

TOOL OVERVIEW AND PURPOSE

What is it?

Mapathons are community-led initiatives to identify and document potential urban planting sites. They capitalize on technology and scientific methods to create a structured repository of sites ideal for greening in cities.



CONTEXT AND APPLICABILITY

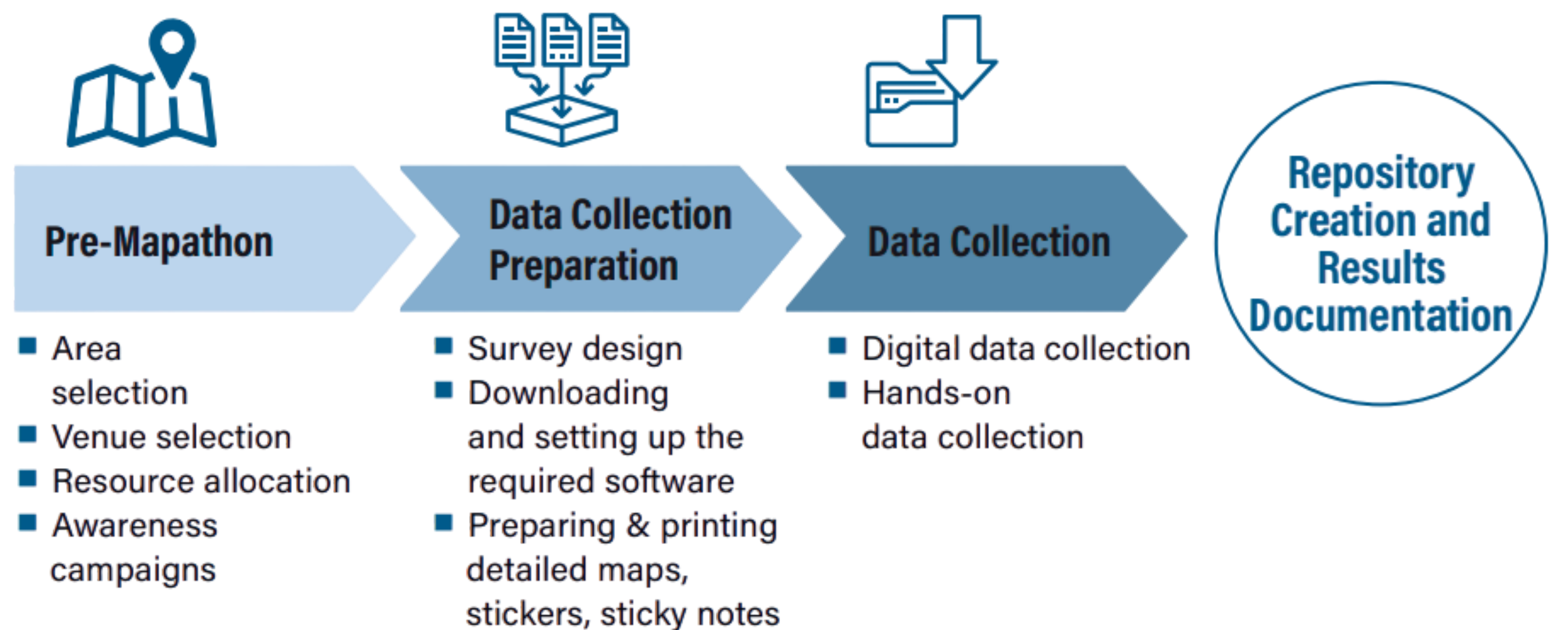
Target Users:



Policymakers and government departments



RWAs, CSOs and Citizen groups



NEED FOR MAPATHON

In the face of rising heat, floods and shrinking green cover, Mapathons help communities and experts collaboratively identify suitable planting sites which enables evidence-based urban greening and climate resilience

IMPACTS AND BENEFITS OBSERVED

- Fostering a sense of ownership and commitment to enhancing urban greens
- Strategic and scientifically verified site selection using advanced geospatial data and technology helped optimize environmental benefits, such as urban heat island mitigation, flood risk management and biodiversity conservation



SCAN
For Guidebook



District Ganga Plan (DGP) Handbook

Empowering Local Governance for Global River Standards



Implemented by
giz Deutsche Gesellschaft
für Internationale
Zusammenarbeit (GIZ) GmbH

THEMATIC FOCUS: Integrated River Basin Management (IRBM) & Institutional Strengthening

STAGE: Operational

TOOL OVERVIEW AND PURPOSE

What is it?

The DGP Handbook is a comprehensive technical guiding tool for river basin planning & management at the district level that can be directly adopted by District Ganga Committees (DGCs) to prepare their respective District Ganga Plans. in accordance with the NMCG Authority Order 2016. It addresses the challenge of fragmented local planning by providing DGCs with a structured, science-based framework to identify river-specific issues and plan holistic rejuvenation activities for the Ganga and its tributaries.



CONTEXT AND APPLICABILITY

Target Users:



District level agencies involved in river basin planning- District Ganga Committees, ULBs and parastatal agencies, line departments



NGOs, Academia, Training institutions and NGOs



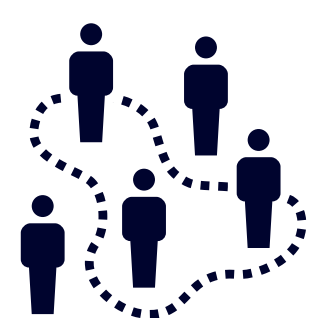
1. Baseline Profiling

- District Overview
- Water Resource Characterisation
- Institutional Mapping



2. Diagnostic Analysis & Risk Assessment

- Key Issue Identification
- Situational & Gap Analysis
- Risk Assessment
- Intervention Strategy

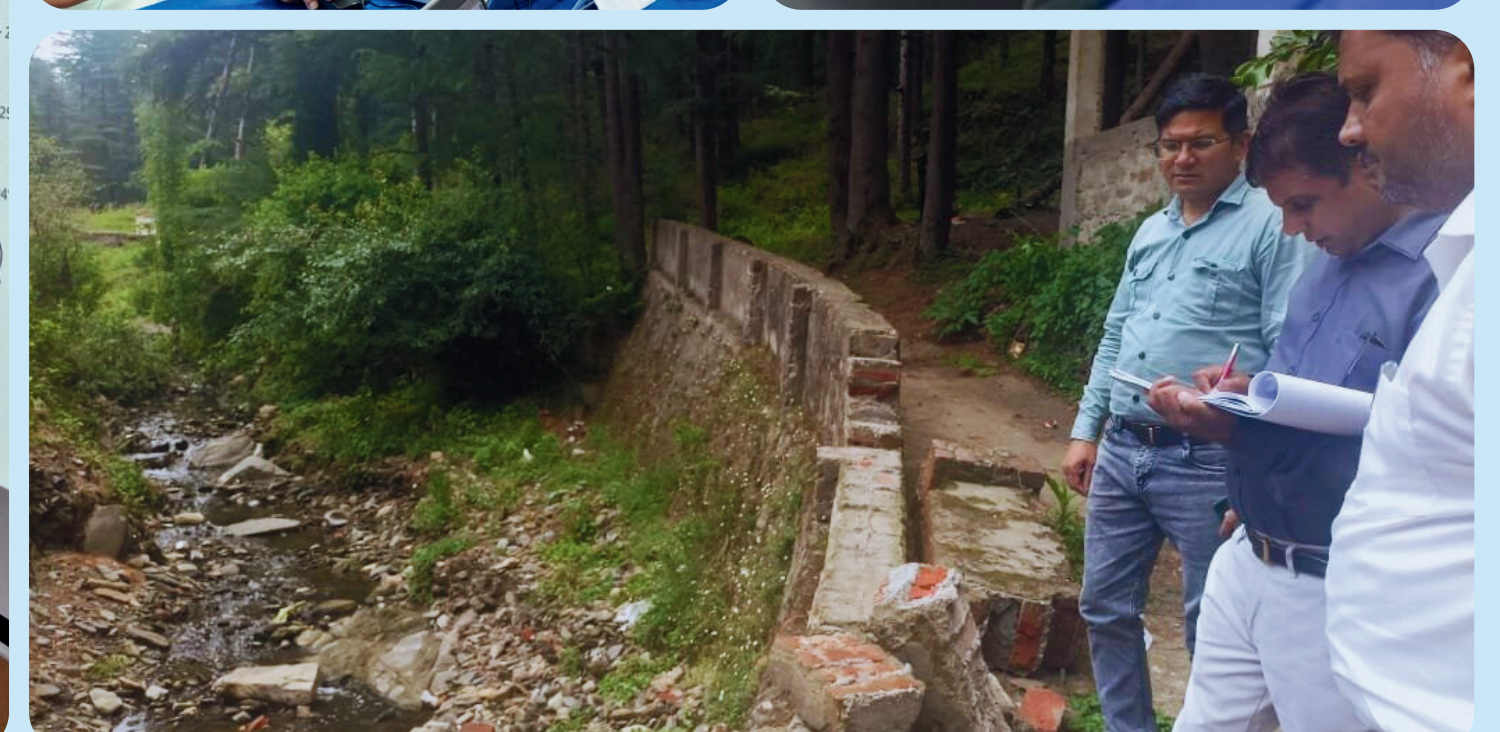


3. Strategic Action & Impact Monitoring

- Action Planning
- Resource Allocation
- Monitoring & Evaluation
- Adaptive Management

IMPACTS AND BENEFITS OBSERVED

- **Enforcement**-Strengthened the managerial capacity of District Ganga Committees (DGCs) to operationalise the NMCG Authority Order 2016, mandating holistic district-level rejuvenation plans for the Ganga and its tributaries.
- **Holistic Planning & implementation**: Provided a technical framework for DGCs to conduct situational gap analyses and implement targeted, site-specific river restoration interventions.
- **Capacity Development & Institutional strengthening**: Enhanced the expertise of line departments and executing agencies in Integrated River Basin Management (IRBM), facilitating collaborative DGP preparation and scaling (e.g., current support to 10 pilot DGCs via IIPA).



YOUR RIVER BLUEPRINT
IS ONE SCAN AWAY

Join us in rejuvenating
rivers!



River Basin Management Toolbox

Technical Excellence for Integrated Water Resource Management



THEMATIC FOCUS: Integrated River Basin Management (IRBM) | Planning, Assessment, & Implementation

STAGE: Operational

TOOL OVERVIEW AND PURPOSE

What is it?

The RBM Toolbox is a comprehensive technical guidance framework developed under the India-EU Water Partnership (IEWP). It provides a scientific methodology to achieve "good status" for river basins by addressing critical issues in water quality, quantity, and ecosystem health. The tool solves the problem of fragmented water management by utilising sophisticated monitoring systems, modelling tools, and basin-wide risk assessments.



CONTEXT AND APPLICABILITY

Target Users:



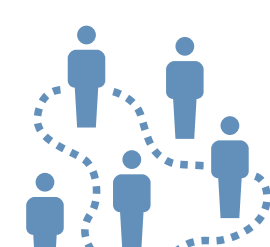
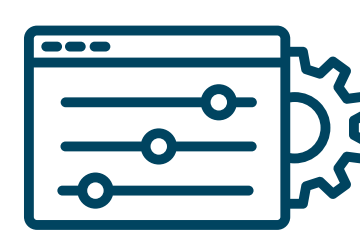
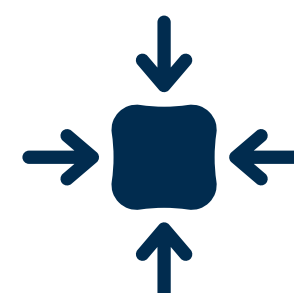
River Basin Organisations / Committees



Central and State Water Resource Departments



Basin-level stakeholders and water users associations



Basin Characterisation

Pressure/ Impact Analysis

Risk Assessment

Scientific Modelling

Programme of Measures

Outlining the physical and socio-economic state of the basin

Identifying Drivers, Pressures, State, Impact, and Response

Criteria-based evaluation for surface water and groundwater quality/quantity

Integration of SWAT (hydrology), RIBASIM (water allocation), and MesoHabsim (E-Flows)

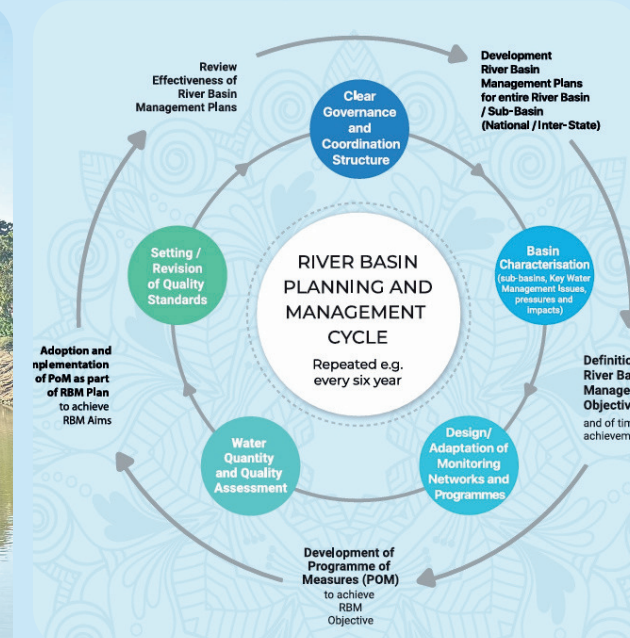
Structuring concrete actions to improve river status

IMPACTS AND BENEFITS OBSERVED

- Facilitates inter-state cooperation for shared water bodies
- Scientific-evidence based river basin planning

POLICY ALIGNMENT AND ACCESS

- Fully synchronised with the EU Water Framework Directive (WFD) standards and global Integrated Water Resources Management (IWRM) principles.
- Open for replication and use by Indian River Basin Institutions to strengthen national water security.



Implemented by

