

Livable City on the Context of Low-carbon Society: Blueprint of Change Model Local Government

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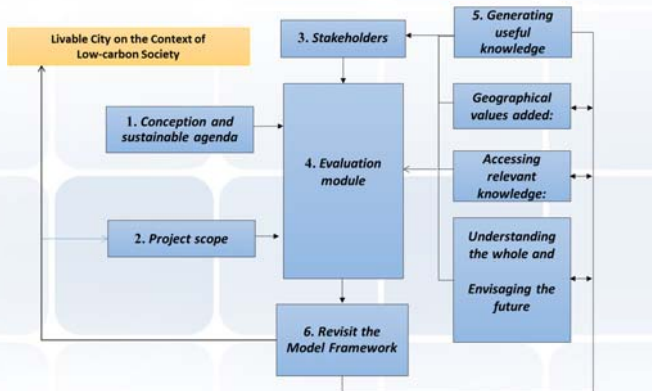
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Le Méridien Chiang Rai Resort, Chiang Rai, Thailand

The Main Concept

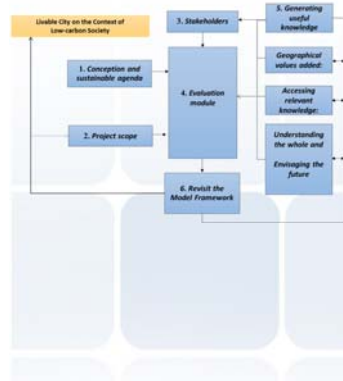
Philosophical, theoretical and Applicable Framework
An Integration of Vertical and Horizontal Sustainable Contexts



Blueprint of Change Model



Blueprint of Change Model



Module 1: Conception and sustainable agenda

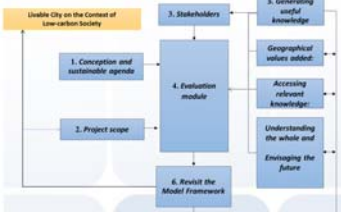
Conception and sustainable agenda characterize a broad signal that city want to respond to evolving their new economic and social reality towards LCS. The module setup local government goals and targets that contribute to National Sustainable Development Plan, associated with the Asian Environmentally Sustainable Cities Programme (ASEAN ESC Model Cities), and International Sustainable Pledging Schemes, e.g. COP 21.

Module 2: Project scope

Project scope concerns on the linkage of municipality's natural resources and environments background and managerial approaches. The process synthesizes the main dimensions of local government sustainable policy and management that linkage and co-existence with their managerial contexts (from module 1) e.g. self-sufficiency economy, choice of local embedded cultural values and practices.

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Module 3: Stakeholders

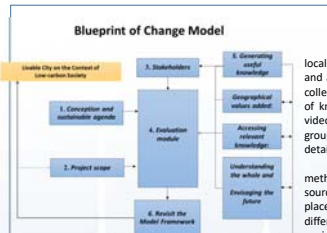
Stakeholders, this module embrace all local government networks and support institutions (e.g. local communities and relevance networks, central government, social organizations, NGOs, formal and informal academics institutions, youth and corporate sectors) that involve in LCS strategy discourses. They are taking in account as actors and key players' position, roles, policies and strategies interests. Together, the process of visualizing common and specific goals needed to initiate and implement low-carbon objective(s) on the individual-level, community, municipality level and society as a whole.

Module 4: Evaluation module

Evaluation module contributes to the assessment processes of the different evidence of sustainable criteria of communities. Key highlight is focus on the priority, issues and values that govern decision-making process and to provide the assessment of two sub-modules, as follows:

- The method frames and setup standard or benchmarking key indicators through the links between different aspects of local community and their related key agencies sustainable aspects (linked with module 2), and
- The process helps local government to identify the level of achievement of a LCS, including each individual in their communities in which in which link to local sustainable contexts and the International Sustainable Development Goals (SDGs).

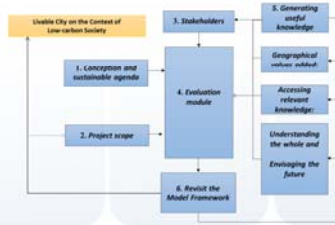
Module 5: Generating useful knowledge:



Methods and tools concern on the skill and capability requires of local government and key related agencies on the achievement of the projects and activities concerned. In doing this, methods and tools are employing for collecting and managing data and information describing the current and gap of knowledge and future situations and key activities, e.g. field trip survey, video and power point presentation, participatory workshop, deep dialogue, group discussion and key informant interview, as following sub-modules details:

- Geographical values added: Through the field trip survey, the method identifies geographically significant questions (primary and secondary sources) to frame an inquiry. The process describes local's characteristics of place and how natural resources and environments are perceived and values differently. It explains interconnections between communities, places and environments and describes how they plan to change in future,
- Generating useful knowledge: The ongoing community dialogue is designed to produce useful knowledge to help all those involved in the process. This module provides those local government and key agencies who participants in the process with immediate access to new ideas and perspectives which help them re-evaluate their current strategies formulation and management aspects,
- Accessing relevant knowledge: The process explore the different mechanistic and ecological thinking, and how to be effective in sharing complex ideas and changing the thinking of large groups of people. Concepts, theoretical and applicable are debated (The Earth Environmental World Clock ideology, space ship and carrying capacity, carbon footprint, environmentally behavior etc.) emphasizing on problems formulation ensures a focus on the collection and development of relevant knowledge of LCS and livable city. Together, this leads to ensure the provision of relevant monitoring tools by which the success of measures to achieve the stated goals can be assessed,
- Understanding the whole: The module focuses on bringing local and scientific knowledge systems together. The process designs for understanding a city as a whole and finding pathways for more sustainable futures means, that is moving towards LCS. In this regard taking system thinking concept, with casual loop diagramme technique, the process consider the integration of hard and soft elements of city systems and how they exist and interact. The method looks the surface actions and patterns of events to discover structure causes and the mental model (worldview, assumptions etc.) that direct human, communities and city sustainable behavior. Significantly, the concept and method applied here

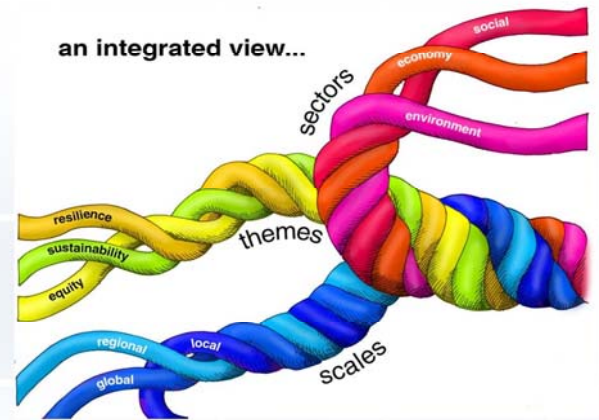
Blueprint of Change Model



Module 6: Revisit the Model Framework:

The module provides the ongoing community dialogue to revisit and produce useful knowledge all those methodological and methods applied involved in the study process. The aims is to provide local government and key agencies who participants in the process on how to access to new ideas and alternatives perspectives which help them re-evaluate their sustainable policy and action plans.

an integrated view...



Thank you



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The Future We Want

A water secure world is achievable



A story of FutureCity: Thai Contexts

Cities emerge from the present and future:
 Human-Social – Environment System Interaction

- Liveability, wellness, livelihoods and wealth
- Culture and diversity
- Social inclusion/exclusion
- Economics Ideology and Social Values
- Peace and crime
- Demographics, e.g., ageing population
- Identity
- Systems of governance (power and legal)

Thailand future challenges and opportunities

Drivers and Factors

- Demography - ageing population
- Economic competitiveness
- Governance
- Climate change
 - Low and post carbon society
- Technology
- Sustainability – energy, waste
- Resilience / Ecological Capitals and Human livelihoods
- Local and international Cooperation
- Law and regulation (local and Inter)

Strategy Questions

- What is a successful city?
- How do cities grow and develop?
- Can we make cities more sustainable?
- What are the options for city governance?
- How will city ambitions relate to national frameworks?

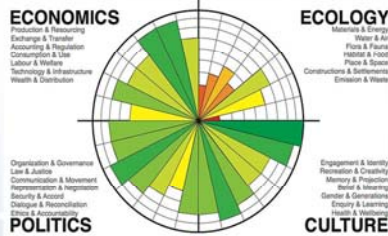
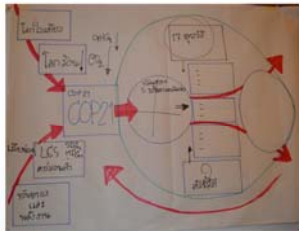
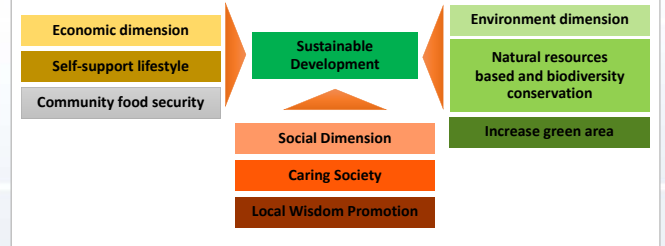


Urban biodiversity interpreted in policies/practices related to public green spaces and parks?



Where we are in SDGs?

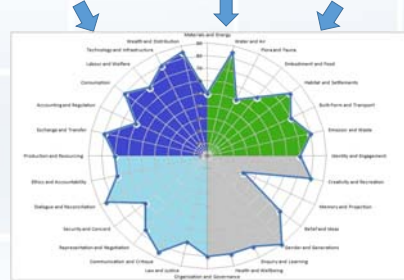
OUTCOMES



Sustainable Society Index	
Basic Needs	1. Sufficient Food 2. Sufficient to Drink 3. Safe Sanitation
Health	4. Education 5. Healthy Life 6. Gender Equality
Personal & Social Development	7. Income Distribution 8. Population Growth 9. Good Governance
Natural Resources	10. Biodiversity 11. Renewable Water Resources 12. Consumption
Climate & Energy	13. Energy Use 14. Energy Savings 15. Greenhouse Gases 16. Renewable Energy
Transition	17. Organic Farming 18. Carbon Savings
Economy	19. Gross Domestic Product 20. Employment 21. Public Debt



Background of the SDGs



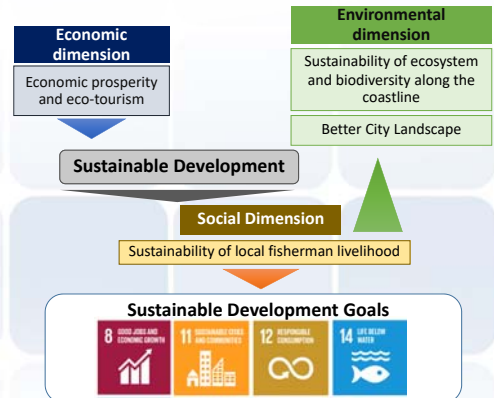
Innovation and game-changing ESC practices/policies Local and Regional

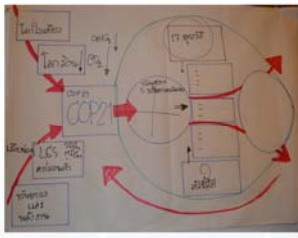
Conservation aquatic resources by releasing fish into natural waters and Public water constantly.	
build Check dams for moisturize, biodiversity And reduce flash flood.	
Conservation aquatic resources by releasing fish into natural waters and Public water constantly.	
Waterway dredging and mining vessels for enhance water into agricultural areas.	
Development Tourism area of Por Mon Dang Shrine became The Learning Center of history	
Waste management, recycling	
Organic waste management	
General Waste Management	
Hazardous waste management	
KRU KASET Learning Center (organic waste from pig to manure, rice organic, organic farming, Vinegar from wood burning)	
Sufficient economy (using chaff biomass, using original herbs, farming bee.	
Sufficient economy (waste management in household)	
basketwork group of elder	
school of elder	



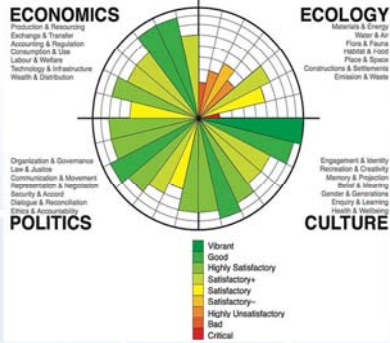
Where we are in SDGs?

Outcomes





Sustainable Society Index	Basic Needs	1. Sufficient Food 2. Sufficient to Drink 3. Safe Sanitation
	Health	4. Education 5. Healthy Life 6. Gender Equality
	Personal & Social Development	7. Income Distribution 8. Population Growth 9. Good Governance
	Natural Resources	10. Biodiversity 11. Renewable Water Resources 12. Contamination
Climate & Energy	13. Energy Use 14. Energy Savings 15. Greenhouse Gases 16. Renewable Energy	
	Transition	17. Organic Farming 18. Garbage Savings
Economic Monitoring	Economy	19. Gross Domestic Product 20. Employment 21. Public Debt



Background and Application of the SDGs



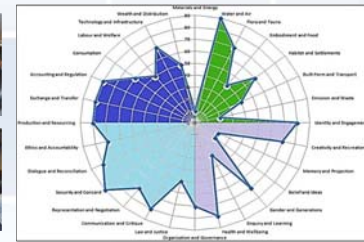
Social aspect of sustainable development (equity and equality)



SDGs' unfinished tasks



Challenges raised by the limits of the Earth System



Innovation and game-changing ESC practices/policies Local and Regional

Conservative Tours learning center	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
Cultural and Park learning center	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
Wetland conservation	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
Green Areas	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
Prepare Local course about resource and environmental management	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
Promoting Eco Friendly Lifestyle with environmental	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
Ecotourism	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
Artisanal fishery	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
Pollution and Waste management efficiency	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24

