



Global impact through local action

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Urban Biodiversity Hub

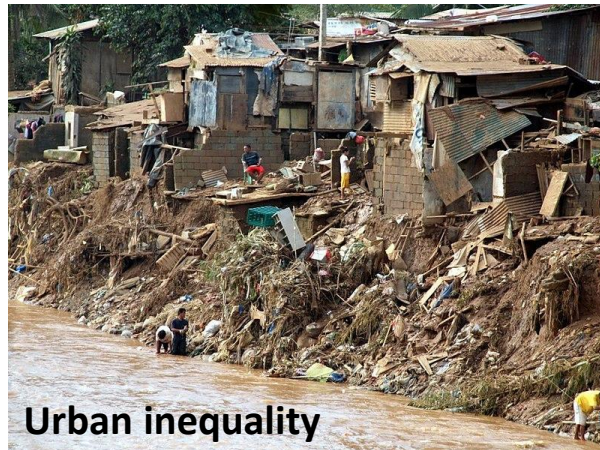
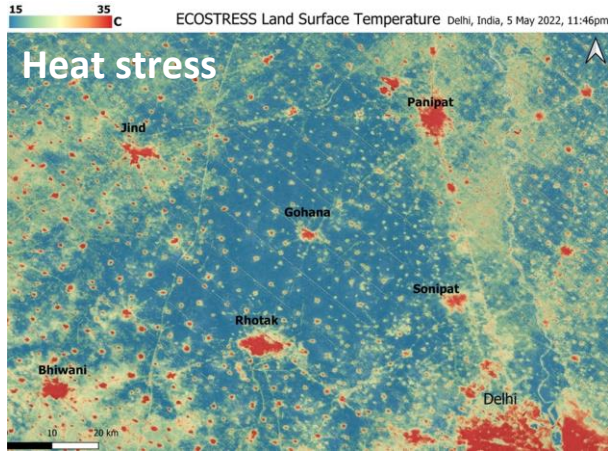
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Advancing the Application of NbS in an Urban Context:

The need for Urban NbS Guidelines

Urban Socio-Environmental Challenges



Nature-based Solutions



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Nature-based Solutions in Cities

NbS in cities are more complex



“Hyper”
competition in
land use needs



Multiple and
fragmented
ecosystems



Proximity to
human
settlements



Land ownership



Issues of equity



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Nature-based Solutions in Cities

NbS in cities are more complex



"Hyper"
competition in
land use needs



**Multiple and
fragmented
ecosystems**



**Proximity to
human
settlements**



Land ownership



Issues of equity

NbS in cities offer much potential



**Address multiple
co-benefits**



Connectivity



**Citizen
engagement**



**Partnerships and
political buy-in**



**Advance
equitable
outcomes**

Nature-based Solutions in Cities in Asia

Asia X

153 Results

una.city/front-search/region/asia

Urban Nature Atlas

Atlas About Stories Analysis Methodology FAQ

Welcome to the Atlas

A collection of more than 1000 inspiring nature-based solutions from European cities and beyond

Add project Suggest project Recommender Explorer

Select Key Challenges Select Nature-based Solutions Collection phase

Search

Advanced Filter

Challenges addressed Nature-based solutions

Region Country City Focus

Management set-up Initiating organisation

Project cost Type of financing source

Environmental impacts

Social impacts Economic impacts

Presence of formal monitoring system

Map of Asia showing the number of results for each country: 3 (Kazakhstan), 10 (Mongolia), 4 (South Korea), 4 (Japan), 4 (East China Sea), 13 (China), 34 (Vietnam), 13 (Philippines), 20 (Indonesia), 4 (Papua New Guinea), 7 (Lao), 18 (Myanmar), 13 (Nepal), 7 (Pakistan), 7 (Afghanistan), 4 (Iran), 5 (Türkiye), 4 (Iraq), 4 (Saudi Arabia), 7 (India), 3 (Kyrgyzstan), 3 (Turkmenistan), 4 (Ukraine), 3 (Belarus), 4 (Romania), 4 (Greece), 4 (Egypt), 4 (Sudan), 4 (Yemen), 4 (Oman), 4 (Ethiopia), 4 (Kenya), 4 (Somalia), 4 (DRC), 4 (Tanzania).

Nature-based Solutions in Cities in Asia

Urban parks


Large urban parks or forests X

Asia X

Reset filters


Projects

53 Results
1 of 4 pages




"Uuliin Nuur" Park
Uuliin Nuur (Mountain Lake or Green Lake) is a community park located in the ger district area known as Denjin Myanga of Ulaanbaatar city. The Ger district is a term commonly...

Budget ●●●●● [Read more](#)




ACROS Fukuoka Prefectural International Hall Step Garden
The 'Step Garden' is a 14-tier green roof atop the Asian Cross Roads Over the Sea (ACROS) Fukuoka Prefectural International Hall in Fukuoka, Japan (Ref. 2). The...

Budget ●●●●● [Read more](#)




All Shaheed Park
Al Shaheed Park is the largest park in the country. The park was designed to include besides its green spaces, several buildings (museums, parking) populated with green roofs...

Budget ●●●●● [Read more](#)




Angkor Botanical Garden
Angkor Botanical Garden is Cambodia's first botanical garden, located in the city of Siem Reap. It is a popular tourist attraction for visitors from around the world who...

Budget ●●●●● [Read more](#)




Ayala Triangle Gardens
The 2-hectares public garden is located in Makati Central.

Budget ●●●●● [Read more](#)




Bangpu Nature Education Center
Due to the decreasing number...

Budget ●●●●● [Read more](#)



Bayangol Park
Bayangol park is located in the Bayangol district of Ulaanbaatar.

Budget ●●●●● [Read more](#)



Beddagana Wetland Preservation
The Beddagana Wetland Park is...

Budget ●●●●● [Read more](#)

Coastal NbS


Coastal wetland, mangroves and salt marshes X

Asia X

Reset filters


Projects

18 Results
1 of 2 pages




Bangpu Nature Education Center
Due to the decreasing number of mangrove forests in the inner Gulf of Thailand, WWF Thailand aspires to protect the remaining mangroves. Supporting this objective, WWF worked...

Budget ●●●●● [Read more](#)




Beddagana Wetland Preservation
The Beddagana Wetland Park is located in Sri Jayawardenapura Kotte, Sri Lanka's administrative capital. The wetland park plays an important role in flood regulation and...

Budget ●●●●● [Read more](#)




Building Coastal City Resilience in Pekalongan
As an archipelagic state, Indonesia consists of 18,000 islands and 18,000 km of coastline, which is inhabited by more than 60% of the Indonesian population. Its geographical...

Budget ●●●●● [Read more](#)




Coastal Mangrove Afforestation
Bangladesh Forest Department (BFD), as a part of its annual development programme, has been leading the coastal afforestation programme to stabilize Bangladesh's coastline...

Budget ●●●●● [Read more](#)




Community Mangrove Biodiversity Conservation in Penang
Berembang mangrove conservation...

Budget ●●●●● [Read more](#)




Constructed wetland
In 2005, a constructed wetland...

Budget ●●●●● [Read more](#)



Ecological Wetland Park in Tianjin
The park is located in Tianjin...

Budget ●●●●● [Read more](#)



Green belt for coastal protection
The project is located in Batticaloa...

Budget ●●●●● [Read more](#)

Nature-based Solutions in Cities in Asia

Urban farming • Community gardens


Community gardens and allotments X

Asia X

Reset filters

Projects

39 Results
1 of 3 pages




Ulaanbaatar, Mongolia

"Misheel" botanical garden

The Misheel Botanical Garden is a large park located in Ulaanbaatar, Mongolia, established in 2021 along the Tuul River. The project was carried out by "Misheel Group..."

Budget ●●●●●●●● [Read more](#)




Bangkok, Thailand

Bangkok City Farm

Due to the growing population density and extreme climate events in Bangkok, Thailand, food security has become a more and more pressing issue for urban people. As a response...

Budget ●●●●●●●● [Read more](#)




Ulaanbaatar, Mongolia

Bayangol Park

Bayangol park is located in the Bayangol district of Ulaanbaatar along the Tuul riverside. The "Bayangol Agropark" was originally established in 2014 under the...

Budget ●●●●●●●● [Read more](#)




Bangkok, Thailand

Benchakitti Forest Park


Benchakitti Forest Park was created as the extension of the existing Benchakitti Water Park, which is located near the central business district of Bangkok, Thailand. The...

Budget ●●●●●●●● [Read more](#)




Gorakhpur, India

Building climate resilience through peri-urban agriculture



Kuala Lumpur, Malaysia


Buku Jalanan Chow Kit Urban Farm



New Delhi, India

Butterfly corridor

This project aims to create a...



Chiangmai, Thailand

Chiangmai Urban Farm

The Chiangmai urban farm was...

Green Infrastructure


Grey infrastructure featuring greens X

Asia X

Reset filters

Projects

57 Results
1 of 4 pages




Vinh, Vietnam

Vinh River Rehabilitation Project

Vinh is the biggest city in north-central Vietnam and is the hub for economic and cultural development in the region. As of 2018, the city has a population of approx. 500,000...

Budget ●●●●●●●● [Read more](#)




Izhevsk, Russia

"Let's return the rivers to the city" campaign

In 2019, the public initiative "Let's return the rivers to the city" campaign united public forces around the Podborenka river, which flows through the...

[Read more](#)




Ulaanbaatar, Mongolia

"Misheel" botanical garden

The Misheel Botanical Garden is a large park located in Ulaanbaatar, Mongolia, established in 2021 along the Tuul River. The project was carried out by "Misheel Group..."

Budget ●●●●●●●● [Read more](#)




Yerevan, Armenia

Armenia's Tree Project

The Armenia Tree Project is a national initiative founded in 1994. The project engages in involving different community members in an urban planting program, environmental...


Budget ●●●●●●●● [Read more](#)



Bangkok, Thailand

Bangkok City Farm


Due to the growing population



Ulaanbaatar, Mongolia


Bayangol Park

Bayangol park is located in the



Singapore, Singapore

Bishan-Ang Mo Kio Park & Kallang River Restoration



Kathmandu, Nepal

Blue Green Infrastructure Mapping

How do I apply NbS in cities?

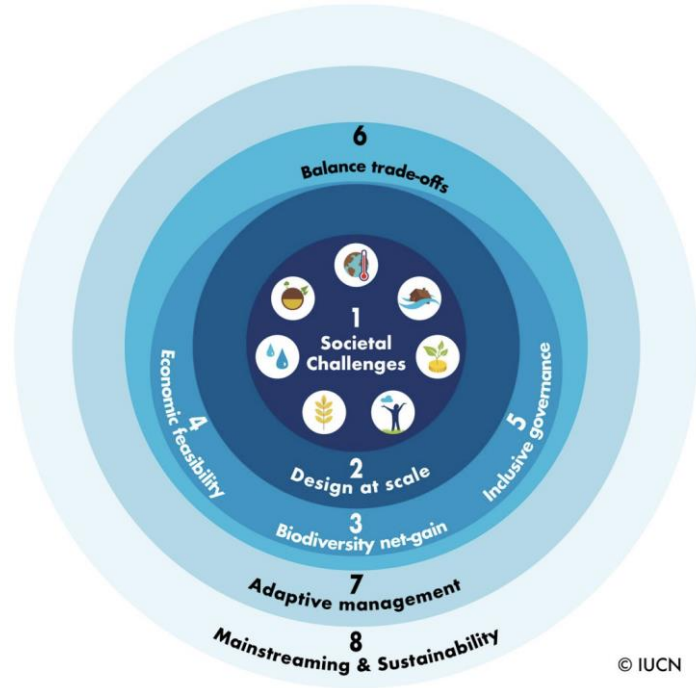
How do I apply NbS in cities?

IUCN NbS definition



© IUCN

IUCN Global Standard for NbS



© IUCN

How do I apply NbS in cities?

IUCN NbS definition

IUCN Global Standard for NbS

Where do I begin?

I don't have the technical expertise

How can I fund this?

How do I communicate NbS to stakeholders?



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IUCN Urban NbS Guidelines



- Provide cities and urban practitioners with the necessary technical guidance to integrate nature and biodiversity protection into decision-making processes and urban planning
- Strengthen the role of IUCN and its knowledge products, as well as the connection among its Members, Commissions, partners, and research institutions



First draft prepared

Consultation with
global experts
and IUCN
Members

Launch at IUCN
World
Conservation
Congress (Oct
2025)

Introduction to UBHub



Global and Local Mission:

- Improve cities' understanding of their relationship with nature, in both concept and practice
- Link global frameworks with local strategies for nature

Global Expertise:

- Policies and strategies for cities and nature
- Knowledge in sustainable cities and international frameworks
- Strategic planning, analysis, and indicators
- Multicultural facilitation for successful output-oriented workshops

UBHub: Comprehensive Database

Urban Biodiversity Plans, Policies, Institutions, and Other Initiatives

We host the source for current actions in urban biodiversity, including program participation, plans, reports, policies, and frameworks from around the world.

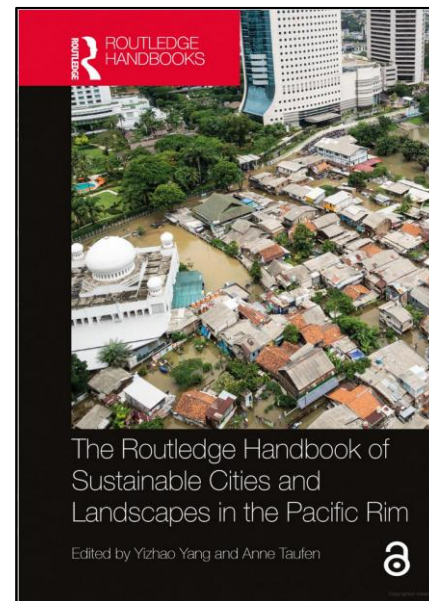
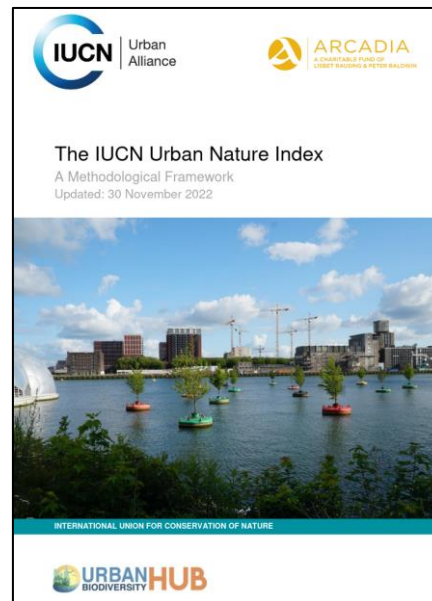
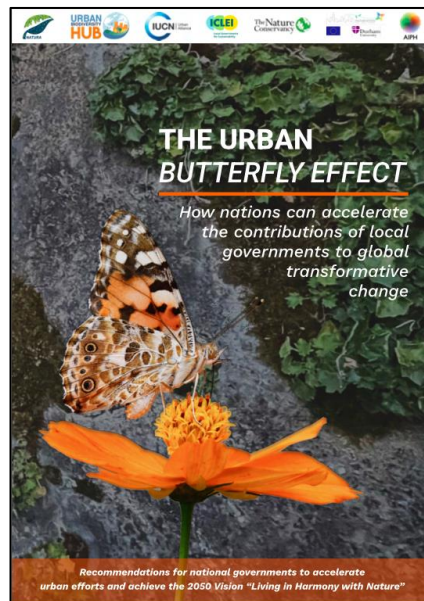
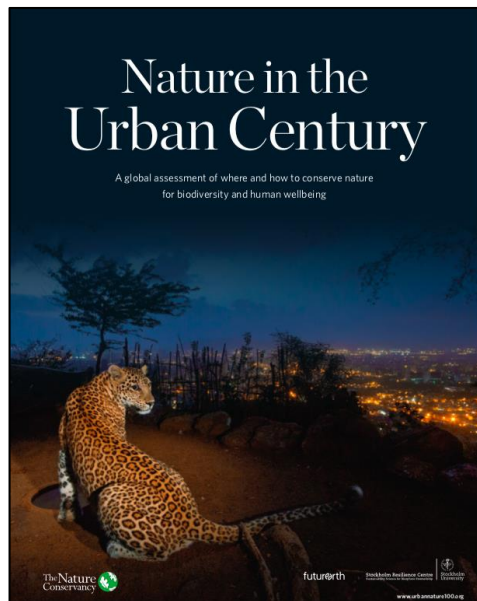


At least **922** cities worldwide have initiatives for biodiversity,
Many subnational and national programs for urban biodiversity also exist.

Source: UBHub Database, available at www.ubhub.org/map



UBHub: Open Source Publications



PLOS ONE

Actions, indicators, and outputs in urban biodiversity plans: A multinational analysis of city practice

Jennifer Rae Pierce, Melissa A. Barton, Mika Mei Jia Tan, Ginevra Oertel, Michael D. Halder, Pablo Arturo Lopez-Gujios, Rohan Nuttall

Published: July 8, 2020 • <https://doi.org/10.1371/journal.pone.0235773>

frontiers in Conservation Science

Scaling Biodiversity Conservation Efforts: An Examination of the Relationship Between Global Biodiversity Targets and Local Plans

npj | urban sustainability

Urban Nature Index tool offers comprehensive and flexible approach to monitoring urban ecological performance

Jennifer Rae Pierce, Laura Costadone, Lelani Mannetti, Joeri Morpurgo, Charlyn Elaine Green, Michael D. Halder, Pablo Arturo Lopez-Gujios, Abner L. Bogan, Russell Galt & Jonathan Hughes

IUCN Urban NbS Guidelines



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2025)



Urban NbS Guidelines Survey

Share your expert input

Shape the
Urban NbS Guidelines



<https://survey.alchemer.com/s3/8194886/Urban-NbS-Guidelines>

URBAN BIODIVERSITY HUB



Global impact through local action.

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*International Symposium on
Urban Biodiversity and Sustainable Development
(Asia Region)*

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