



都市気候変動適応への 統合的アプローチ

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1 August 2018

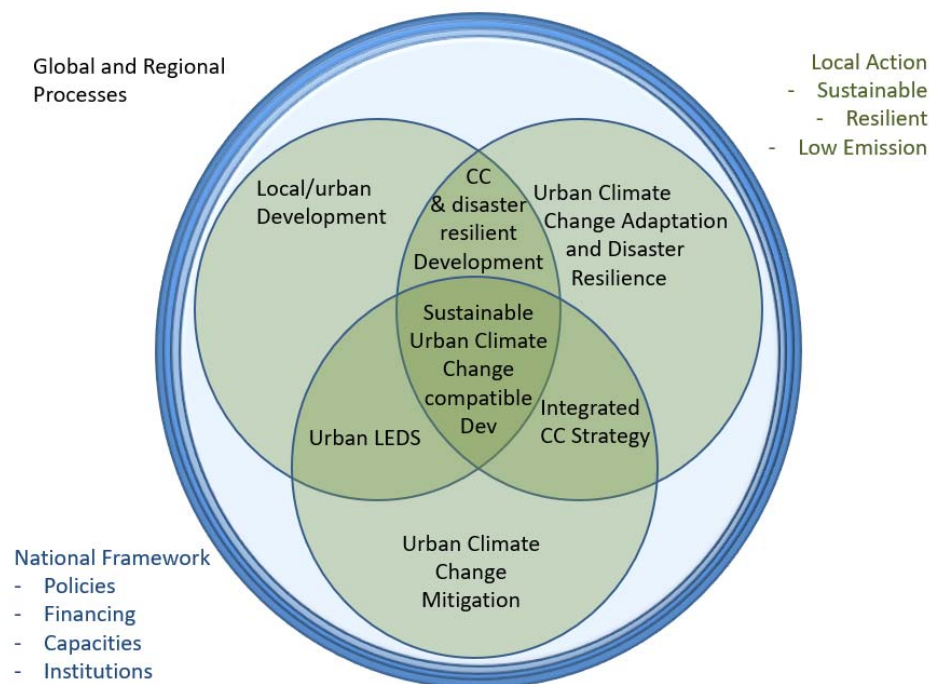
Spatial Planning Platform Meeting

Hyakuninkan, Seinan Gakuin University

統合の多くの側面

- ・ 国際的な枠組み
- ・ 多次元のガバナンス
- ・ 多部門的アプローチ
- ・ 気候変動と災害リスク軽減
- ・ 適応、ミティゲーション、持続可能な開発
- ・ 金融
- ・ 特定のグループのニーズ
- ・ そして勿論空間的側面

国連ハビタットの気候行動支援の枠組み



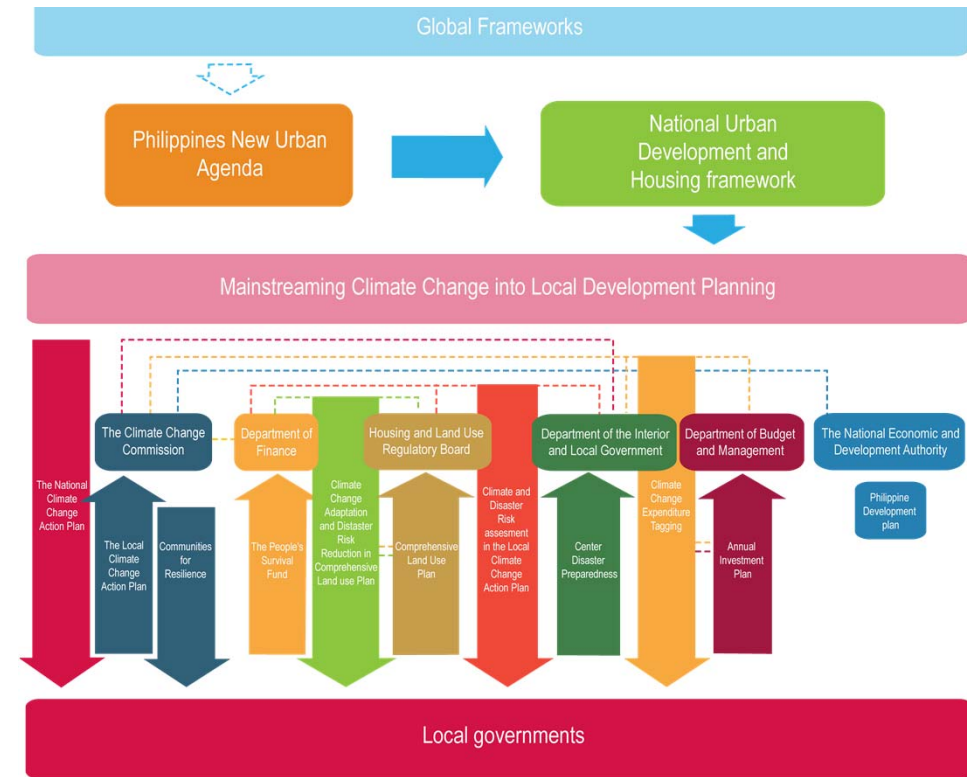
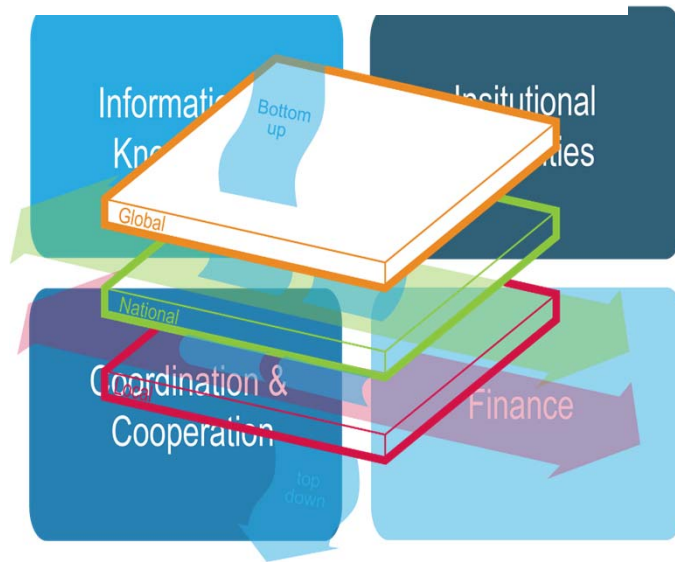
都市気候変動適応への統合的アプローチ

Date	March 2015	September 2015	December 2015	October 2016
Title	Sendai Framework	Sustainable Development Goals	Paris agreement	New Urban Agenda
Logo				
Aim	Increase countries' resilience to disasters / disaster risk reduction	Comprehensive development agenda	To keep global temperatures from rising above 2 degrees Celsius	Sustainable urban development
Climate Change and Urban components	<ul style="list-style-type: none"> Increasing number of countries with local and national disaster risk reduction strategies Reduce global disaster mortality and effected people Reduce disaster economic loss and disaster damage to critical infrastructure Increase the availability to and access of multi-hazard early warning systems, disaster risk information and assessments 	<ul style="list-style-type: none"> Increase the number of settlements adapting and implementing strategies on climate change and disaster resilience Reduce number of casualties and people effected by economic losses Access for all to adequate safe and affordable housing / basic services + upgrade slums and transport systems Access to safe, inclusive green public spaces Reduce environmental impact of cities (air quality, waste etc.) 	<ul style="list-style-type: none"> Increasing the ability to adapt to the adverse impacts of climate change Foster climate resilience and low greenhouse gas emissions development 30 Nationally Determined Contributions with a strong urban content. (Latin Am.: 4, Africa: 11, Middle East: 2, Asia Pac: 13) 65 Nationally Determined Contributions with a moderate urban content. (Latin Am.: 16, Europe: 2, Africa: 27, Middle East: 11, Asia Pac.: 9) 	<ul style="list-style-type: none"> Provide mechanism to implement local agendas Addressing climate change by reducing green house gas emissions Strengthening urban resilience to reduce the impact of disaster Improve connectivity and support green initiatives Promote safe, accessible and green public spaces Supporting cleaner cities Provide basic services Means of implementation: governance, capacities, finance, planning, partnerships

仙台枠組み、持続可能な開発の目標、パリ合意、ニューアーバンアジェンダ

フィリピンの気候変動の主な流れ

垂直及び水平統合



、地方での行動における垂直統合



CLIMATE CHANGE AND NATIONAL URBAN POLICIES IN ASIA AND THE PACIFIC

A REGIONAL GUIDE FOR INTEGRATING CLIMATE CHANGE CONCERNS INTO URBAN-RELATED POLICY, LEGISLATIVE, FINANCIAL AND INSTITUTIONAL FRAMEWORKS

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UN ESCAP
United Nations Economic and Social Commission for Asia and the Pacific

I Substantive process	II Resource & Capacity Assessment & Development	III Urban & Climate Related Policy Alignment	IV Institutions & Stakeholders
Phase A: Readiness & Diagnostic <ul style="list-style-type: none">Climate change does not exist in isolation. Climate change is linked to other development concerns, such as a process of mainstreaming climate change into other policy.Climate change is not a single, stand-alone issue. It is a complex, multi-dimensional challenge that requires a holistic approach.Climate change is not a new issue. It is a long-term, systemic challenge that requires a long-term, systemic response.Climate change is not a technical issue. It is a political, economic, and social issue that requires a political, economic, and social response.Climate change is not a local issue. It is a global issue that requires a global response.	<ul style="list-style-type: none">Climate change is not a new issue. It is a long-term, systemic challenge that requires a long-term, systemic response.Climate change is not a technical issue. It is a political, economic, and social issue that requires a political, economic, and social response.Climate change is not a local issue. It is a global issue that requires a global response.	<ul style="list-style-type: none">Climate change is not a new issue. It is a long-term, systemic challenge that requires a long-term, systemic response.Climate change is not a technical issue. It is a political, economic, and social issue that requires a political, economic, and social response.Climate change is not a local issue. It is a global issue that requires a global response.	<ul style="list-style-type: none">Climate change is not a new issue. It is a long-term, systemic challenge that requires a long-term, systemic response.Climate change is not a technical issue. It is a political, economic, and social issue that requires a political, economic, and social response.Climate change is not a local issue. It is a global issue that requires a global response.
Phase B: Formulation <ul style="list-style-type: none">Climate change is not a new issue. It is a long-term, systemic challenge that requires a long-term, systemic response.Climate change is not a technical issue. It is a political, economic, and social issue that requires a political, economic, and social response.Climate change is not a local issue. It is a global issue that requires a global response.	<ul style="list-style-type: none">Climate change is not a new issue. It is a long-term, systemic challenge that requires a long-term, systemic response.Climate change is not a technical issue. It is a political, economic, and social issue that requires a political, economic, and social response.Climate change is not a local issue. It is a global issue that requires a global response.	<ul style="list-style-type: none">Climate change is not a new issue. It is a long-term, systemic challenge that requires a long-term, systemic response.Climate change is not a technical issue. It is a political, economic, and social issue that requires a political, economic, and social response.Climate change is not a local issue. It is a global issue that requires a global response.	<ul style="list-style-type: none">Climate change is not a new issue. It is a long-term, systemic challenge that requires a long-term, systemic response.Climate change is not a technical issue. It is a political, economic, and social issue that requires a political, economic, and social response.Climate change is not a local issue. It is a global issue that requires a global response.
Phase C: Implementation <ul style="list-style-type: none">Climate change is not a new issue. It is a long-term, systemic challenge that requires a long-term, systemic response.Climate change is not a technical issue. It is a political, economic, and social issue that requires a political, economic, and social response.Climate change is not a local issue. It is a global issue that requires a global response.	<ul style="list-style-type: none">Climate change is not a new issue. It is a long-term, systemic challenge that requires a long-term, systemic response.Climate change is not a technical issue. It is a political, economic, and social issue that requires a political, economic, and social response.Climate change is not a local issue. It is a global issue that requires a global response.	<ul style="list-style-type: none">Climate change is not a new issue. It is a long-term, systemic challenge that requires a long-term, systemic response.Climate change is not a technical issue. It is a political, economic, and social issue that requires a political, economic, and social response.Climate change is not a local issue. It is a global issue that requires a global response.	<ul style="list-style-type: none">Climate change is not a new issue. It is a long-term, systemic challenge that requires a long-term, systemic response.Climate change is not a technical issue. It is a political, economic, and social issue that requires a political, economic, and social response.Climate change is not a local issue. It is a global issue that requires a global response.
Phase D: Evaluation <ul style="list-style-type: none">Climate change is not a new issue. It is a long-term, systemic challenge that requires a long-term, systemic response.Climate change is not a technical issue. It is a political, economic, and social issue that requires a political, economic, and social response.Climate change is not a local issue. It is a global issue that requires a global response.	<ul style="list-style-type: none">Climate change is not a new issue. It is a long-term, systemic challenge that requires a long-term, systemic response.Climate change is not a technical issue. It is a political, economic, and social issue that requires a political, economic, and social response.Climate change is not a local issue. It is a global issue that requires a global response.	<ul style="list-style-type: none">Climate change is not a new issue. It is a long-term, systemic challenge that requires a long-term, systemic response.Climate change is not a technical issue. It is a political, economic, and social issue that requires a political, economic, and social response.Climate change is not a local issue. It is a global issue that requires a global response.	<ul style="list-style-type: none">Climate change is not a new issue. It is a long-term, systemic challenge that requires a long-term, systemic response.Climate change is not a technical issue. It is a political, economic, and social issue that requires a political, economic, and social response.Climate change is not a local issue. It is a global issue that requires a global response.



「セクター別インテグレーターとしての国家都市政策

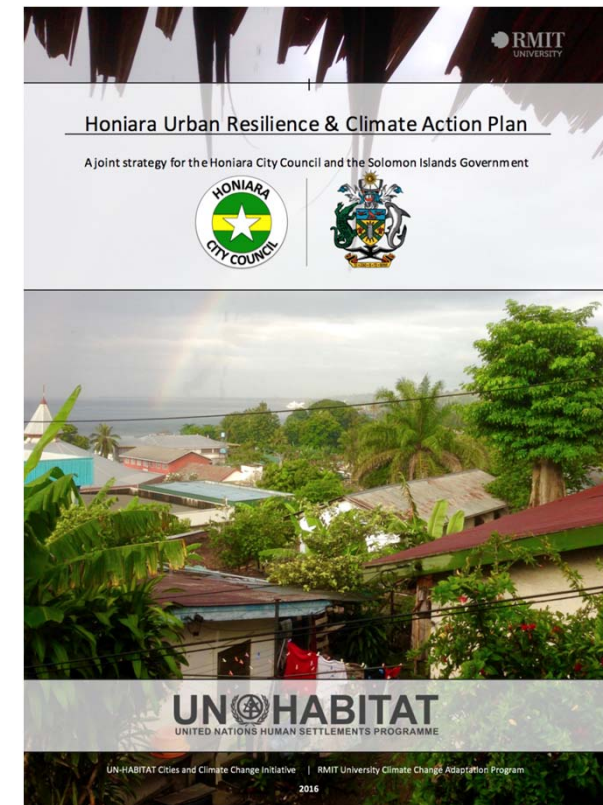
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都市全体の10のエントリーポイント

- ・ 都市計画と土地
- ・ 住宅
- ・ インフラストラクチャー
- ・ 水、衛生、廃棄物
- ・ エコシステム、海岸保全
- ・ 人間の健康と幸福
- ・ コミュニケーション、気づき
- ・ 生計
- ・ 災害対応
- ・ ガバナンスとパートナーシップ

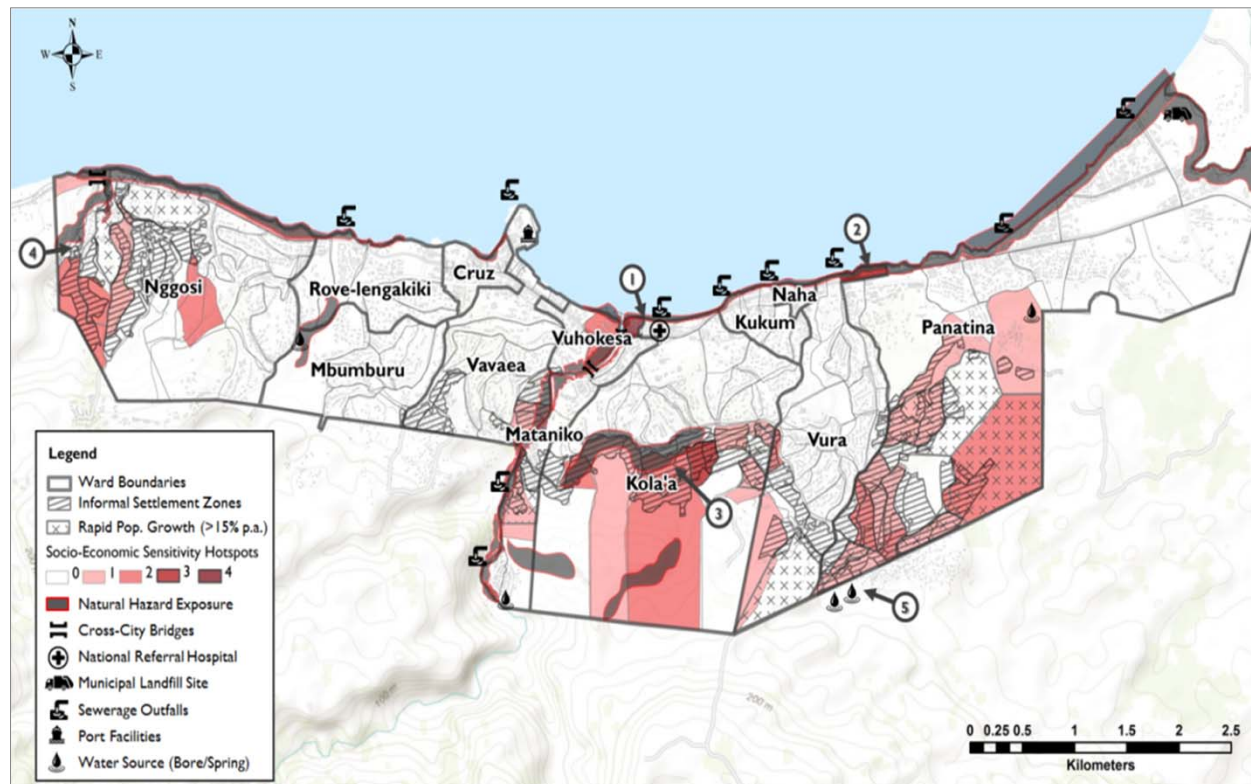
3つのレベル

- ・ 市
- ・ 区
- ・ コミュニティ



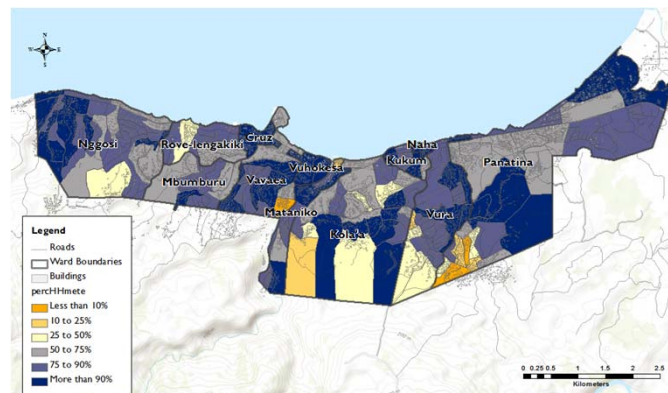
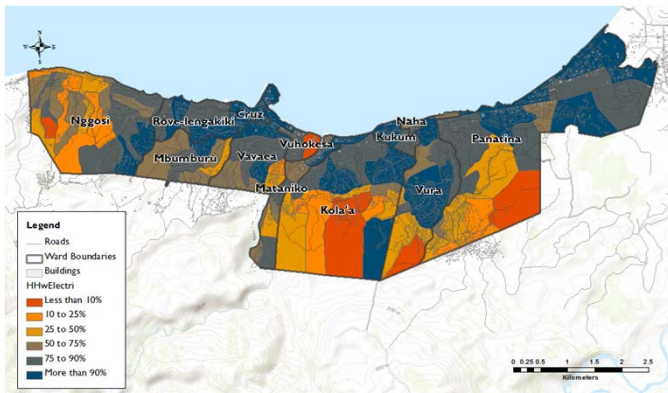
市全体の行動計画

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（市全体の行動計画）

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(市全体の行動計画

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Tenure

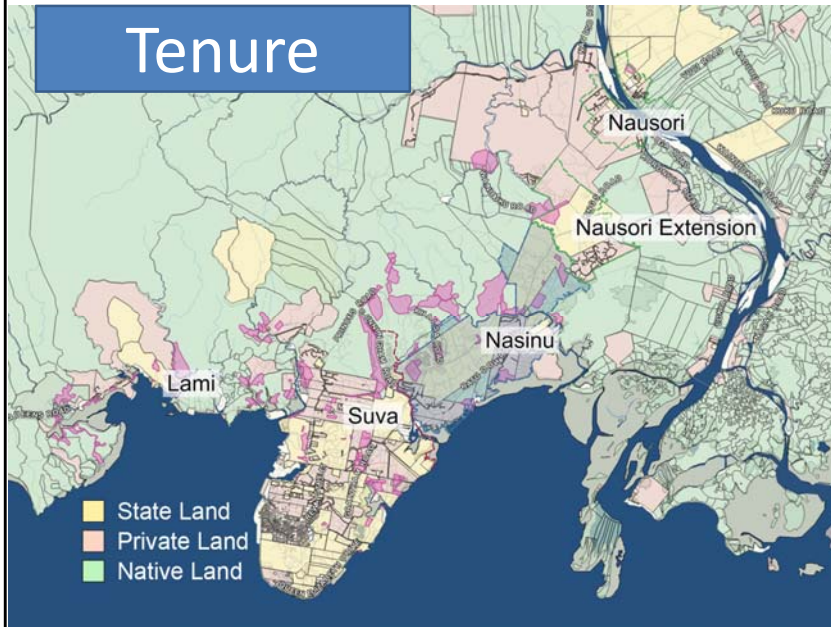


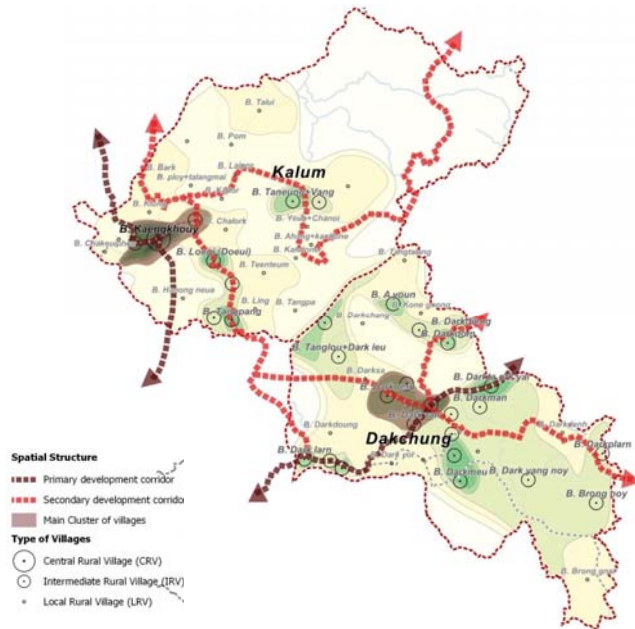
Fig. 1. Fig. 2. Fig. 3. Fig. 4. Fig. 5. Fig. 6. Fig. 7. Fig. 8.



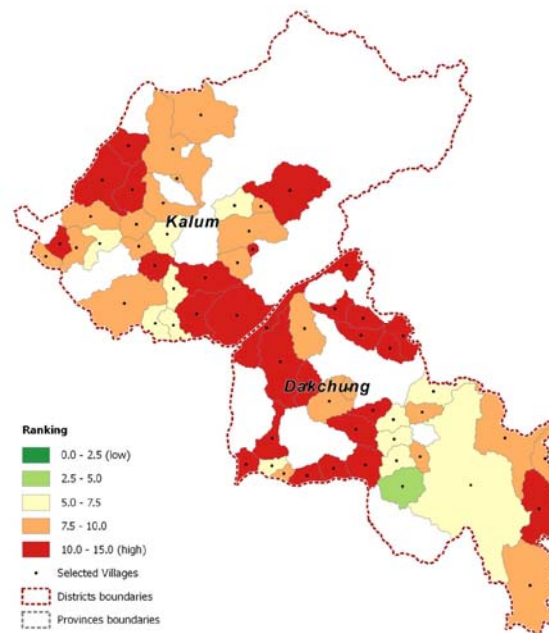
「コミュニティの行動計画は地域計画スキームを知らせます」

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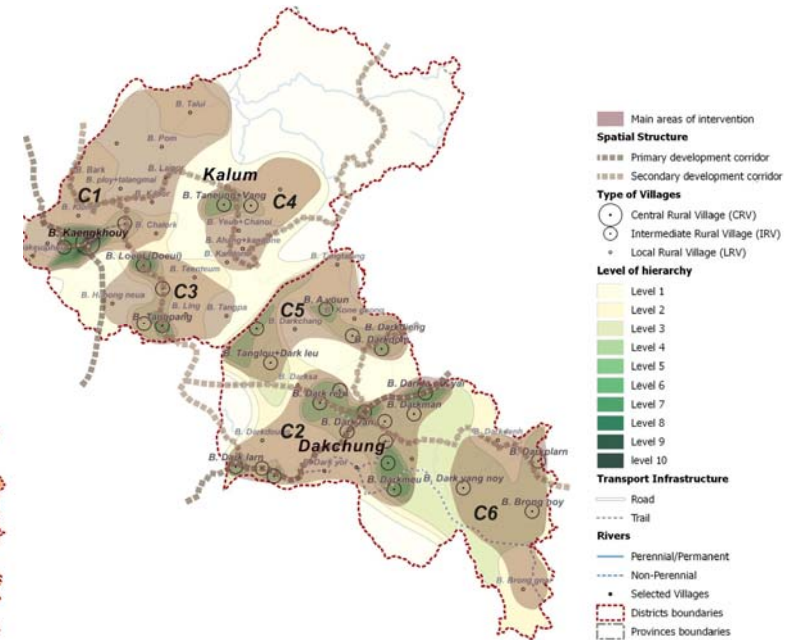
TERRITORIAL LINKAGES AND SPATIAL STRUCTURE



Vulnerability Index (village level)

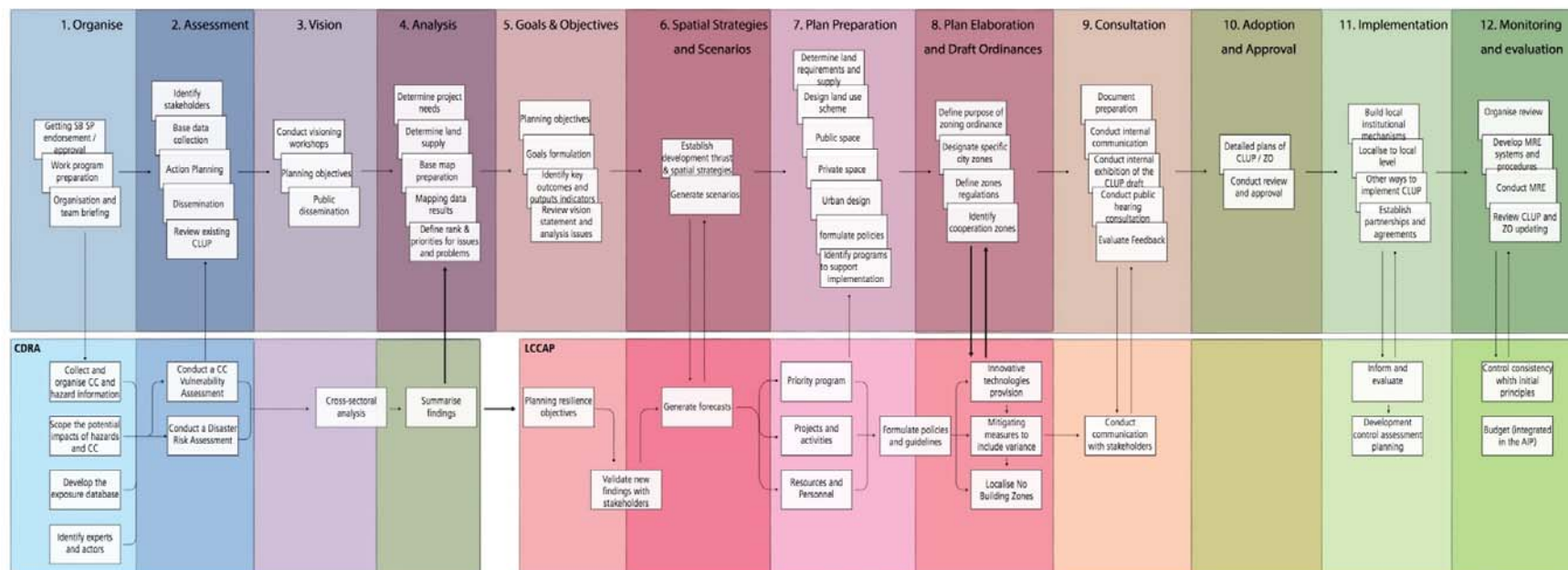


Clustered Interventions



地区レベルの気候変動計画アプローチー ラオスの村落クラスター

フィリピンの総合的な土地利用計画の策定



気候変動と災害リスクマネジメント

地方の気候変動に対する行動計画

空間計画への気候変動の統合

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