



Image credit: Chiang Bai Time

### About

In 2018, the Cambodian and Thai governments initiated a bilateral cooperation under the Joint Project on Flood and Drought Management in the 9C-9T sub-basin. Both parts of the sub-basin, and hence the two countries, are bound together in identifying management challenges and in seeking solutions. The shared 9C-9T sub-basin area encompasses the Tonle Sap basin upstream in Thailand and the Stung Mongkol Borei basin downstream in Cambodia, flowing down to the Tonle Sap Lake. The overarching objective of this regional cooperation project is to strengthen resilience and mitigate flood and drought within the shared 9C-9T sub-basin.

This 9C-9T Basin Atlas is a web-based platform for sharing knowledge, analysis and data to inform transboundary, national and sub-national basin planning, management and investment in building resilience to flood and drought. [More information on the Joint Project can be found here.](#)



### Atlas Map Viewer

The Map Viewer is an interactive geospatial mapping tool drawing from a wide range of datasets, that allows users to select, overlay and share spatial layers associated with five areas of importance to flood and drought management in the 9C-9T – (i) environment and biodiversity, (ii) demographics, (iii) economics, (iv) climate change, and (v) opportunities for applying nature based solutions (NbS) and hybrid measures.



### Atlas Map Gallery

The Map Gallery includes an extensive collection of high-quality and innovative maps on flood and drought issues and spatial layers of concern to basin management. Map categories include (i) base maps, (ii) natural resources, (iii) land use – land cover, (iv) drought, (v) flood, (vi) climate change, and (vii) Nature based solutions (NbS) demonstration landscapes. Users can view the maps and search by keyword.



### Nature-based Solutions

The Nature-based Solutions (NbS) catalogue presents a range of NbS and hybrid measures with potential to build flood and drought resilience in the 9C-9T sub-basin. Concise good practice summary sheets are provided for over 50 measures applicable to the 9C-9T. Measures are categorised according to their application in headwaters, agriculture, and urban landscapes. Information is displayed in an interactive factsheet that can be downloaded for offline use and reference.



### Document

The Atlas document page provides users with links to a User Manual and project technical reports, all available for download. A list of project events is also included on this page.

## Tools

### Urban surface runoff model



This is a practical tool for modelling urban surface runoff developed on MS Excel, making it available for urban managers and development planners. This version is for training purpose only.

TrainingModule\_RainfallRunoff\_v2.2\_Urban.xlsx

[Download](#)

### Tool for 9C-9T sub-basin drought vulnerability ranking



This is a practical tool for drought vulnerability assessment developed on MS Excel, making it available for basin and infrastructure planners and managers. This version is for training purpose only.

9c9t DroughtVulnerability.xlsx

[Download](#)

**Click here: [9C9T Atlas \(mrcmekong.org\)](http://mrcmekong.org)**