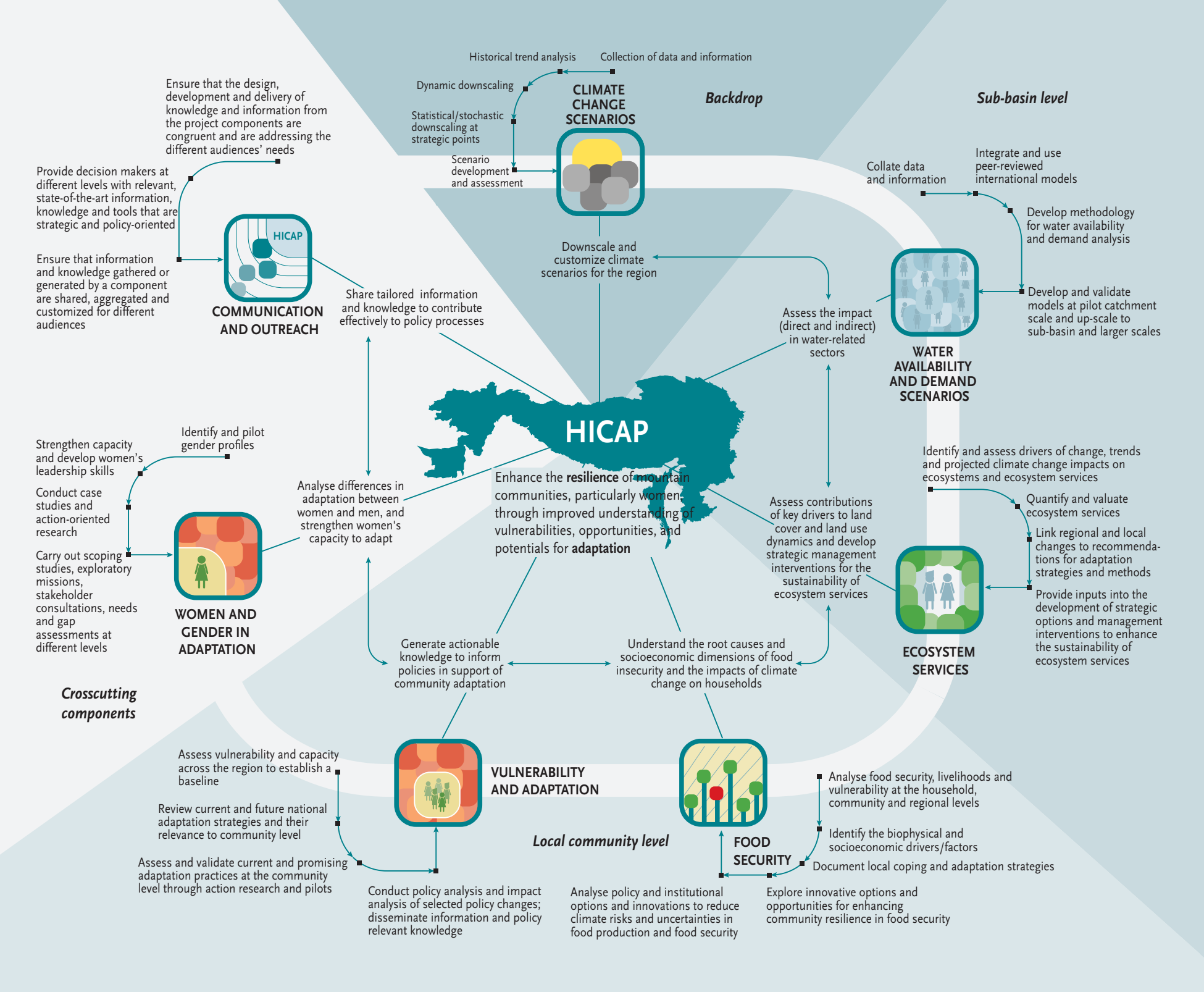

Historical trend analysis
Collection of data and information
Dynamic downscaling
Statistical/stochastic downscaling at strategic points
Scenario development and assessment
CLIMATE CHANGE SCENARIOS
Backdrop
Sub-basin level
Ensure that the design, development and delivery of knowledge and information from the project components are congruent and are addressing the different audiences' needs
Provide decision makers at different levels with relevant, state-of-the-art information, knowledge and tools that are strategic and policy-oriented
Ensure that information and knowledge gathered or generated by a component are shared, aggregated and customized for different audiences
HICAP
COMMUNICATION AND OUTREACH
Share tailored information and knowledge to contribute effectively to policy processes
Downscale and customize climate scenarios for the region
Collate data and information
Integrate and use peer-reviewed international models
Develop methodology for water availability and demand analysis
Develop and validate models at pilot catchment scale and up-scale to sub-basin and larger scales
WATER AVAILABILITY AND DEMAND SCENARIOS
Assess the impact (direct and indirect) in water-related sectors
HICAP
Enhance the resilience of mountain communities, particularly women, through improved understanding of vulnerabilities, opportunities, and potentials for adaptation
Identify and pilot gender profiles
Strengthen capacity and develop women's leadership skills
Conduct case studies and action-oriented research
Carry out scoping studies, exploratory missions, stakeholder consultations, needs and gap assessments at different levels
WOMEN AND GENDER IN ADAPTATION
Analyse differences in adaptation between women and men, and strengthen women's capacity to adapt
Identify and assess drivers of change, trends and projected climate change impacts on ecosystems and ecosystem services
Quantify and valuate ecosystem services
Link regional and local changes to recommendations for adaptation strategies and methods
Provide inputs into the development of strategic options and management interventions to enhance the sustainability of ecosystem services
Assess contributions of key drivers to land cover and land use dynamics and develop strategic management interventions for the sustainability of ecosystem services
ECOSYSTEM SERVICES
Generate actionable knowledge to inform policies in support of community adaptation
Understand the root causes and socioeconomic dimensions of food insecurity and the impacts of climate change on households
Crosscutting components
Assess vulnerability and capacity across the region to establish a baseline
Review current and future national adaptation strategies and their relevance to community level
Assess and validate current and promising adaptation practices at the community level through action research and pilots
VULNERABILITY AND ADAPTATION
Local community level
Analyse food security, livelihoods and vulnerability at the household, community and regional levels
Identify the biophysical and socioeconomic drivers/factors
Document local coping and adaptation strategies
FOOD SECURITY
Conduct policy analysis and impact analysis of selected policy changes; disseminate information and policy relevant knowledge
Analyse policy and institutional options and innovations to reduce climate risks and uncertainties in food production and food security
Explore innovative options and opportunities for enhancing community resilience in food security