING HOUSE partners have also contributed to the funding.

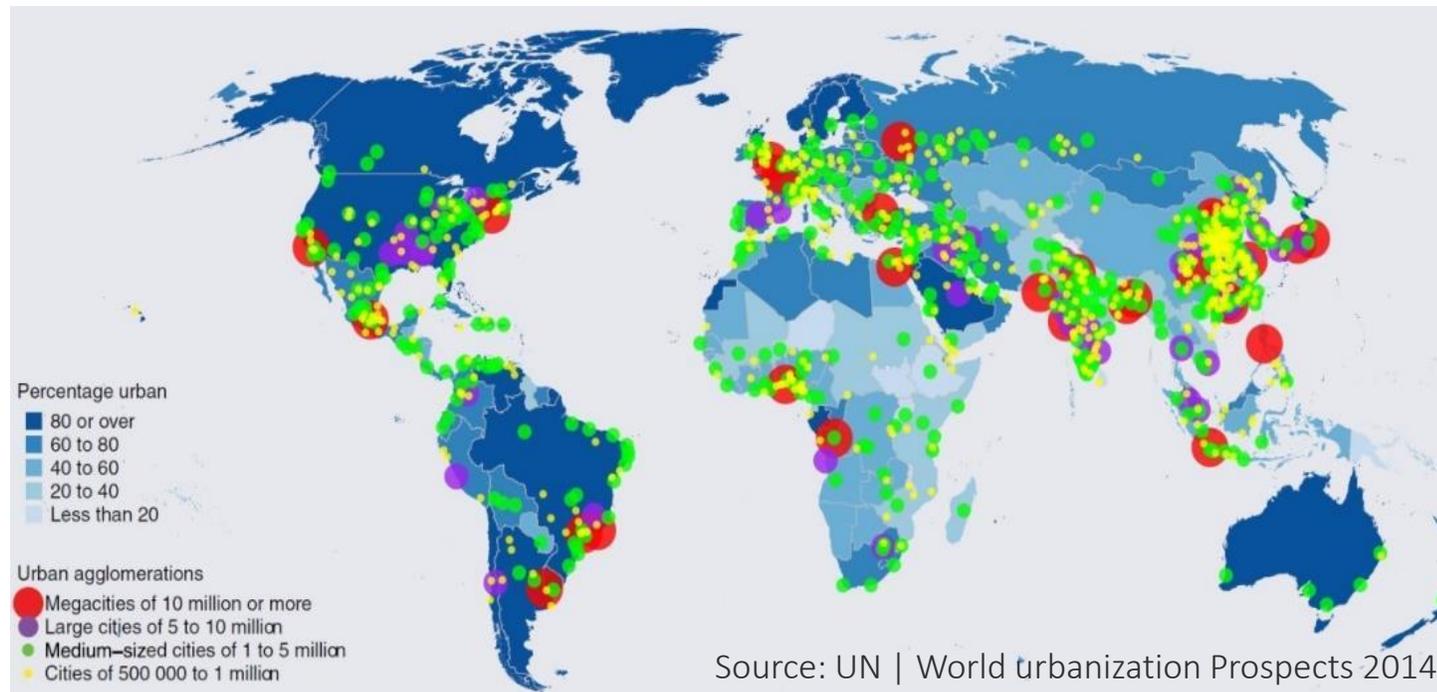
该项目获得欧洲H2020研究与创新计划的资助（拨款协议号码：821242）。部分中国合作伙伴也为此提供了资金。

Introduction to the CLEARING HOUSE project



Cities and urbanization

Cities are highly vulnerable to environmental change which is happening at an alarming rate!
This has consequences to both our health and the economy.



Cities are home to

- >55% of the world's population (by 2050: 70%)
- >90% of global GDP
- 65% of global energy consumption
- 75% of anthropogenic greenhouse gas emissions

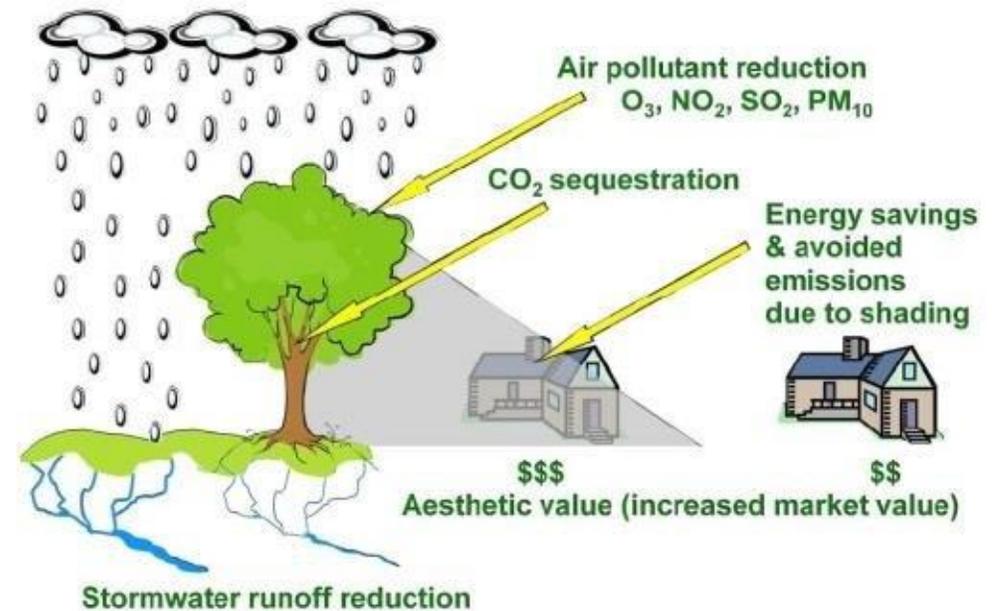


Urban Trees and Urban Forests

Knowledge across cities will help improve urban forestry strategies for the future

- **Historically trees and forests in urban areas have been undervalued** in respect of the ecosystem services they deliver to urban societies
- In urban areas, existing policies and practice for the governance, management and conservation of trees and forests will **need to change in ways that provide a focus on enhancing ecosystem services and meeting new societal demands**
- **Increasing our understanding** of different approaches across countries and continents will facilitate **mutual learning and improve urban forestry strategies in the future**

Urban trees provide ecosystem services



Credit: iTreetools.org



CLEARING HOUSE aims to rehabilitate, reconnect and restore urban forest ecosystems

CLEARING HOUSE project brings together 26 partners and 10 cities

4-year H2020 project coordinated by

- the European Forest Institute (EFI)
- and the Research Institute of Forestry at the Chinese Academy of Forestry (CAF-RIF)



Additional partners are likely to join the consortium in the coming months

河岸修复及区域性生态廊道



CLEARING HOUSE main objectives

-  Mapping how urban forests are used/managed as NBS (typology)
-  Surveying societal perceptions and demands towards UF-NBS in Europe and China
-  Analysing the respective policy frameworks in Europe and China
-  Performing comparative case study analysis in 10 paired cities/city clusters between China & Europe
-  Experimenting with elements of citizen science, co-design and co-learning with stakeholders
-  Developing user-friendly UF-NBS tools (guidelines for practitioners)



CLEARING HOUSE expected impacts

-  Restored and functioning urban ecosystems with an **enhanced capacity to deliver services**
-  Business and investment case for UF-NBS on the basis of **increased evidence about the benefits from restored urban ecosystems** with regards to urban liveability, climate change resilience, social inclusion, urban regeneration, public health and wellbeing
-  **Guidelines for cost-effective and high-impact urban ecosystem restoration** and ecological rehabilitation, as well as **new planning and governance approaches and methods**



CLEARING HOUSE project state

Step 1

Step 1	Knowledge review and analytical concept development
Step 2	Comparative case study analysis
Step 3	Collaborative learning process establishment
Step 4	Knowledge synthesis, Tools development and solutions piloting
Step 5	Communication and dissemination of CLEARING HOUSE results



Urban Forests as Nature-Based Solutions typology

Step 1

Objective

- Methodology for mapping and identifying Urban Forests as Nature-Based Solutions (UF-NBS)
- Sino-European Urban Forest Based Solutions typology roadmap development

Agenda

- Draft of Urban Forests as Nature-Based Solutions typology
 - will be discussed with partners, User Advisory Group and Stakeholder Mirror Group during a workshop at the annual European Forum on Urban Forestry (→ Dec 2020)

Use of results

- Sino-European co-design event (March 2021)
- Analytical framework to be developed
- knowledge for:
 - the comparative case study analysis
 - the application for Urban Forests as Nature-Based Solutions scenarios
 - and the benchmarking tool for Urban Forests as Nature-Based Solutions



Interdisciplinary analytical framework

Step 1

Objective	<ul style="list-style-type: none">• Build an analytical framework studying and implementing Urban Forests as Nature-Based Solutions and their impacts on the urban socioecological system:<ol style="list-style-type: none">1. Development of a screening tool2. Analytical framework draft proposal to be discussed during the Sino-European event3. Revised analytical framework to conduct the case studies after March 2021
Agenda	<ul style="list-style-type: none">• Sino-European co-design event: in-depth discussion between partners, user advisory group and stakeholder mirror group about the draft proposal
Use of results	<ul style="list-style-type: none">• In-depth analysis of the case studies



CLEARING HOUSE project presentation

Step 2

Step 1	Knowledge review and analytical concept development
Step 2	Comparative case study analysis
Step 3	Collaborative learning process establishment
Step 4	Knowledge synthesis, Tools development and solutions piloting
Step 5	Communication and dissemination of CLEARING HOUSE results



Case studies in 10 cities in China and Europe

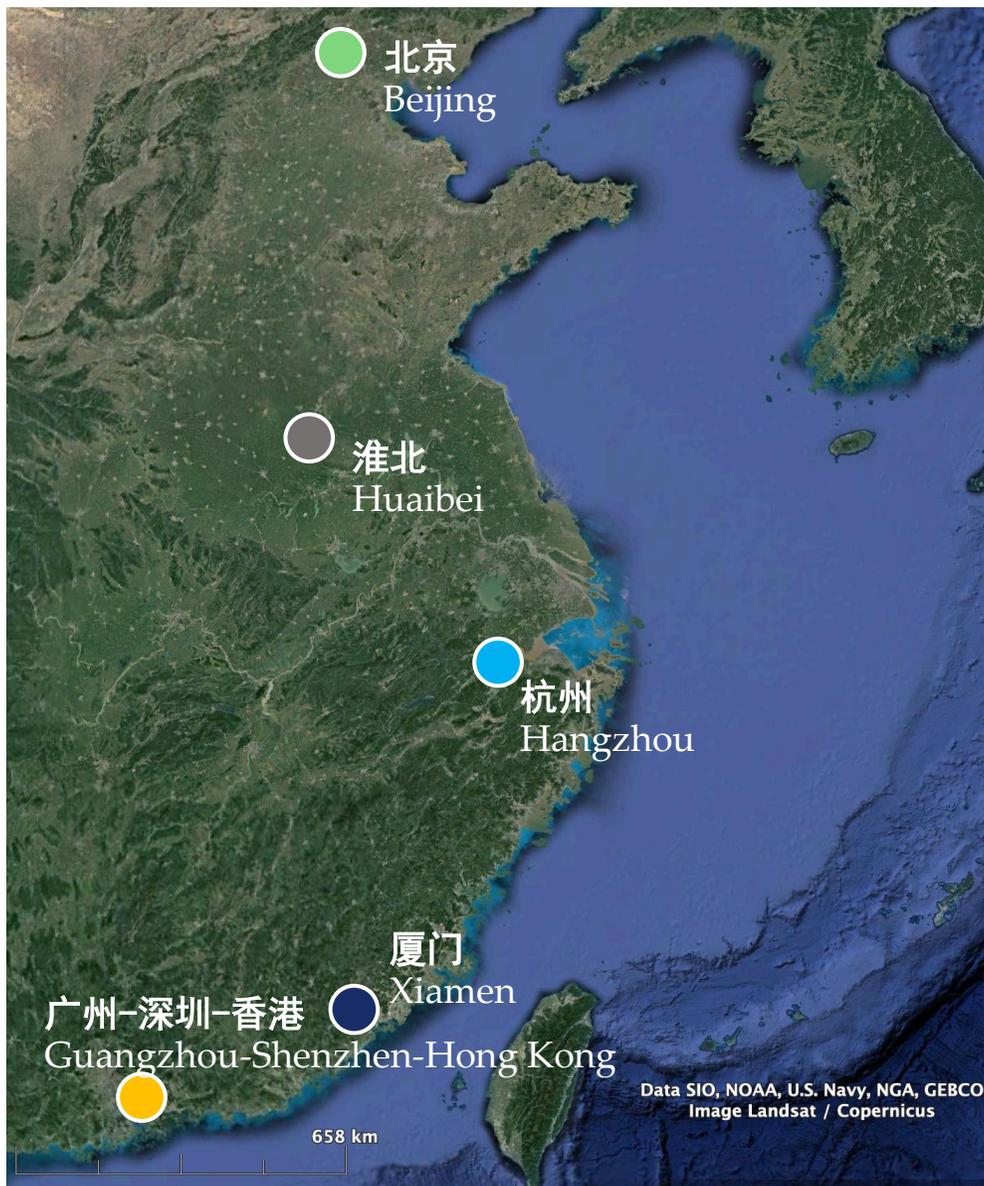
Step 2

EUROPE	CHINA
Brussels	Beijing
(Leipzig-Halle)	HK + Guangzhou + Shenzhen
Krakow	Hangzhou
Gelsenkirchen	Huaibei
Barcelona	Xiamen

REFERENCES

-  Inner-city afforestation
-  Urban-rural territorial linkage
-  Air purification/ air quality improvement
-  Heat-wave mitigation
-  Outdoor recreation
-  River catchment restoration
-  Increasing attractiveness & nature connectivity
-  Restoring former mining sites
-  Urban regeneration
-  Socio-cultural integration





- Diversified ecological functions in urban and rural scales
- Ecological restoration of mining cities
- Riverbank restoration and regional ecological corridor
- Air purification
- Riparian and coastal forest restoration



CLEARING HOUSE project presentation

Step 3

Step 1	Knowledge review and analytical concept development
Step 2	Comparative case study analysis
Step 3	Collaborative learning process establishment
Step 4	Knowledge synthesis, Tools development and solutions piloting
Step 5	Communication and dissemination of CLEARING HOUSE results



Collaborative learning process establishment

Step 3

Objective	<ul style="list-style-type: none">• Implementing the CLEARING HOUSE co-design and co-learning process• Setting up and running the CLEARING HOUSE learning architecture• Developing and implementing a citizen science monitoring of Urban Forests as NBS impact• Evaluating the CLEARING HOUSE collaborative learning process and exploring options for a durable institutionalization of the learning architecture
Agenda	<ul style="list-style-type: none">• Sino-European co-design event bringing together cities, policymakers, civil society and scientists from all selected case studies and relevant continental organizations in Europe and China• Identification of the information demands of the key user groups at both city and (supra-)national levels by the stakeholder mirror group and the user advisory group<ul style="list-style-type: none">➤ Objective: translate these into research questions for the project
Use of results	<ul style="list-style-type: none">• Identification of the most critical questions to be analyzed in the comparative case study• Definition of the requirements for the tools and actions to be developed in step 4 and 5



CLEARING HOUSE project presentation

Step 4

Step 1	Knowledge review and analytical concept development
Step 2	Comparative case study analysis
Step 3	Collaborative learning process establishment
Step 4	Knowledge synthesis, Tools development and solutions piloting
Step 5	Communication and dissemination of CLEARING HOUSE results



Deriving business models and investment cases

Step 4

Objective

- **Development of sustainable business models and investment cases** for selected Urban Forests as Nature-Based Solutions and their scenarios
 - Environmental, socio-cultural and socio-economic factors analyzed, with the aim to boost Urban Forests as Nature-Based Solutions deployment
 - Selected novel business models will be tested in the local case studies
 - A mid-term workshop in connection to the 3rd GA will review the piloting of Sustainable Business Model Innovation

Agenda

- User Advisory Group involved in the review of the piloting of Sustainable Business Model Innovation during the mid-term workshop



Developing decision support for UF-NBS implementation

Step 4

Objective

- **Development and testing of distinct decision support tools** for facilitating the deployment of Urban Forests as Nature-Based Solutions
- Inclusion of demands defined by stakeholders and key users in the co-design process
- Description of the decision support tools:
 - an **application for developing, modelling and assessing Urban Forests as Nature-Based Solutions scenarios in urban development** for a cost-effective and performant service delivery at diverging scales
 - **A simple but effective global benchmarking tool to compare UF-NBS in different settings**

Agenda

- Inception workshop organized - connected to the Sino-European codesign event
 - Defines the terms for further decision support development by the consortium partners and external stakeholders (including the user advisory group)
 - **kicks-off the development and testing of distinct decision support tools**
- **The stakeholder mirror group and the user advisory group will be involved in the tool development**



CLEARING HOUSE project presentation

Step 5

Step 1	Knowledge review and analytical concept development
Step 2	Comparative case study analysis
Step 3	Collaborative learning process establishment
Step 4	Knowledge synthesis, Tools development and solutions piloting
Step 5	Communication and dissemination of CLEARING HOUSE results



Communication and dissemination

Step 5

Objective

- **Communicating CLEARING HOUSE**
 - The communication plan will be updated throughout the project
- **Engaging institutional stakeholders and citizens / civil society**
 - A Sino-European stakeholder mirror group will be created to involve national and international institutional stakeholders from the beginning of the project
- Maintaining a **webinar platform for knowledge exchange and upskilling**
- Disseminating CLEARING HOUSE **research findings** → [CLEARING HOUSE Blog](#)
- Conducting **innovation and exploitation management**



First results: CLEARING HOUSE Blog

Step 5

Clearing House H2020 > News > Blog > Green spaces & urban forests during the COVID-19 pandemic



PLEASE FOLLOW & LIKE US :)



Type keyword(s) here

SEARCH

MORE ON OUR PROJECT



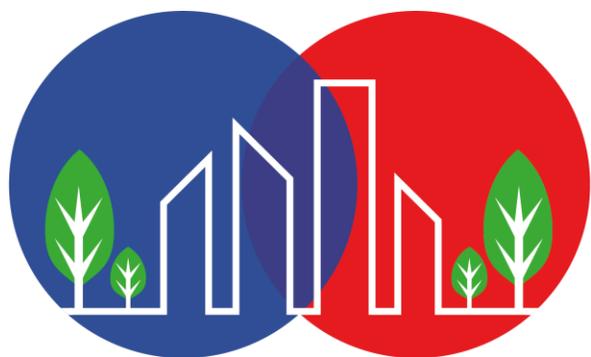
Project Flyer
4 mb, PDF

GREEN SPACES & URBAN FORESTS DURING THE COVID-19 PANDEMIC

📅 23 July 2020 💬 0



Thank you for your attention.



CLEARINGHOUSE
中欧城市森林应对方案



CLEARINGHOUSEPROJECT.EU



hello@clearinghouseproject.eu



中欧城市森林应对方案



中欧城市森林应对方案



@CLEARINGHOUSE_



@CLEARINGHOUSE_H2020



CLEARINGHOUSE

