

Evaluating Land Use Intensity and Their Implications for Ecosystem Services in Fung Yuen

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CONTEXTUAL TERMINOLOGIES OF FUNG YUEN

- Spatial Zones**

 - Site of Special Scientific Interest (SSSI)
 - Comprehensive Development Area (CDA)
- Management Contexts**

 - Management Agreement (MA)
 - Private Public Partnership (PPP)

MAPPING CONTEXT

- Rezoning of CDA potentially reduces the area of original CDA
- Rezoning region accounts for 7.5% (13920m²) of total area of 183700m² which seems repetitive of government to expand development

RESEARCH BACKGROUND

- Rising concerns over policy inaction attributing to retreating ecosystem services output in SSSI
- Complementation of ESG risks is increasingly crucial for stakeholder management
- Queries on balance between development and conservation with land use intensity dynamics in Fung Yuen SSSI

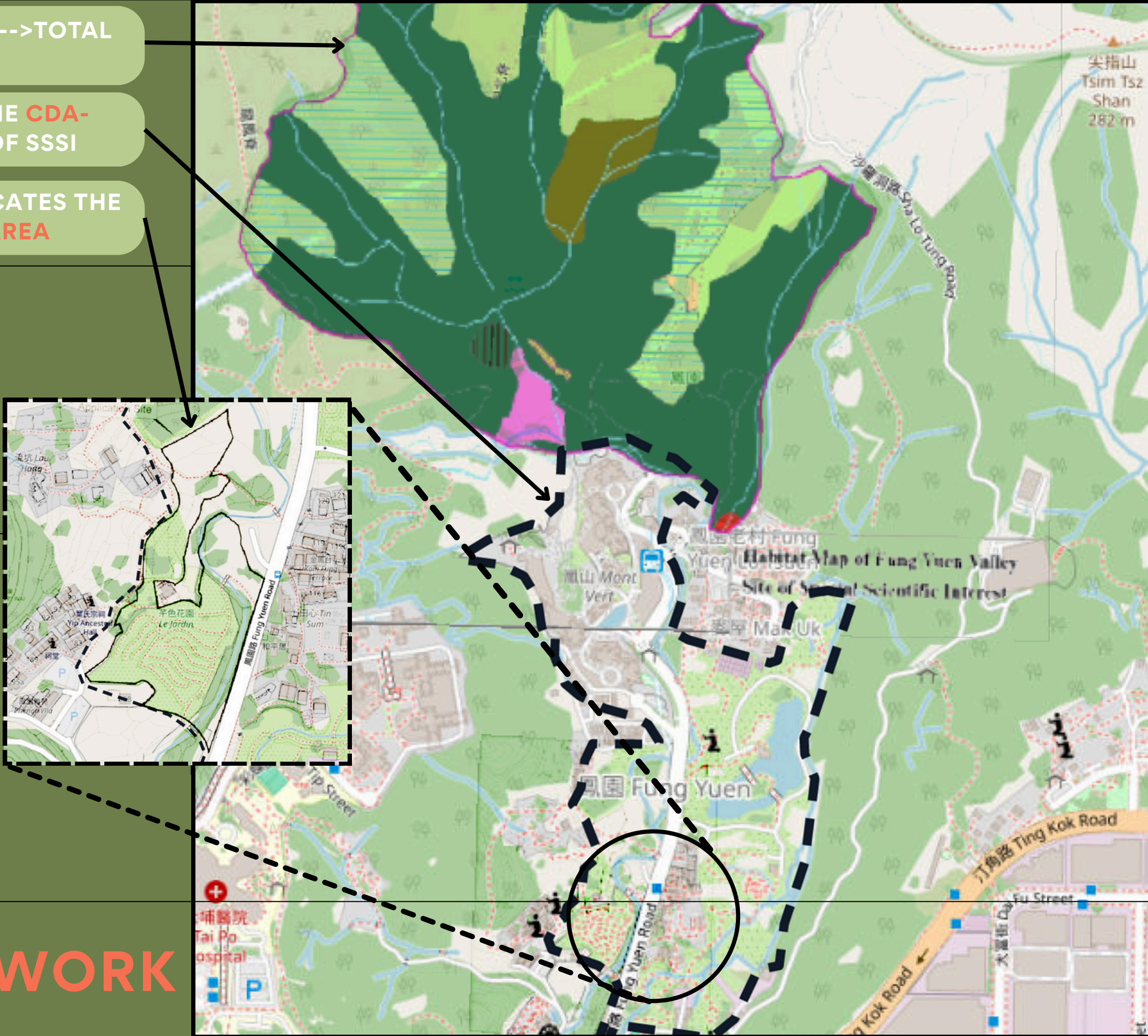
- BOUNDED WITH PURPLE LINE-->TOTAL AREA OF SSSI
- DOTTED LINE INDICATES THE CDA-ACTING AS BUFFER ZONE OF SSSI
- SOLID LINE WITHIN CDA INDICATES THE POTENTIAL REZONING AREA

RESEARCH OBJECTIVE

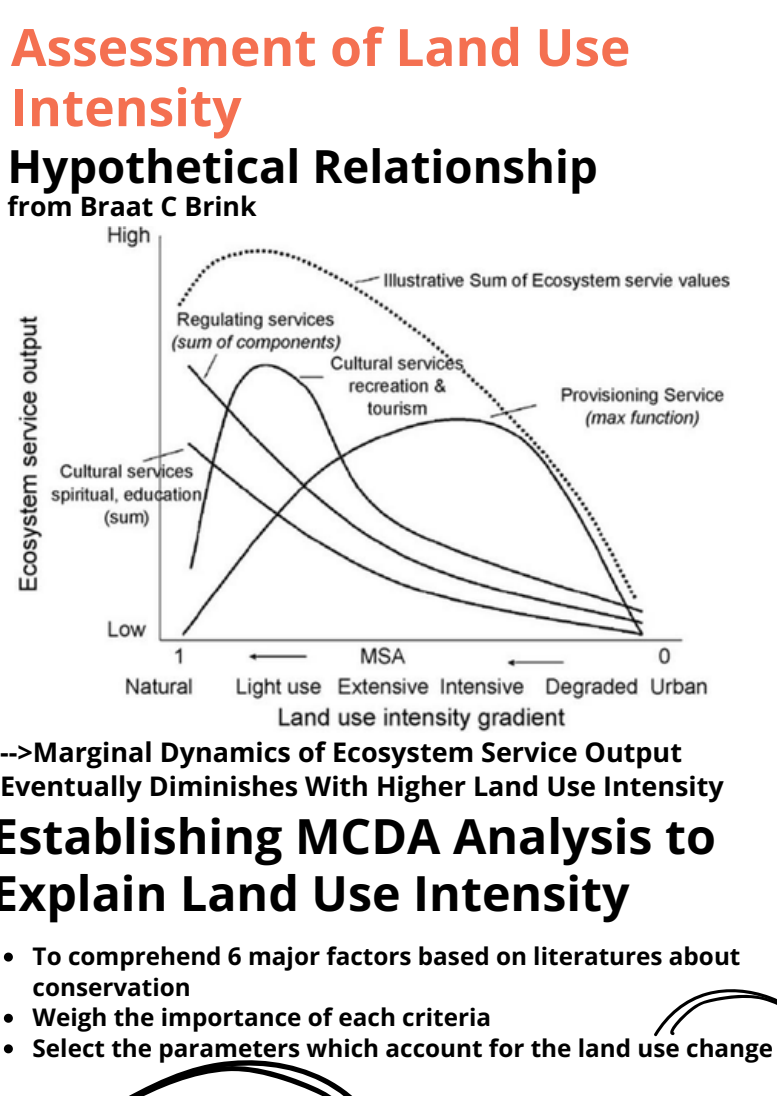
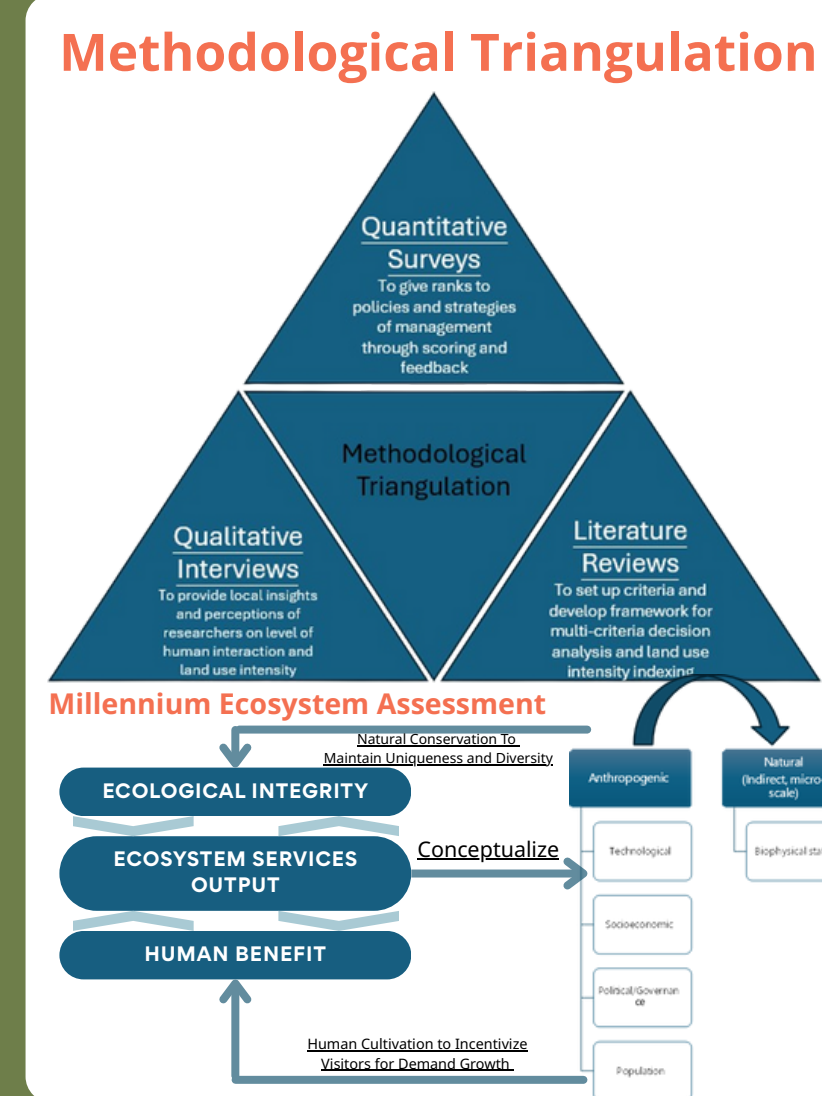
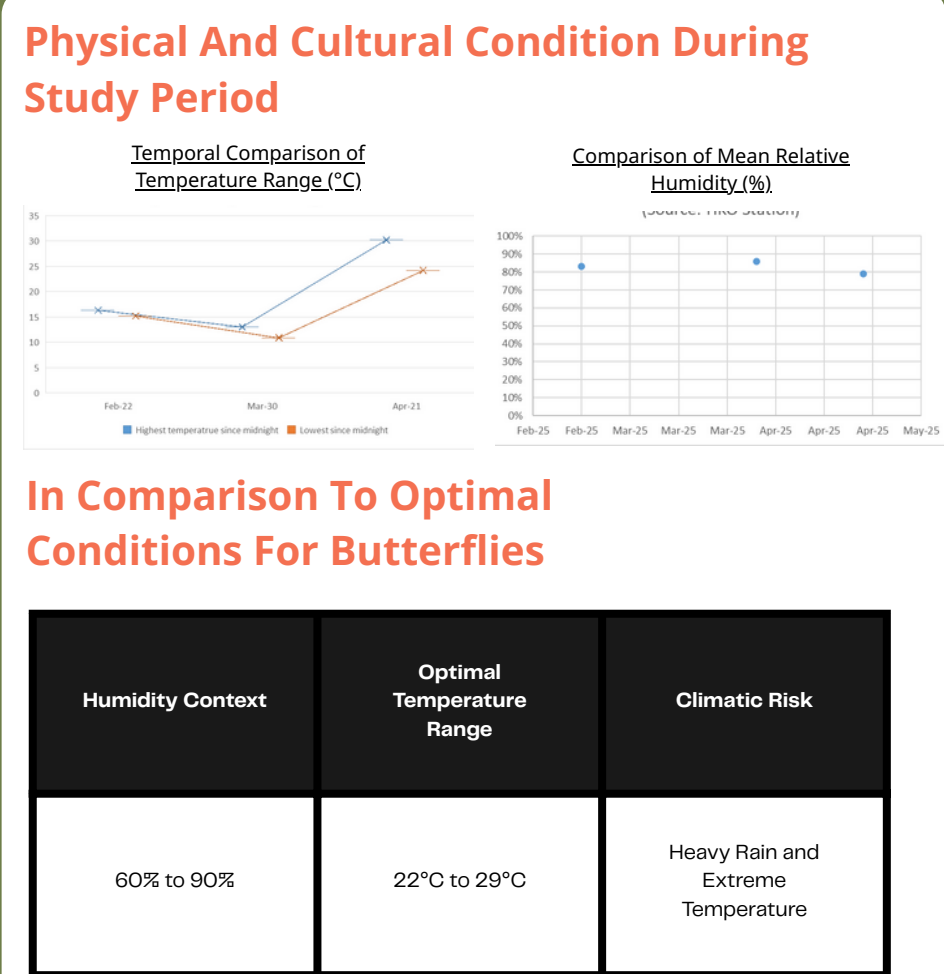
Facilitate the stakeholders of Fung Yuen SSSI under management agreement (MA) to make decision based on assessment outcome, thus tackling with ongoing or potentials risks and opportunities on ecosystem services

RESEARCH SIGNIFICANCE

- Reinforcing **socio-economic relevance** in regional level
- Developing **decision making framework** for conservation management on land with uniqueness and rareness
- Providing **replicable assessment** on conservation area in relation to change of land use intensity



CONCEPTUAL FRAMEWORK



KEY FINDINGS

