# Local perception as a scientific evidence for managing blue carbon ecosystems for climate mitigation and adaptation

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### BACKGROUND

The Coral Triangle region, which includes Philippines and Indonesia, has one of the largest blue carbon ecosystems (BCEs) in the world. Sustainable BCE management in the region can contribute to local mitigation and adaptation practices and global mitigation strategies as well as enhancing BCEs' multi functions including carbon stocks, disaster risk reduction, and local livelihood.

### **OBJECTIVE**

Our main objective is development of a science-based policy framework and citizen science tool as means of locals' participatory monitoring and evaluation of BCEs. By doing so, we will contribute to blue carbon strategies in different spatial scales.

## FRAMEWORK AND METHODOLOGY

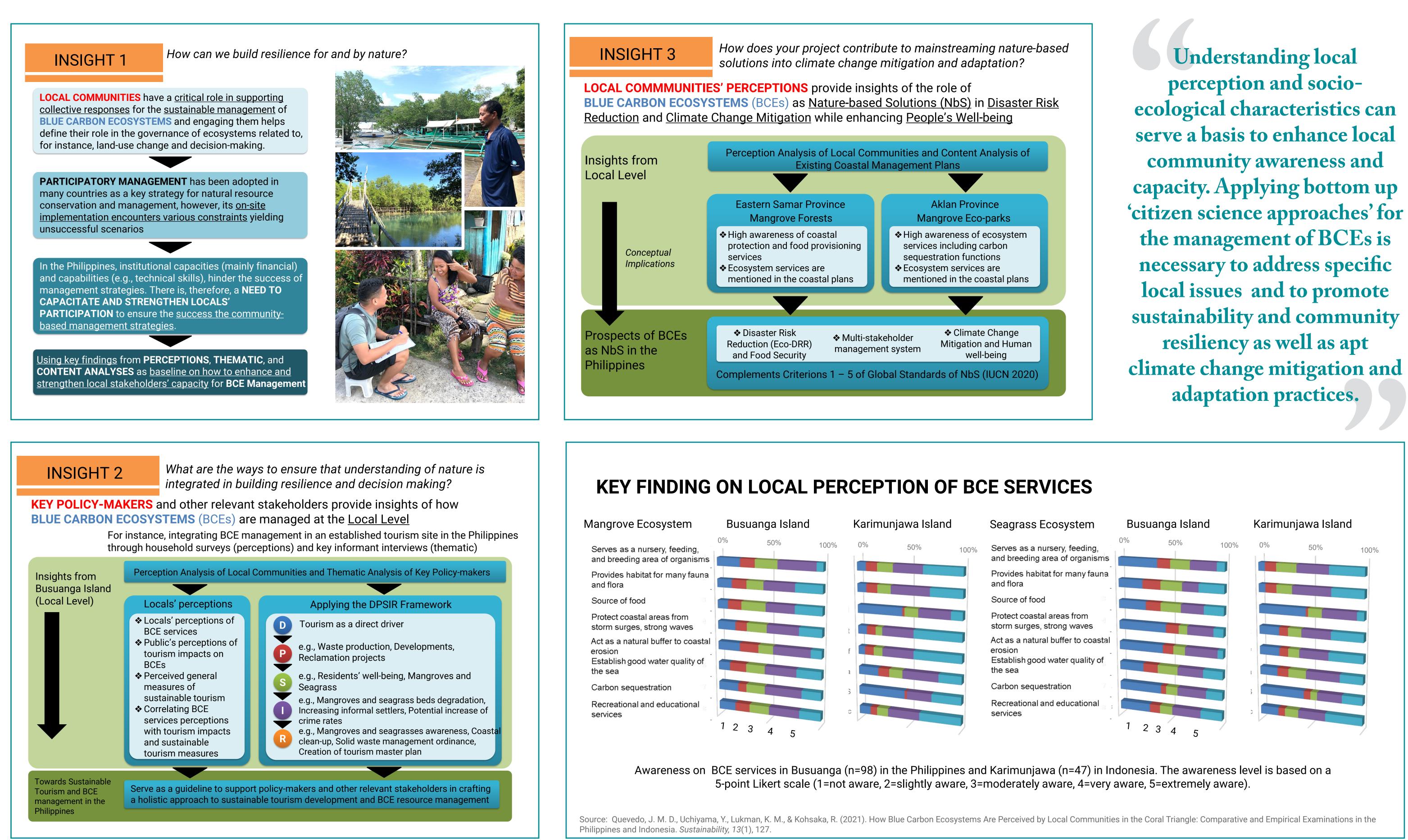
- 1. Identification of key players (stakeholders, policymakers) in BCEs management
- 2. Participatory stakeholder workshops on BCE management and introduction of citizen science concept
- **3.** Monitoring workshop using cellphone applications and visualization
- **4.** Creation of localized guidelines for community's capacity development on BCE
- **5.** Determination of site-specific factors (e.g. local customs and community mechanisms in addressing local environmental issues) influencing BCE management

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Theme 2: Resilience for and by nature: Building knowledge and understanding to weave the protection and restoration of nature into decision making on mitigation and adaptation

