

Water Resource Management Roadmap

Updated as of 10 November 2023

Legend (Text Font):

Completed	New/Ongoing	Target
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Needs for Government Facilities and Laboratories

- Mountain engineering center towards sustainable infrastructure and upland water security program (BOONDOCK)
- Smart water infrastructure and management R&D Center (SWIM)
- Community-based water harvesting technologies program
- Advancement of O&M for water supply facilities

Needs for Human Resource:

- Training on modelling software
- Training on data analytics
- Training on sensor/system development/operation and maintenance

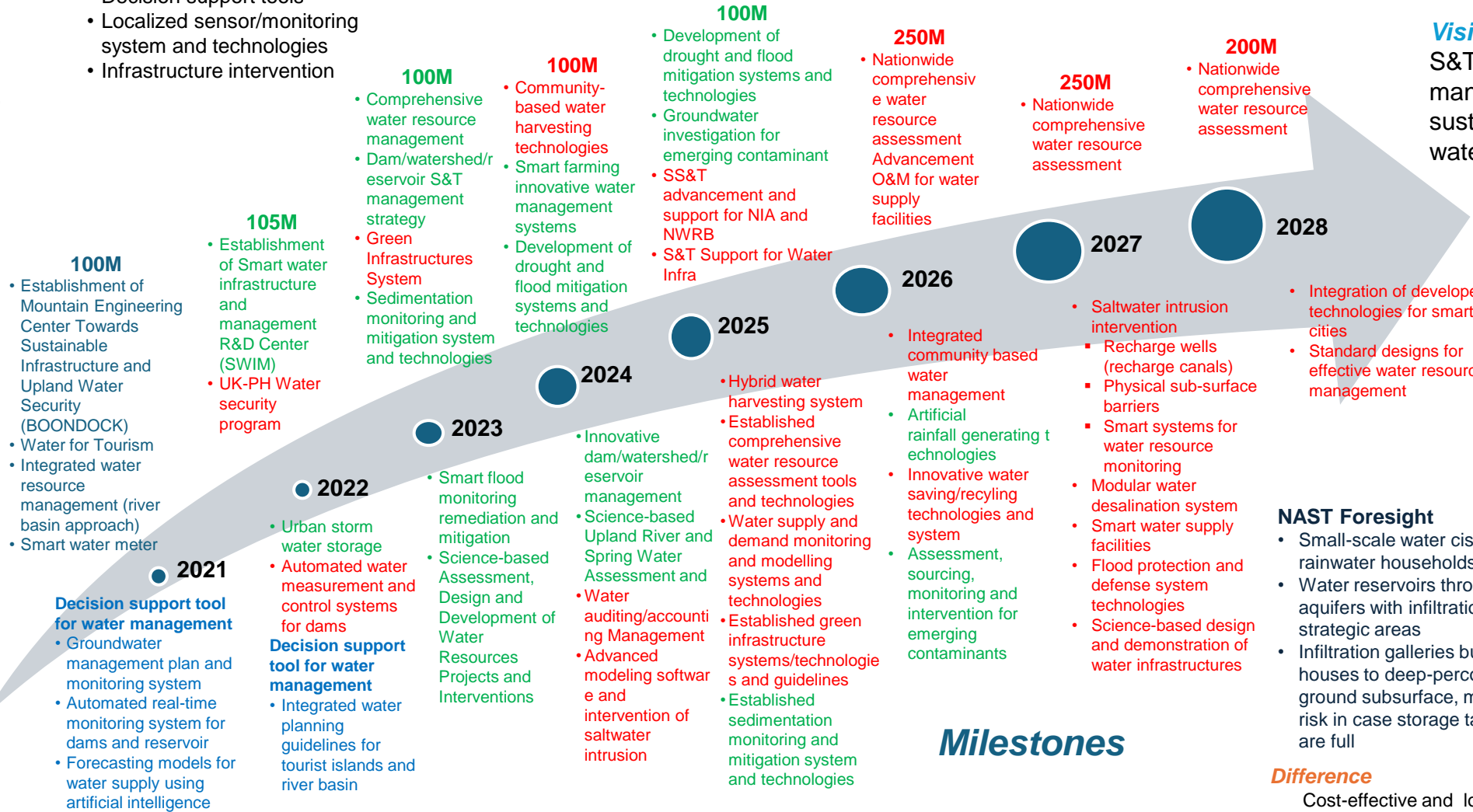
R&D Program/Project Needs

- Water for tourism
- Smart water monitoring and harvesting technologies
- Water security
- Integrated water resource management
- Comprehensive water resource management
- Dam/watershed/reservoir S&T management strategy

Thematic Areas

- Decision support tools
- Localized sensor/monitoring system and technologies
- Infrastructure intervention

Possible Solutions



Vision

S&T based management for sustainable water resources

Milestones

NAST Foresight

Difference

Cost-effective and localized tools, methodologies, and technologies

