

CITY IN FOCUS

KANPUR

PROJECT	Addressing the Urban Drivers of River Health in the Ganga River Basin
Contact person	Nikita Madan (Research Associate)

NIUA is supporting the city of Kanpur in preparing **India's first Urban River Management Plan** based on a unique framework \for management of urban rivers. The Kanpur Municipal Corporation in association with the concerned parastatal agencies, is pioneering this work under the leadership of the city Commissioner.

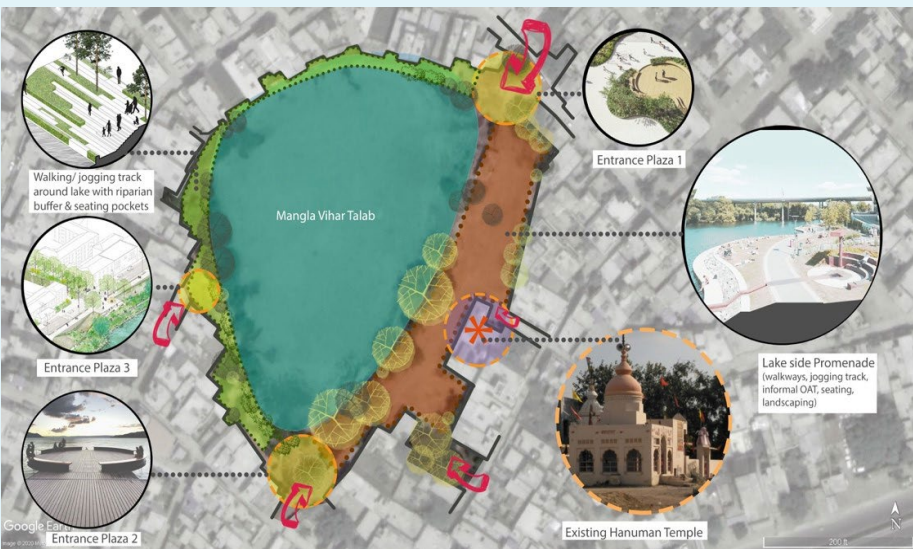
One of the core objectives of this plan is '**Rejuvenation of Water Bodies and Wetlands**'. Under this objective, a revival plan has been prepared for two waterbodies identified by the local authorities, *Mama Talav* and *Mangla Vihar*, involving the following three aspects.

Ensure adequate water in water bodies	Remove pollution from water bodies	Beautification and rejuvenation of water bodies
<p>Protect catchment and demarcate inflow and outflow</p> <p>Divert stormwater and harvest rainwater</p> <p>Divert treated wastewater from surrounding colonies post DEWAT</p> <p>De-silt waterbodies and silt traps in inflow channels</p>	<p>Manage solid waste</p> <p>Adopt in-situ treatments with bio-remediation, floating constructed wetlands, etc.</p> <p>Connect households with sewerage network/ septic tanks with soak pits</p> <p>Small capacity DEWATs for non-sewered areas</p>	<p>Develop community spaces and play areas surrounding water bodies, to connect people</p> <p>Develop promenades along waterbodies</p> <p>Provide vegetative buffer strips around water bodies</p>

- Partners:** Kanpur Municipal Corporation; and National Mission for Clean Ganga, Ministry of Jal Shakti (Central Agency)
- Status of the initiative:** Under implementation
- Impact of the initiative:** This initiative, after implementation, will restore the degraded ecosystem, enhance the public connect, and in improve the economic potential leveraged from these natural surroundings.
- Sustainability of the initiative:** The Kanpur Nagar Nigam has taken ownership of the project and is in the process of earmarking dedicated budgets for the post-implementation activities.



Concept plan for revival of **Mama Talav** water body, proposing elements *like Riparian Buffer, Promenade with stepped seating, Waterfront watch Tower, Floating Bridge, Central Island, Play Area and OAT*



Concept plan for revival of **Mangla Vihar** water body, proposing elements *like Riparian Buffer, Promenade with stepped seating, Entrance Plaza and walking/jogging tracks*

Supporting documents: Components and Guidance Note titled “A strategic framework for managing urban river stretches in the Ganga Basin: Urban River Management Plan”, accessible [here](#)

Rejuvenated water bodies are wonderful avenues for social interaction. One of the biggest factors in climate change adaptation, as pointed out by various studies, is social cohesion. Kanpur has 80 water bodies, and most of them are in a dilapidated condition. Once the current work is scaled up to the rest of the city, there will be a significant enhancement in the ecosystem restoration and hence climate change resilience.

DIRECTOR'S MESSAGE



National Institute of Urban Affairs

Urbanization stresses and emerging challenges have had a detrimental impact on the local ecosystems in Indian cities. At NIUA, with capacity-building, research and advocacy efforts we contribute towards India's sustainable urban transformation. We develop strategies to mitigate climate risks, and build resilient cities that provide environmental co-benefits. I hope that this World Environment Day is a reminder for all of us to work towards a new-wave of urban transformation, safeguarding the existing ecosystem for the future generations.



HITESH VAIDYA
DIRECTOR, NIUA

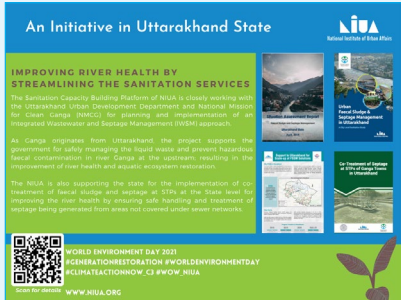
#GENERATIONRESTORATION #WORLDENVIRONMENTDAY #WOW_NIUA #CLIMATEACTIONNOW_C3

OP-ED

Op-Ed on Mainstreaming climate action in cities towards restoring our urban ecosystems authored by Sh. Hitesh Vaidya, Director, National Institute of Urban Affairs (NIUA); Ms. Purna Mehta Associate Director - Urban Development, World Resources Institute, India and Ms. Raina Singh, Lead - Policy and Partnerships, Climate Centre for Cities, NIUA. On the occasion of World Environment Day 2021, and the designated global theme on Ecosystem Restoration, the articles highlights the need to undertake urgent action towards climate change in India. [Here](#)

HIGHLIGHTS

Highlights of a week-long celebration of World Environment Day by the National Institute of Urban Affairs, through the social media handles. NIUA shared details of projects related to the theme 'Ecosystem Restoration' in form of posters, flyers, blogs along with a twitter campaign



RESTORING URBAN ECOSYSTEMS THROUGH GREEN BLUE PLANS

By Vishakha Jha, Research Associate, Master Plan Delhi 2041



Yamuna Biodiversity Park, Delhi

Cities benefit in numerous ways from ecological features such as forests, rivers and wetlands, while also from man-made features such as planned parks, ponds, trees etc. However, increasing development pressures have had a detrimental impact on these valuable natural assets. For example, Delhi despite having more than 900 water bodies in the form of lakes, ponds and tanks has seen a marked reduction over the past decade due to encroachment, pollution and natural drying up of water bodies. A recent article by Observer Research Foundation highlights that Mumbai, in the past three decades, has witnessed a loss of almost 60% in its vegetation. The situation is no different in most Indian cities, and the repercussions are already being witnessed with alarming frequency. The air is getting more polluted, temperatures are soaring, instances of flooding are on the rise, urban biodiversity is shrinking and several others.

To address these challenges of degrading urban ecosystems, there has been a growing focus on developing green blue plans. This essentially involves reviving and interconnecting the blue and green features within cities using an amalgamation of planning, engineering and landscaping elements. While this is not a new concept, and some cities have explored this to a fair degree of success, the planning and implementation of this remains a challenge in most cities. A common mistake made is using a siloed approach, with focus on either parks, or water bodies individually and not considering a larger catchment area or larger network of such assets. The planning of city's infrastructure, need to become more ecologically sensitive by reviving the degrading assets, while also developing and adapting to nature-based solutions to meet the overarching goal of restoring ecosystem for creating sustainable cities. [Read More](#)

BINGO

The Climate Centre for Cities (C-Cube) at NIUA celebrated the World Environment Day 2021. As a part of the week-long celebration, the Sustainable Cities Integrated Approach Pilot in India (SCIAP) project hosted a #Bingo Challenge from 4-5 June 2021.

The rules for participation were as follows –

1. Share (or retweet, for twitter) your **#NIUA_Bingo** score.
2. Along with the score, share a picture of yours of one of the activities and share your experience being an environment champion.
3. Use the hashtags **#GenerationRestoration** **#WoW_NIUA** **#ClimateActionNow_C3** **#NIUA_Bingo** **#EnvironmentChamp** in your post.



National Institute of Urban Affairs

NIUA WoW BINGO!

Participation Rules

1. Each activity mentioned in the Bingo that you practice would count as 1 point.
2. Share (or retweet, for twitter) your **#NIUA_Bingo** score.
3. Along with the score, share a picture of yours of one of the activities and share your experience being an environment champion.
4. Use the hashtags **#GenerationRestoration** **#WoW_NIUA** **#ClimateActionNow_C3** in your post.

REUSE OF OLD NEWSPAPER	CRAFTING DISHES AND BOWLS FROM COCONUT SHELLS	PLANTERS FROM PLASTIC BOTTLES, CUPS, ETC.	UPCYCLING USED CLOTHES AND FABRICS TO BAGS/MATS
DONATE USED TOYS AND PRODUCTS	COMPOSTING VEGETABLE SCRAPS AND LEFTOVERS	REDESIGNING AND REUSING OLD FURNITURE	REPURPOSING USED CLOTHES AS WIPECLOTH OR WASHCLOTH
PASS DOWN OLD BOOKS TO KINS, FRIENDS AND LIBRARIES	DECOR ITEMS AND CRAFTS OUT OF USED AND DISCARDED BULBS, CARTONS, ETC.	USING VEGETABLE SCRAPS TO MAKE BIO-ENZYMES FOR PLANTS AND HOUSEHOLD CLEANING	REUSE OF GLASS AND PLASTIC CONTAINERS USED IN PACKAGING HOUSEHOLD STORAGE



Score Yourself - 9-12 WoW Champion | 5-8 WoW Hero | 0-4 WoW Enthusiast

FOLLOW US FOR AN ENGAGING WEEK AHEAD ON ECOSYSTEM RESTORATION THROUGH THE LENS OF URBAN TRANSFORMATION
#GENERATIONRESTORATION #WoW_NIUA #CLIMATEACTIONNOW_C3

CREDITS - SBM TEAM, NIUA

VIRTUAL URBAN THINKERS CAMPUS ON CLIMATE ACTION

(An Initiative under the World Urban Campaign of UN-Habitat)

REBUILDING URBAN KERALA THROUGH EQUITABLE RESILIENCE

June 4, 2021
14.00 to 21.30 hrs (IST)
08.30 to 16.00 hrs (GMT)

June 5, 2021
09.30 to 13.00 hrs (IST)
04.00 to 07.30 hrs (GMT)

Please join us on **zoom**

Live streaming on KILA YouTube channel and Facebook Page



CO-ORGANISED BY



UTC

NIUA was a partner for the 2-day Virtual Urban Thinkers Campus organised by Kerala Institute of Local Administration from 4-5 June 2021. The event focused on **'Rebuilding Urban Kerala through Equitable Resilience'**. Dr. Umamaheshwaran Rajasekar, Chair, Urban Resilience and Head of C-Cube, was a panelist at UTC Session II on Climate Change & Urban Planning.

BLOG

C-Cube Blog, Ms. Akanksha Laroia and Mr. Md. Asif Raza associated with the Cities Investments to Innovate, Integrate and Sustain (CITIIS) programme under the National Institute of Urban Affairs write about 'Green Planning' as the necessary tool to achieve the goals of sustainable development and reduce global carbon emissions.

Read blog [here](#)



Climate Centre for Cities



Ministry of Housing and Urban Affairs
Government of India



Smart City

CLIMATE SMART CITIES ASSESSMENT FRAMEWORK 2.0

C-CUBE BLOG SERIES

PLANNING GREEN CITIES WITH CITIES INVESTMENTS TO INNOVATE, INTEGRATE AND SUSTAIN (CITIIS) PROGRAMME

Link: <https://linktr.ee/ccube>





AKANKSHA LAROIA
Program Officer, CITIIS
National Institute of Urban Affairs



MD. ASIF RAZA
Program Officer, CITIIS
National Institute of Urban Affairs

Climate Centre for Cities

National Institute of Urban Affairs

1st Floor, Core 4B, India Habitat Centre, Lodhi Road, New Delhi – 110003 Phone: 011-411-86699 (Monday - Friday, 9:00AM - 5:00PM)

Email: climate-smartcities@gov.in, c-cube@niua.org

Websites: smartnet.niua.org/csc/index.html | amplifi.mohua.gov.in/data | www.niua.org/c-cube/

FOLLOW US @

