

STEPS	SUB-STEPS	LEADS TO	
I Comprehensive mapping of springs and springsheds	1.1: Collect background information of identified area 1.2: Reconnaissance survey 1.3: Map springs and collect data 1.4: Delineate springsheds area	 Delineation of water tower	 Comprehensive map of springs
II Setting up a data monitoring system	2.1: Data collection (why, who, where, what, how) 2.2: Data storage and management 2.3: Data analysis (software development, app development) – Hydrograph/basic software 2.4: Share data with community	 Setting up of rain gauge station	 Hydrometeorological data in Excel
III Understanding social and governance aspects	3.1: Analyze existing institutions and systems of management using: questionnaire survey, focus group discussions, key informant interviews, and communication and dialogue with community and public policy makers	 Management of spring by the local community	 Questionnaire survey tool
IV Hydrogeological mapping	4.1: Obtain geological map of the area 4.2: Observe geology during transect walk: latitude, longitude, elevation, spring location, geological observations and measurements 4.3: Create a base map using Google Earth/Toposheet	 Excel format of hydrogeological data	 Google-based base map
V Creating a conceptual hydrogeological layout of springsheds	5.1: Create a hydrogeological map based on the transect walk 5.2: Draft cross-sectional layout	 Geological map of spring and springsheds	 Cross-sectional layout
VI Classifying spring types, identify mountain aquifer and recharge areas	6.1: Identify spring and aquifer types 6.2: Delineate recharge area	 Example of spring types	 Outline of recharge area
VII Developing springsheds management protocols	7.1: Hydrogeological inventory for springsheds 7.2: Negotiable and non-negotiable land use and land cover change 7.3: Institutional mechanism 7.4: Conservation and intervention, measures of recharge and discharge area 7.5: Develop operational and maintenance guidelines	 Revival activities using voluntary labor	 Recharge structures
VIII Measuring the impact of spring revival	8.1: Impact study 8.2: Continuous monitoring	 Before	 After