

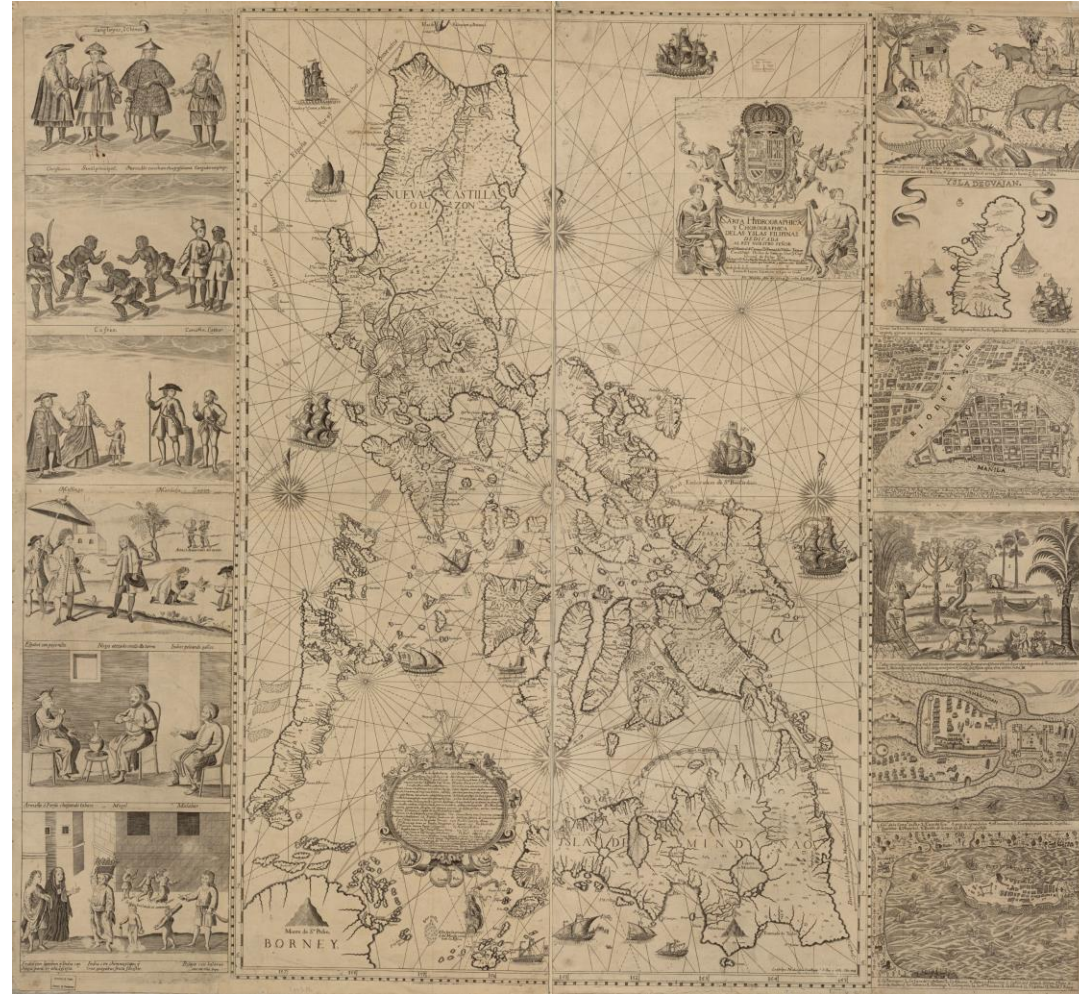
“We forget it was a brutal anti-imperialist war because we see it through the eyes, in some ways, of the colonizer, who naturally wishes this forgetting. Like the colonizer, we judge ourselves by the effects of colonization, instead of by the actual violence of its presence. In this way, we erase the colonizer’s actions — this erasure of course being very helpful for him. We retain the imperialist’s structuring imagination. So we judge ourselves by this weak, oligarchic state greased by corruption — the state produced by history, symptom of imperialism’s effects.”

- Gina Apostol (2018)

a picture

Who are we?

The Philippines



Carta Hydrographica y Chorographica de las Islas Filipinas

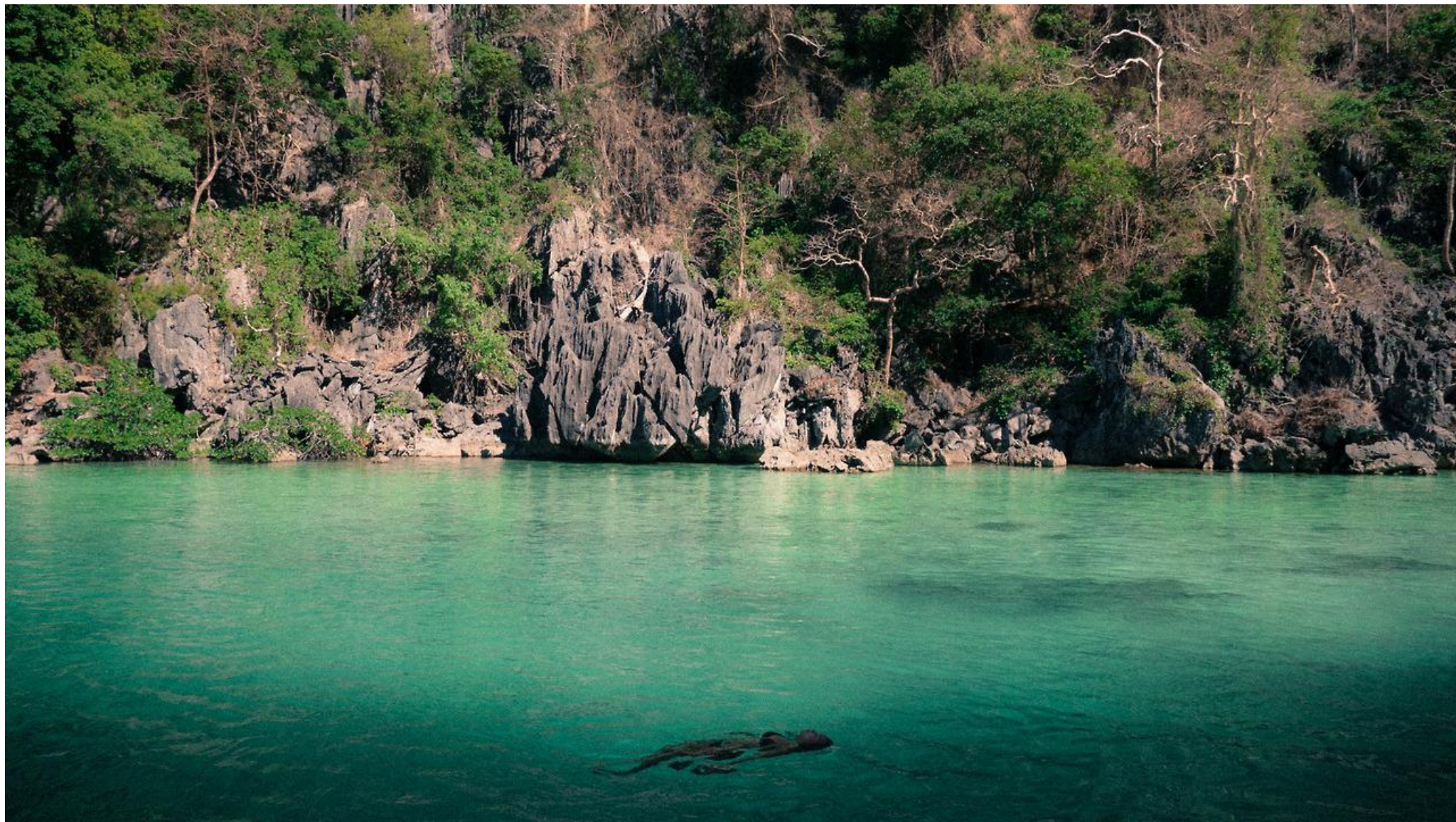
The Murillo Velarde Map (1734)















The Social-Ecological Continuum

Guardians of the Philippine Ecosphere



The Guardians (2020)
© Gab Mejia, with permission

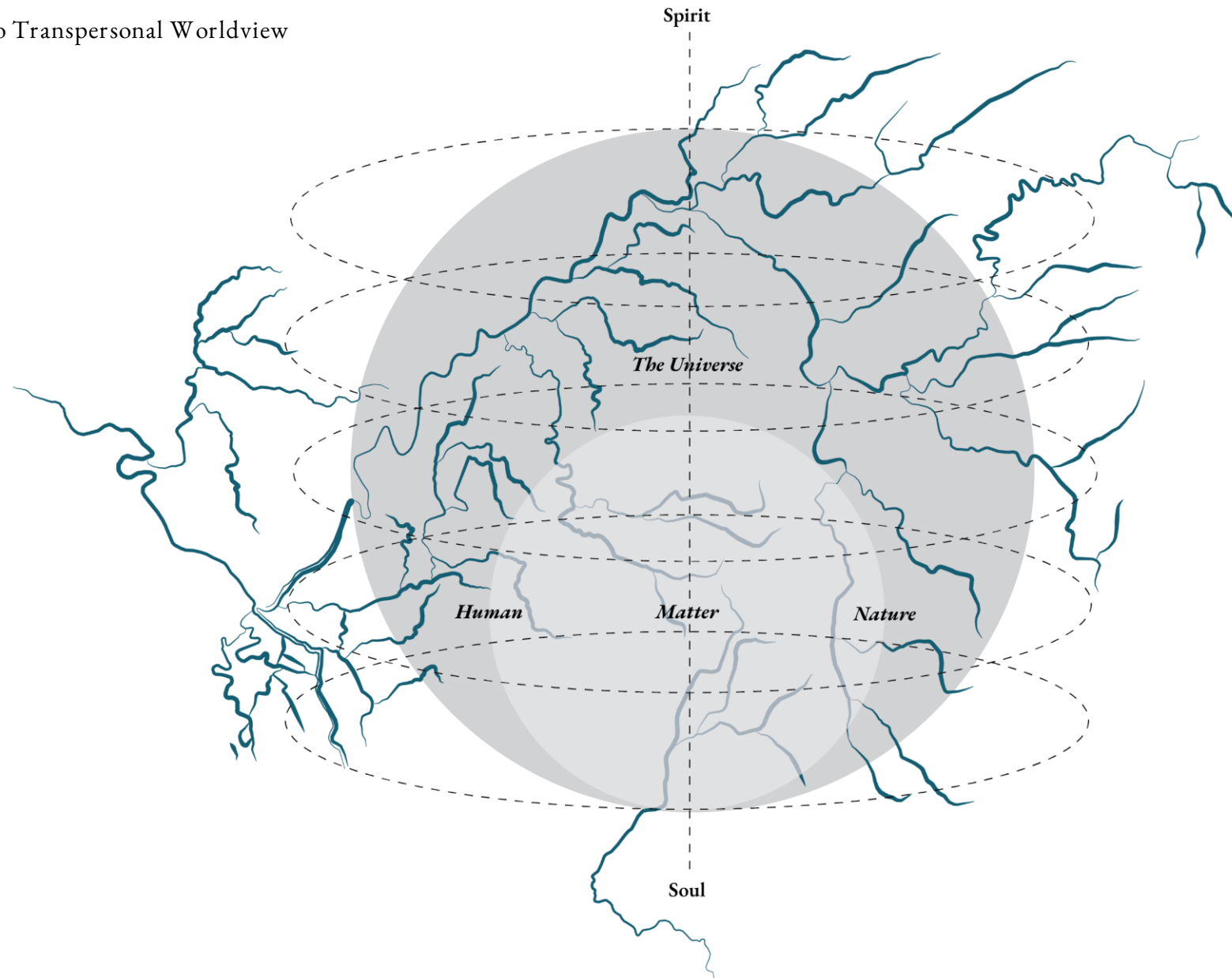
Pre-Colonial Filipino Cosmology

Filipinos acknowledge that visible and invisible forces surround them in nature and on whom they depend for their well-being or misfortune. They belong to an endless maintenance of balance through a process of give and take.

(Debelke, 1928; Vicerra and Javier, 2013)

The Social-Ecological Continuum

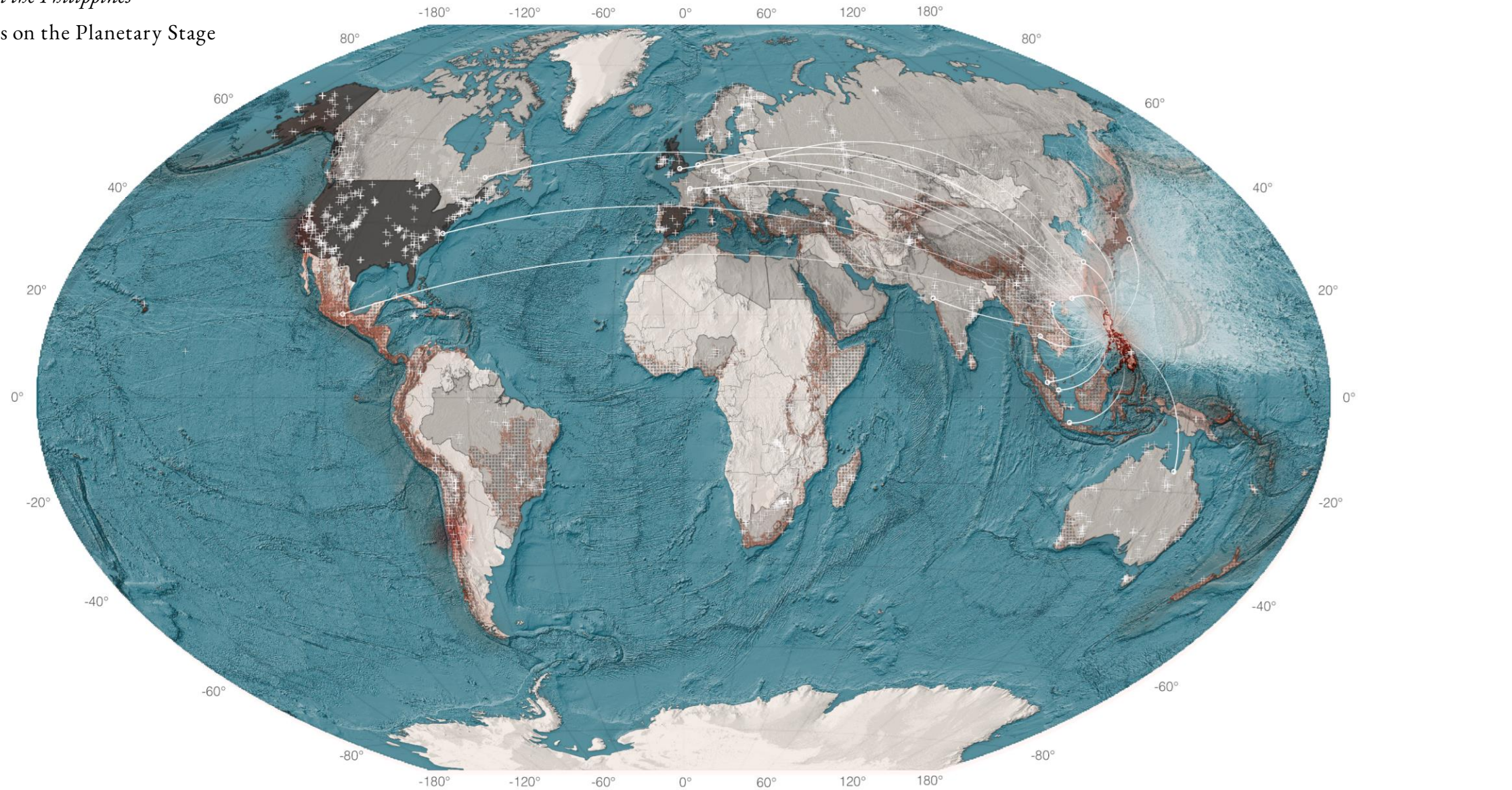
The Pre-Colonial Filipino Transpersonal Worldview



a reality

"It's More Fun In the Philippines"

The Philippines on the Planetary Stage



The Philippine Archipelago



Pacific Ring of Fire
with Earthquake
Epicenters
(1973-2003)



Historic Major
Cyclone Tracks
(1842-2021)
along Typhoon Belt



Biodiversity Hotspots
of WWF's Identified
Ecoregions
(includes entire PH)



Former Colonizers
- United States of America (1902-1946)
- Spain (1565-1898)
- Japan (1942-1945)
- United Kingdom (1762-1764)



Filipino Diaspora
in the World
(1965 - 2019)



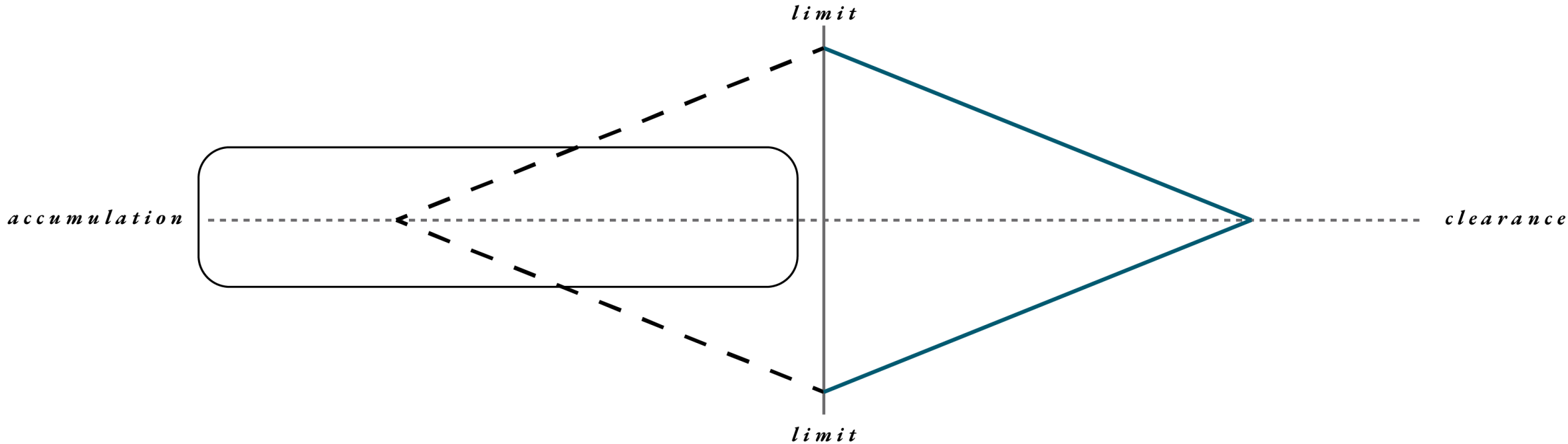
Top 20 Countries
with Trade Exports
from Philippine Market
(2021)



Critical
Minerals

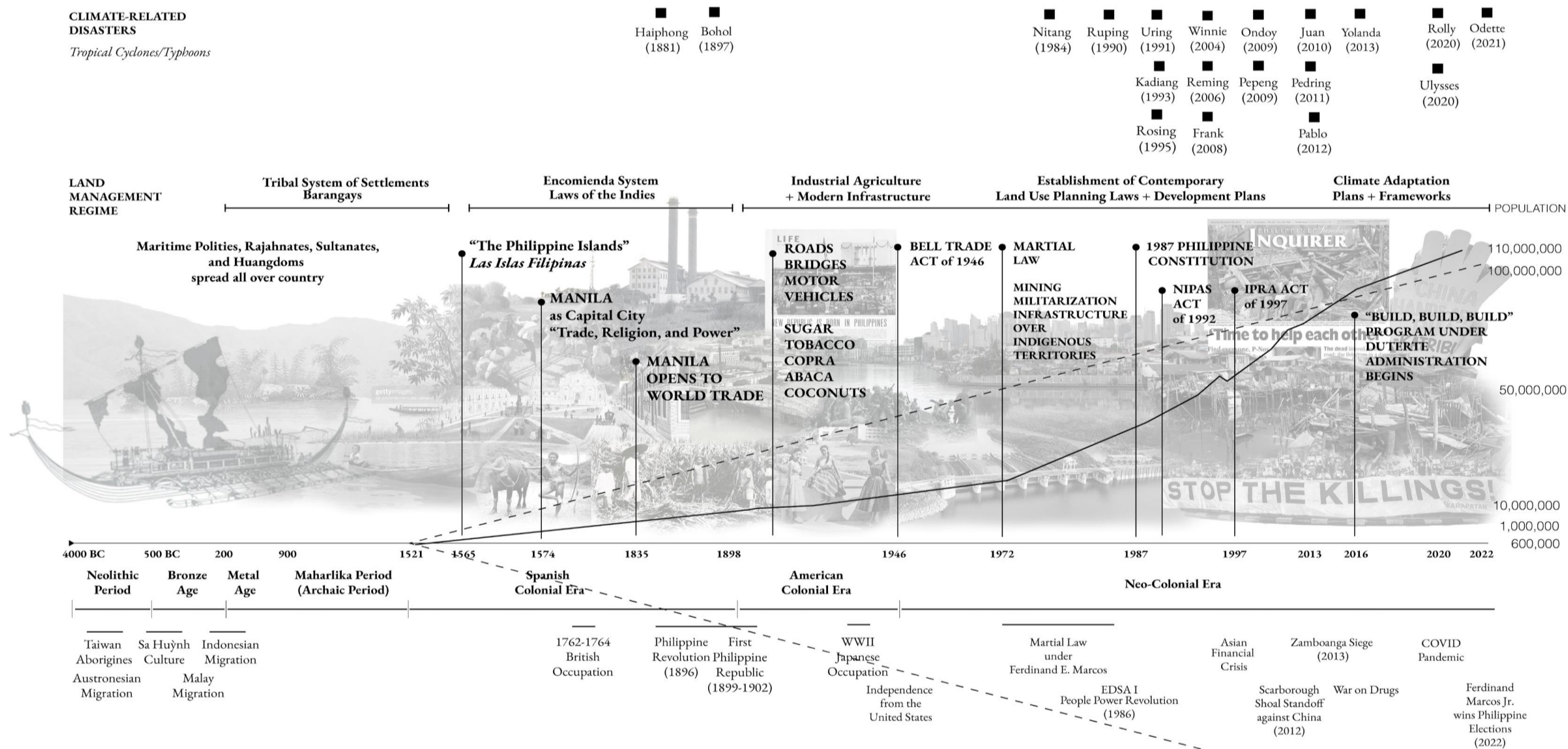
What have we become?

Accumulation



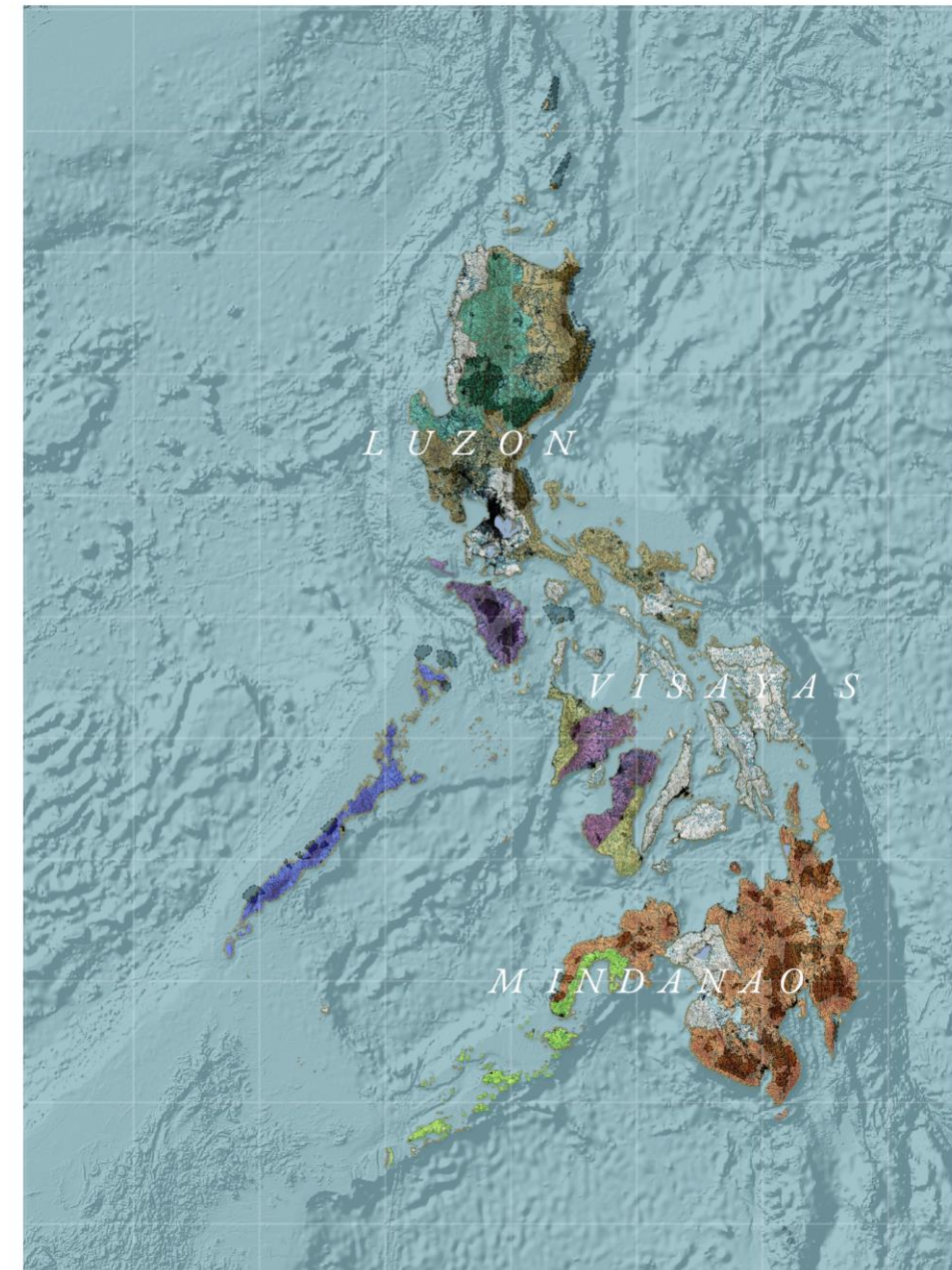
What have we become?

Accumulation



Identities

POVERTY INCIDENCE IP HOUSEHOLDS BY REGION (2022)	DOMAINS	TRIBES	POPULATION	ETHNOLINGUISTIC GROUP																
				GROUP																
				Lowland Christianized Groups			Igorot	Lumad	Moro-Islamic Indigenous Groups			Sulodnon	Mangyan	Tribal Palaweño	Negrito					
				98,000,000			1,500,000	1,200,000	5,000,000			82,000	280,000	10,000-15,000	15,000					
				Ivatan/Ithayan Ilocano Bago Binang Irawa Malawag Gadling Guhang Yugad Bolinao Bargasalan Sinhala Kipampangan Kisipanganon Palanan Tagalog Caviteño Ternateño	Abaknon Waray Cebuano Aklanon Capitanon Kasapi Hiligaynon/Ilonggo Maghat Borhanon Cebuano Buholano Ilokano Bantocanon Lugbanon Rimbenganon Agutaynon Kipanganon Cuyayanon	Suriganonon Kamiginin Bunuanon Zamboangero Cotabato Davao Bodino Mabareño	Ilong/Iraya Ungulan Kalinga Buklog Bontoc Ifugao Kankayan Kulaban Karo Iwak Iraya Buhai Hmong/Bagilot	Subanon Mamanwa Mambo Ugason Bukidnon/Binukid Talaandig Umayaynon Tigwahonon Matigayon Mangawangan/Agutaynon Kamayon Kalagan	Manaya Mandaya Gangan/Bago/Bolita Tagawa Teburay/Tiruray Tagakulo Tauday B'laan T'boli Sangil/Sangirese	Molbog Kolbugan/Subanon Maranao Loran/Baran Magindananon Sangil/Sangirese Yakan Tausug Jama Mapun Bangsingui Santa Dina Sama-Biliran Sama Dilaut/Bajan	Sulod Tumandok Pany-Bukidnon Panyon Sulad	Iraya Alangan Tadawan Tawbid Bangan Zabid Himanoo Karaganon	Tagawa Palaw'an Tase's Bato	Atas/Agia Batak Ati Mamanwa						
				NCR	CAR	I	II	ARMM	CARAGA	XII	XI	X	IX	VIII	VII	VI	V	IV-B	IV-A	III
				467	48570	8982	44432	88425	50189	82574	129946	88055	113874	235	4055	14898	7677	63098	3089	10368



ancestral domains
 urban domains
 river

pre-colonial indigenous homelands (by major ethnolinguistic group)

 igorot luzon negritos mangyan	 tribes of palawan ati tribes of panay	 lumad bajau (moro-islamic)
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What shall become of us?

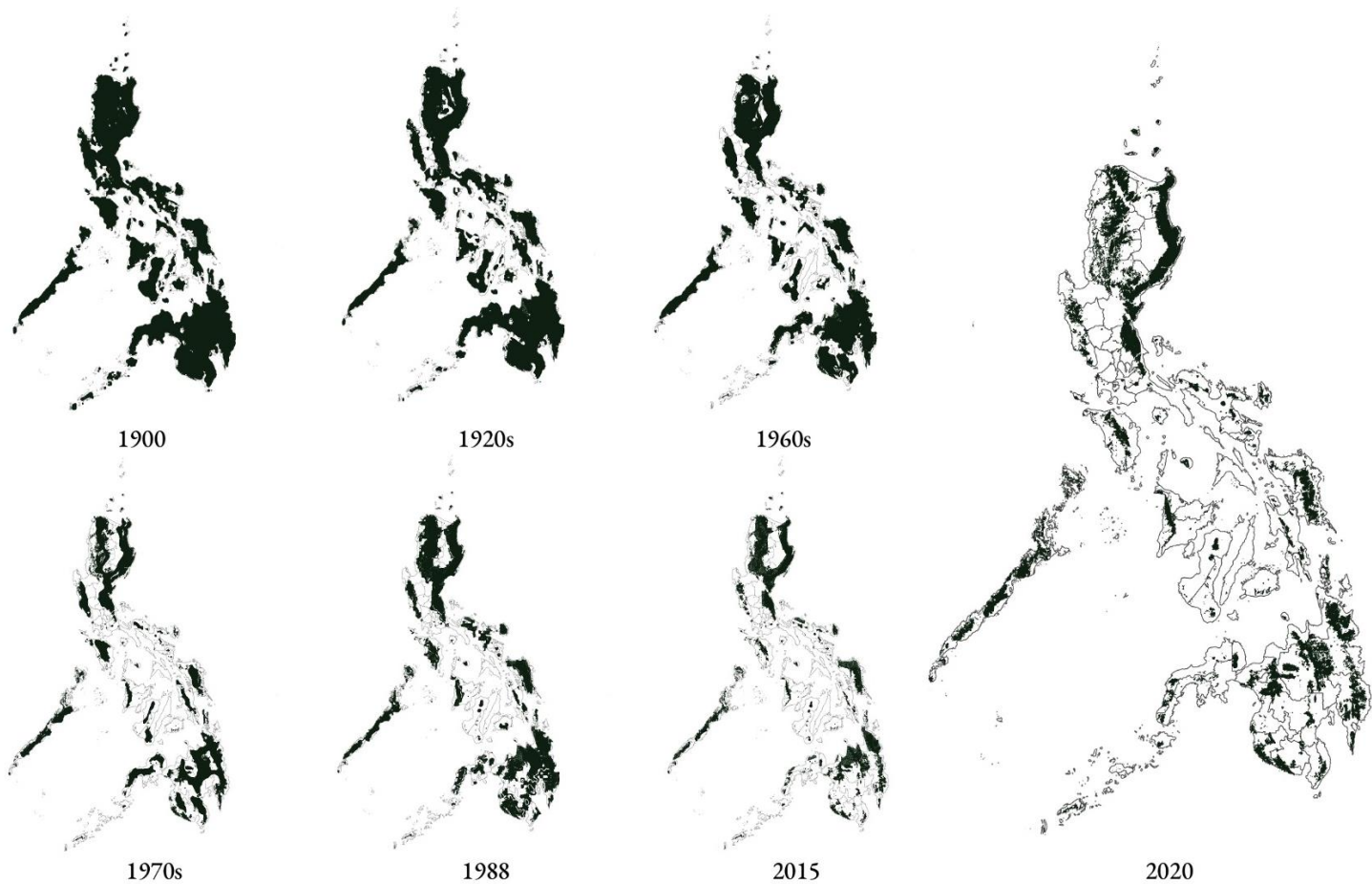
Identities



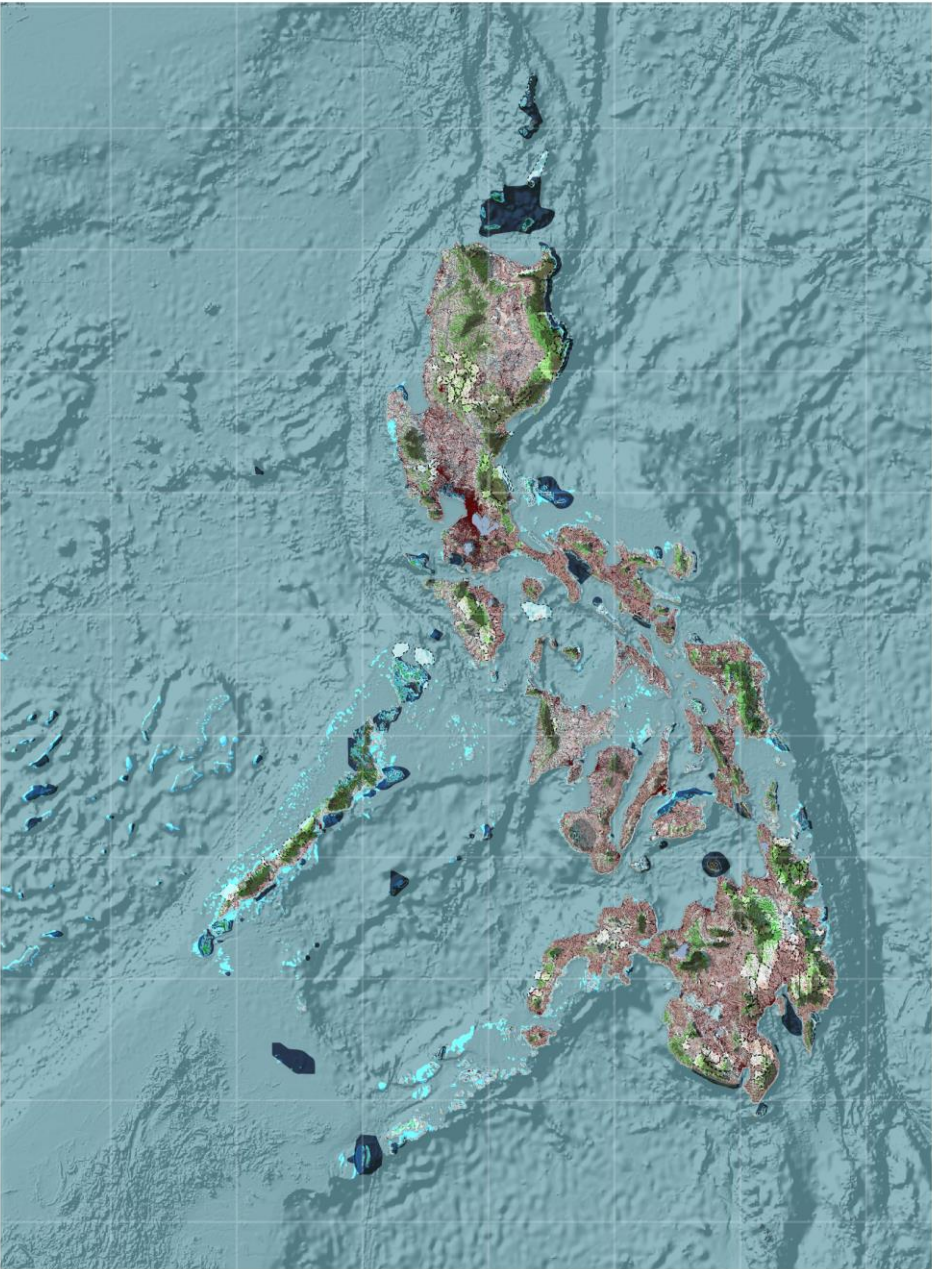
Kalinga Tribal Leader and Oldest Tattoo Artist, Whang-Od, Inking a Tourist in Tinglayan, Kalinga, Luzon, Philippines
by the author (2015)

What shall become of us?

Resources



Forest Cover Decline in the Philippines (1900-2020)



ancestral domains
urban domains
river
open forest area
closed forest area
agricultural areas
marine protected areas
coastal resources
(coral reefs, mangroves, & wetlands)

0 200 km

N

What shall become of us?

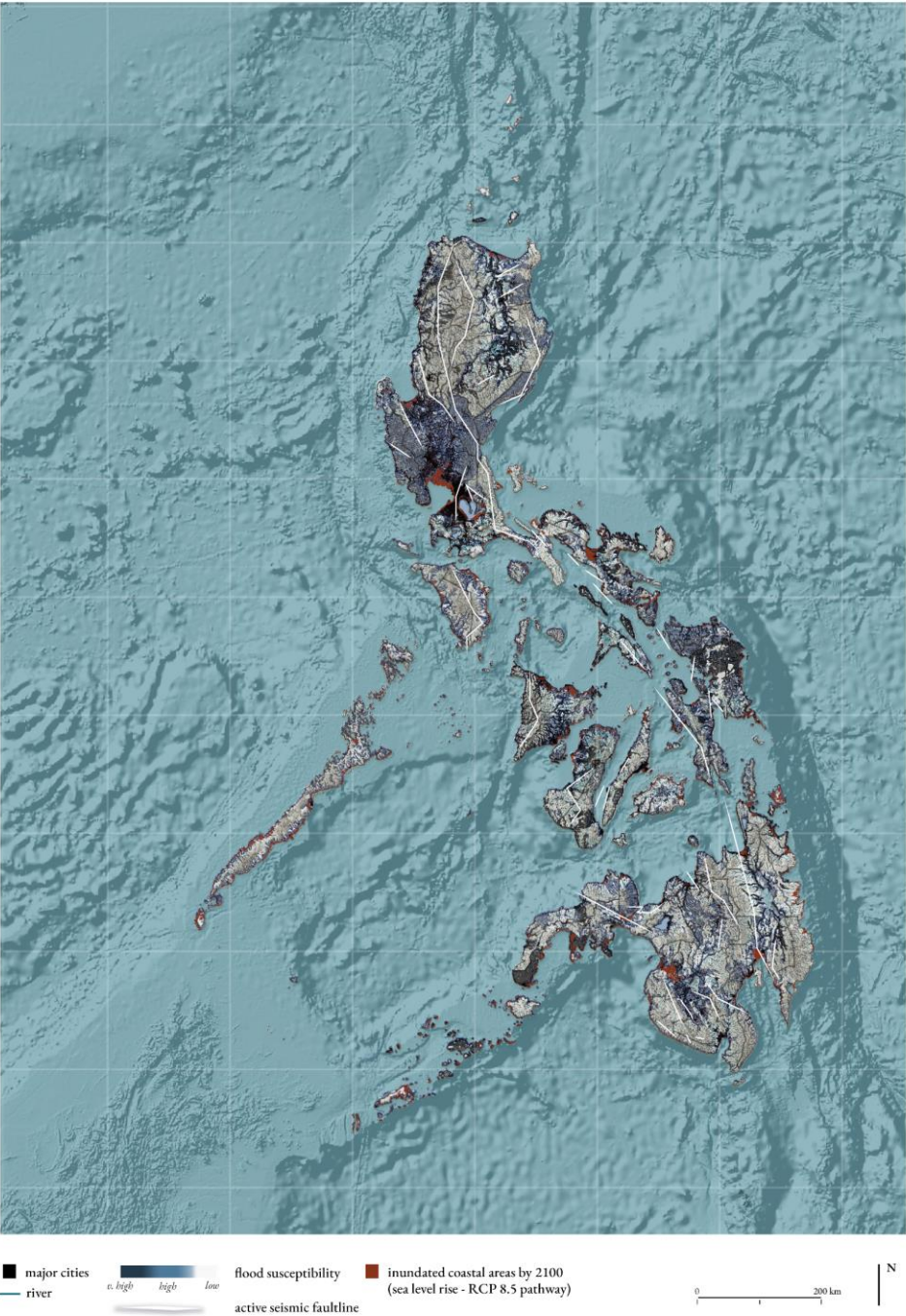
Resources



*Agusanon-Manobo Sitio Leader Unloading Catch for the Day, Sitio Panlabuhan, Agusan Marsh, Agusan del Sur, Mindanao, Philippines
by Gab Mejia (2019)*

What shall become of us?

Risks



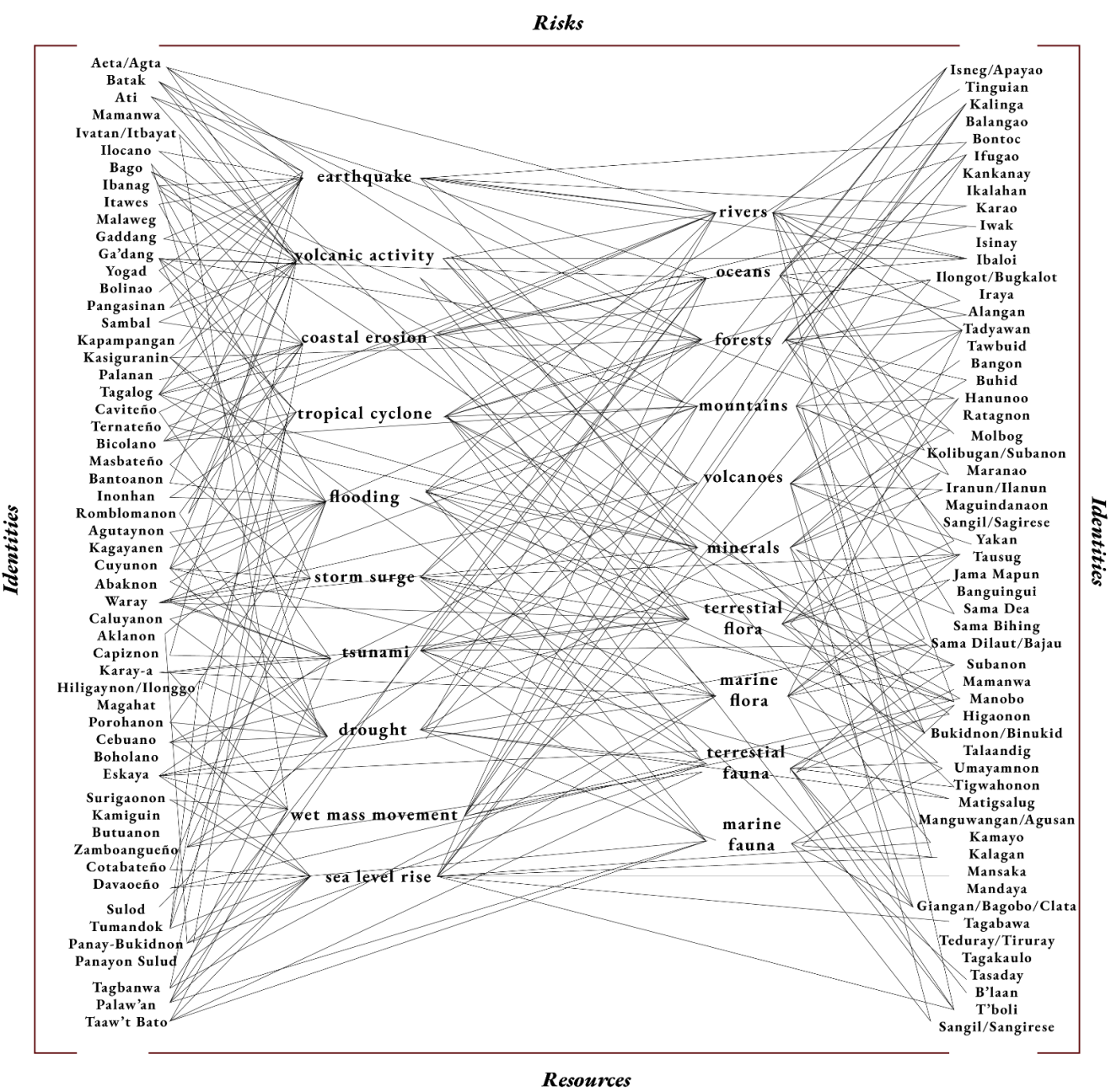
What shall become of us?

Risks



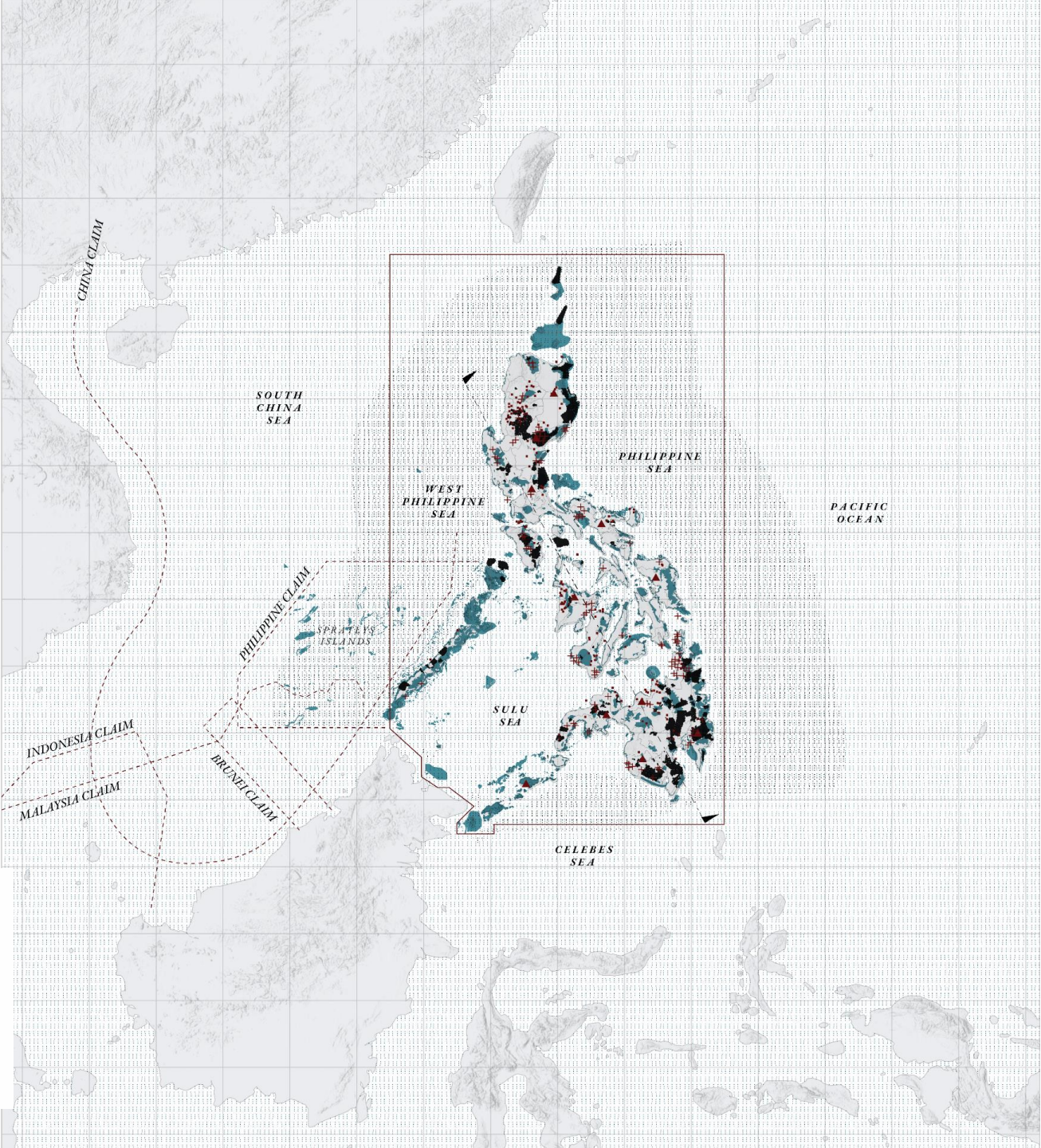
Havoc Wreaked by Typhoon Yolanda in Tacloban City, Leyte, Visayas, Philippines
by Erik de Castro (2013) via Reuters

How are they all taken care of?
Archipelagic Multiplicities



How are they all taken care of?
Lines of Inquiry

GEOPOLITICS
composition



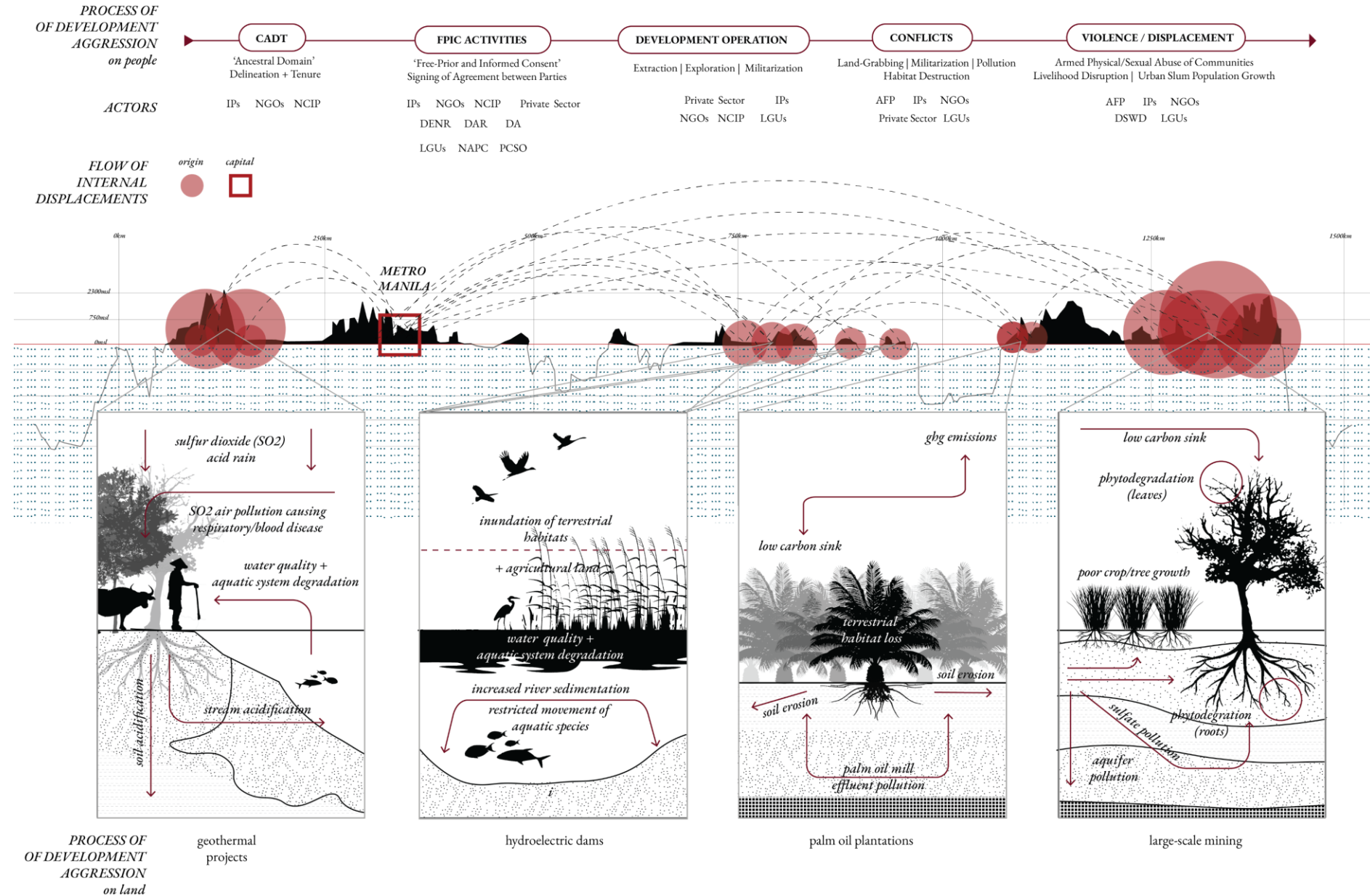
- Saltwater
- Exclusive Economic Zone (EEZ)
- Philippine Territory (International Treaty Limits)
- - - Spratly Islands Dispute Claims
- Key Biodiversity Areas (KBAs)
- Ancestral Domain
- + Mining Activity
- Hydropower Infrastructure
- ▲ Military Infantry Units

How are they all taken care of?

Lines of Inquiry

GEOPOLITICS

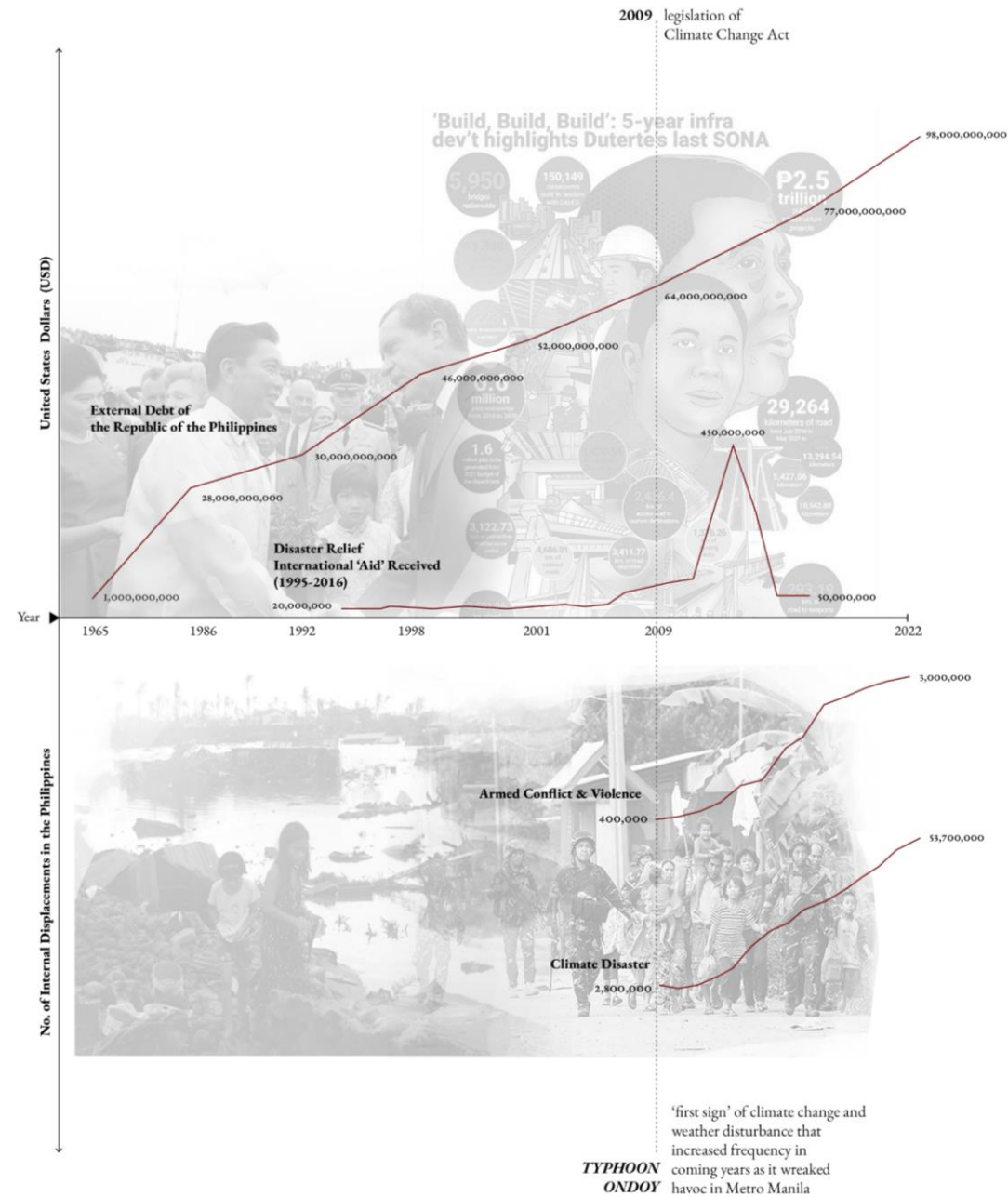
alteration



How are they all taken care of?
Lines of Inquiry

GEOPOLITICS

limit

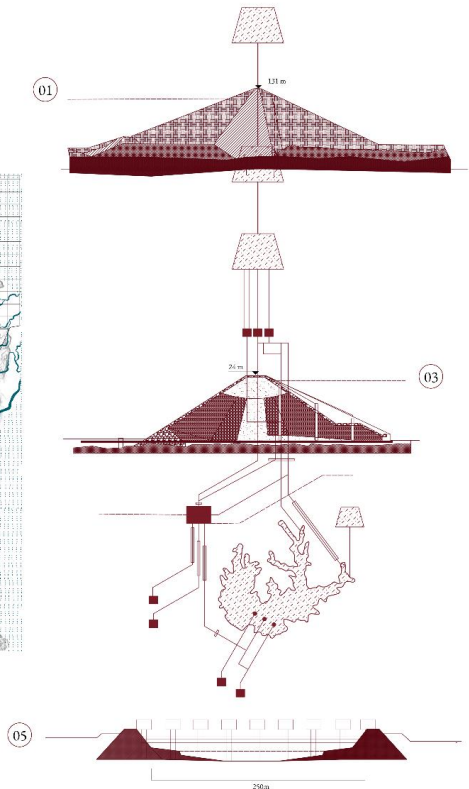
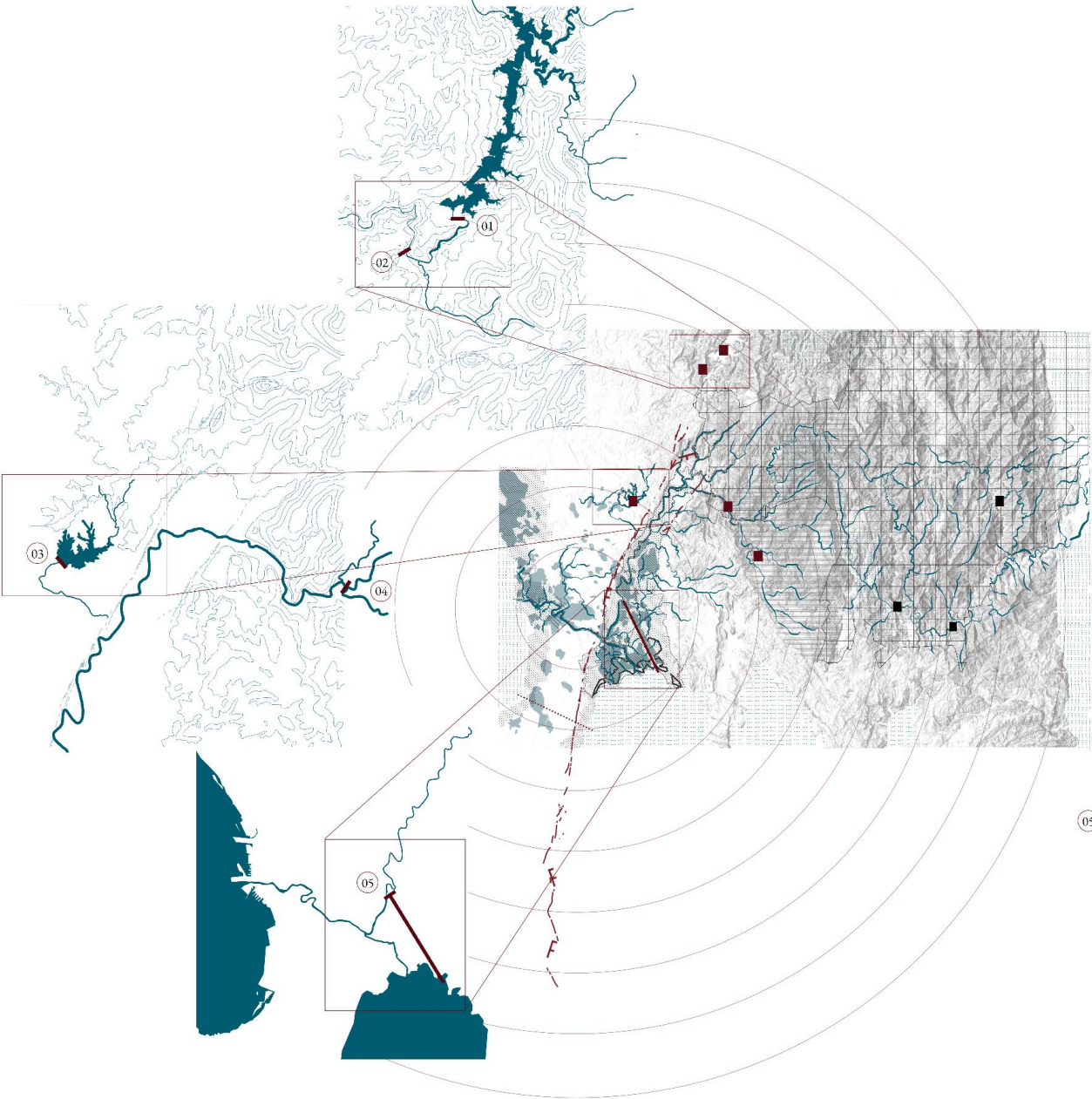


How are they all taken care of?
Lines of Inquiry

TOPOS
composition

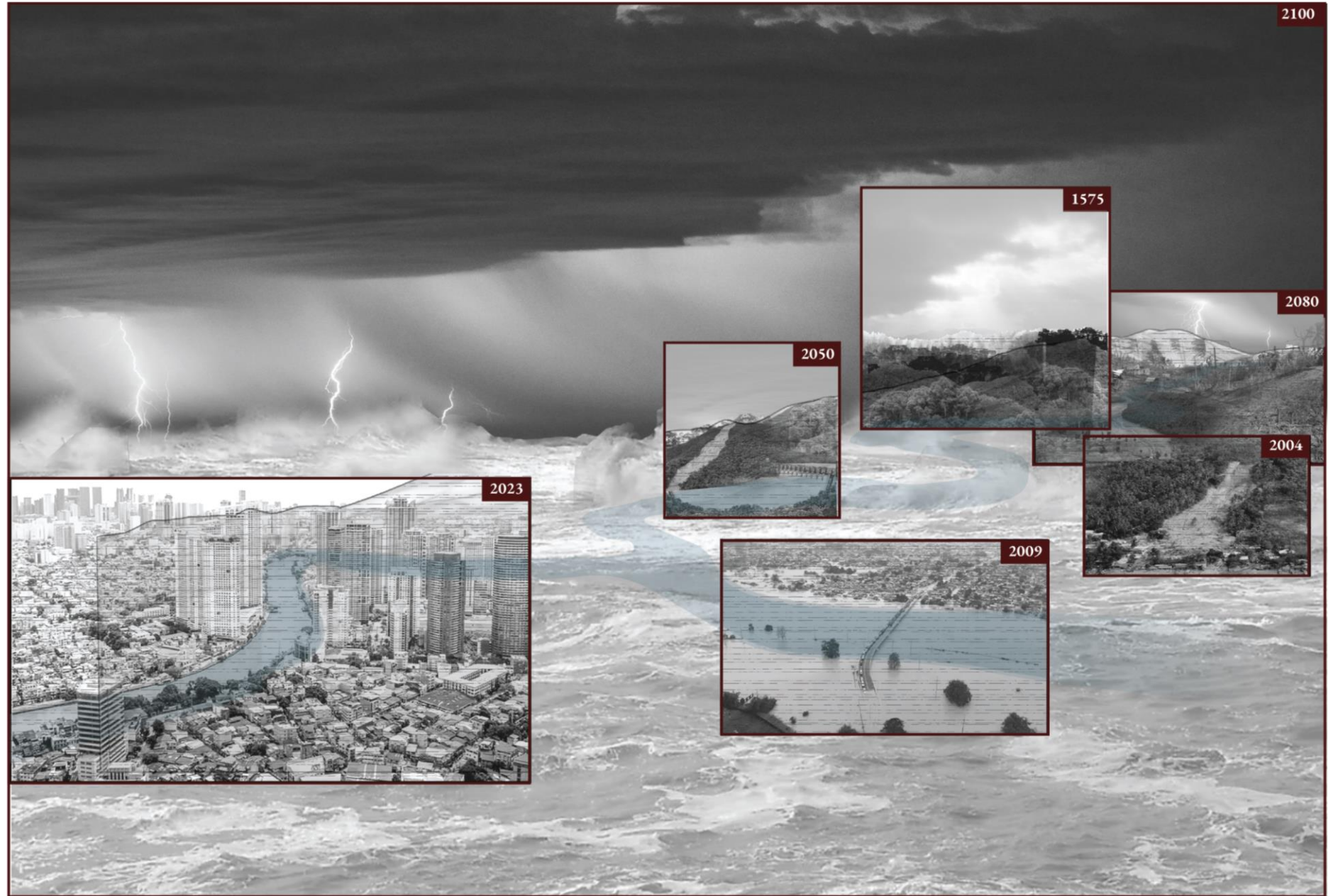
- Saltwater
- Freshwater
- River / Major Tributary
- ▨ Ancestral Domain
- ▨ Marshland (1947-1955)
- Marshland (1997)
- Flood Risk Area (50-100 Year Cycle)
- Existing Hydro Infrastructure
- Proposed Dam Infrastructure
- - Active Seismic Faultline
- 10km Radius Distance

- ① Angat Dam
- ② Ipo Dam
- ③ La Mesa Dam / Reservoir
- ④ Wawa Dam (decommissi)
- ⑤ Manggahan Floodway



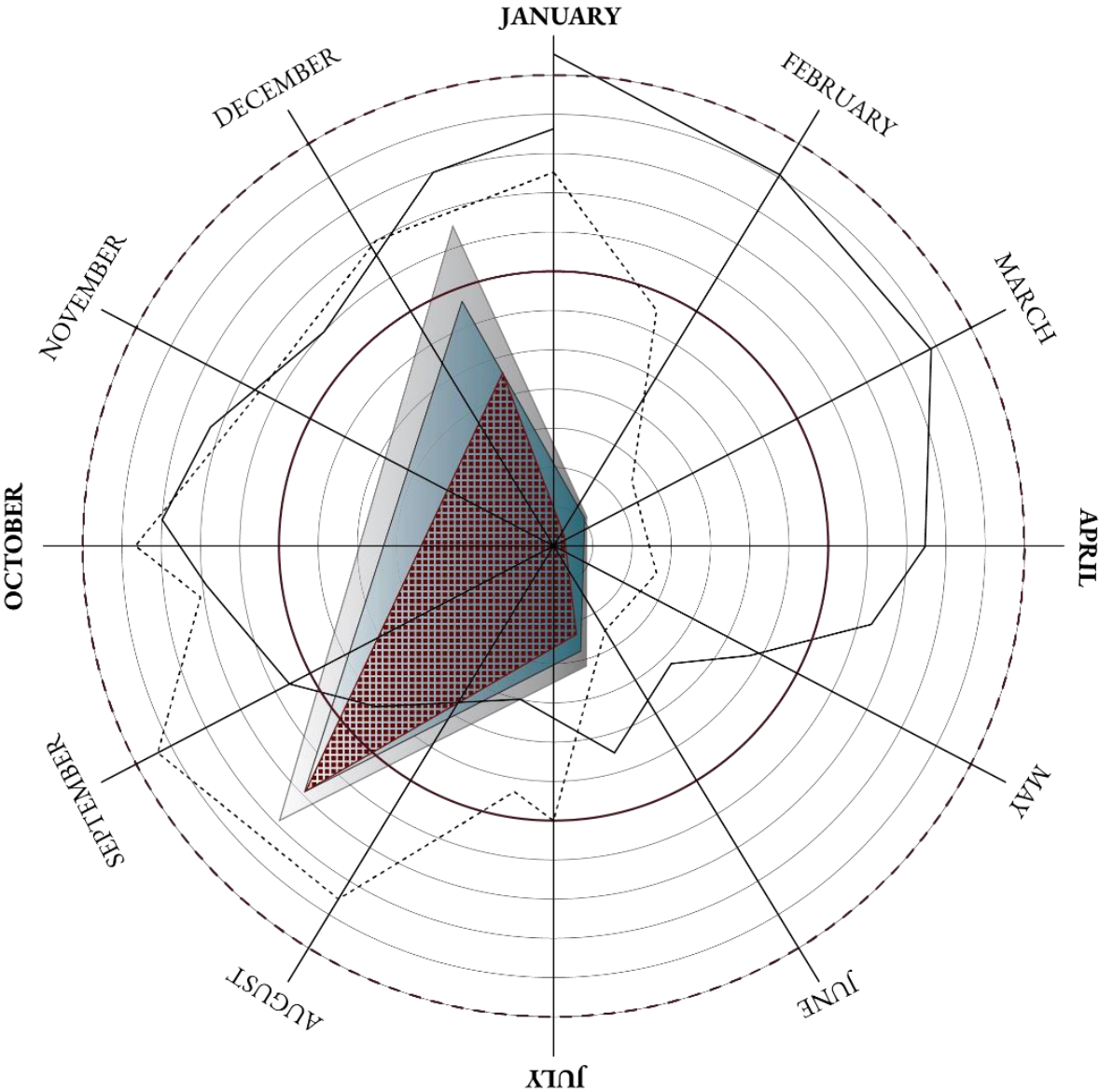
How are they all taken care of?
Lines of Inquiry

TOPOS
alteration



How are they all taken care of?
Lines of Inquiry

TOPOS
limit



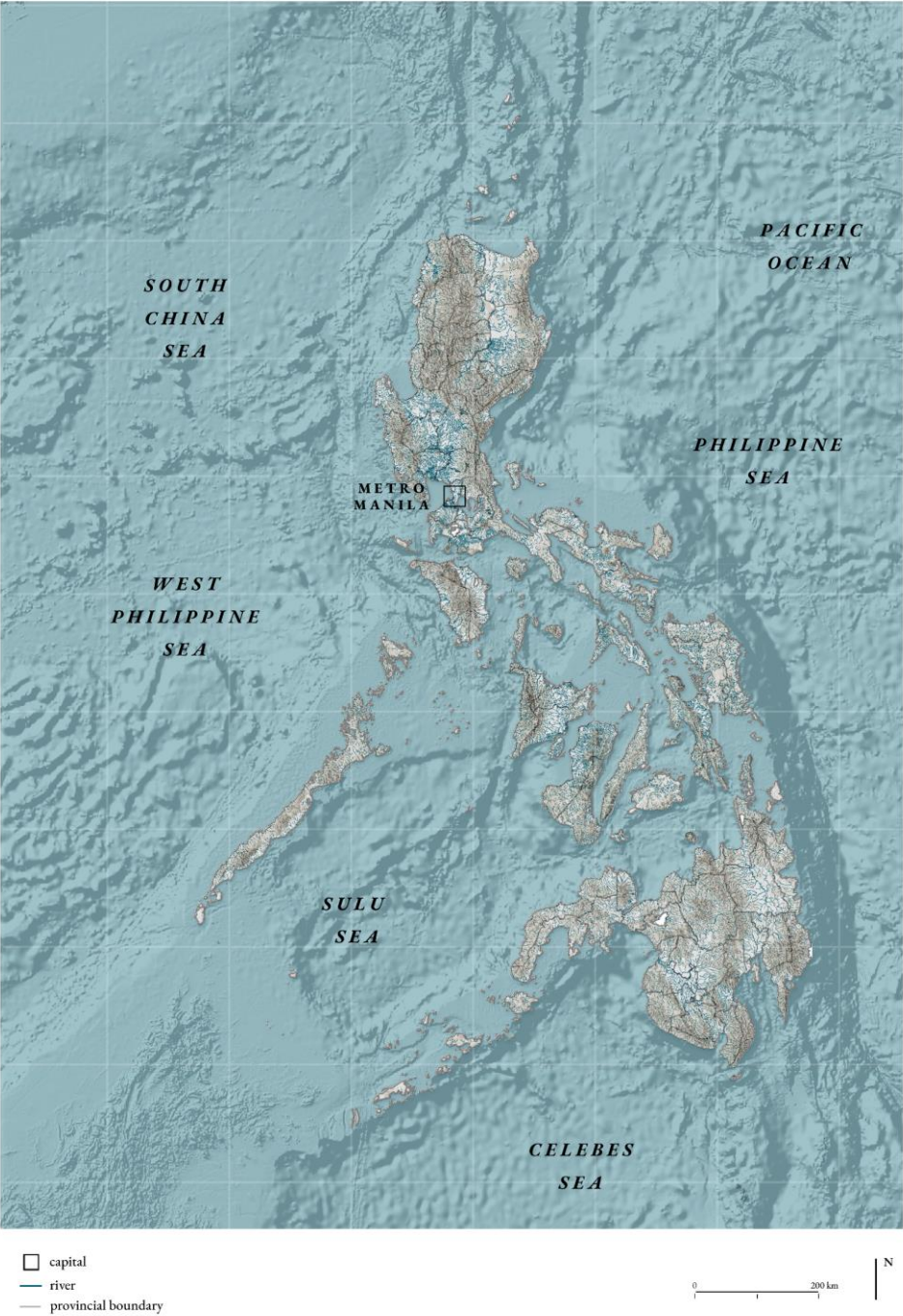
Annual Mean Number of Tropical Cyclones during Normal, El Niño and La Niña Conditions in the Philippines

	yearly total
Normal Year	20.96
La Niña	19.76
El Niño	16.17

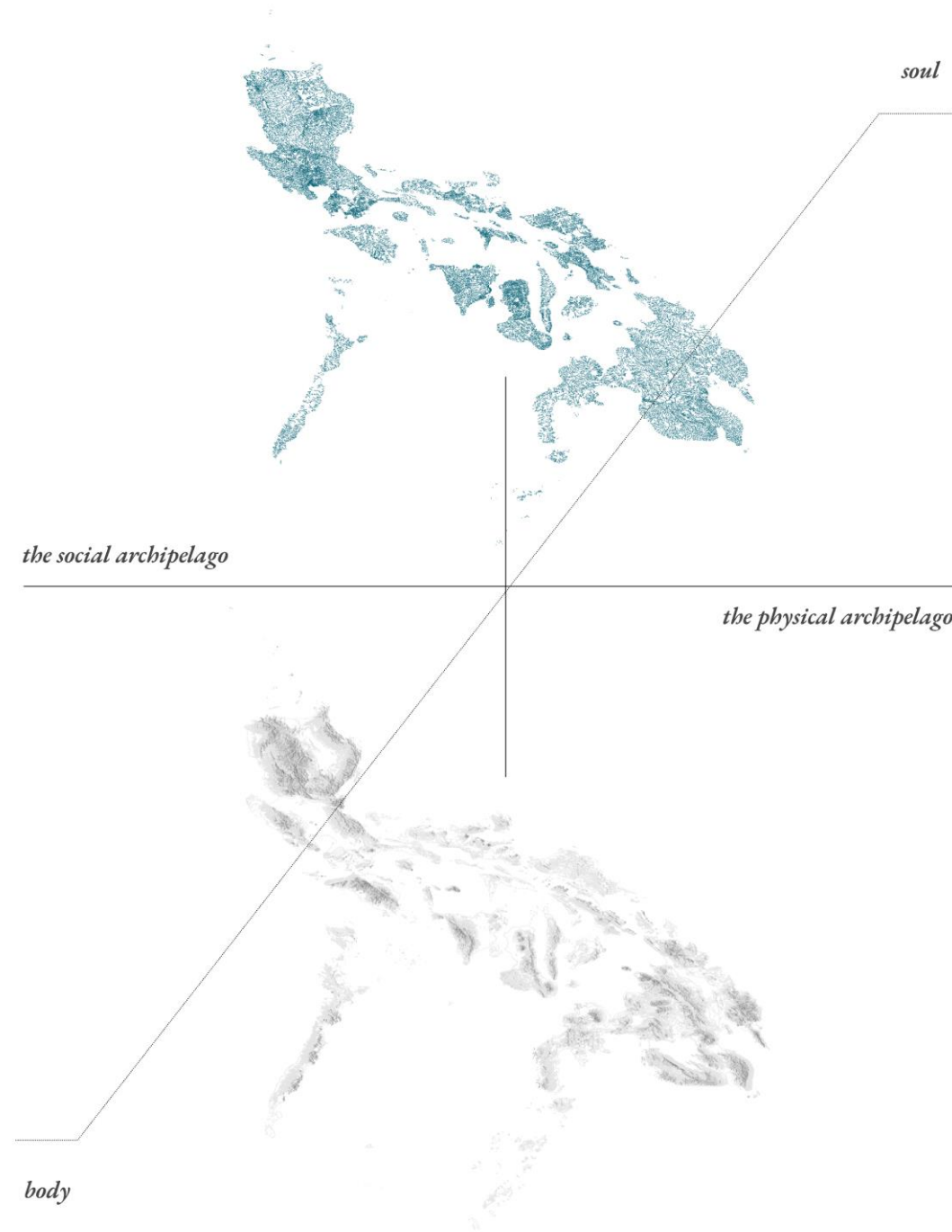
2 Main Water Supply Reservoirs of Metro Manila
Water Levels in 2019, marking historic lows

High Water Level	Angat Dam
Drought Level	La Mesa Dam

The Center of the Philippine Ecosphere
The Capital

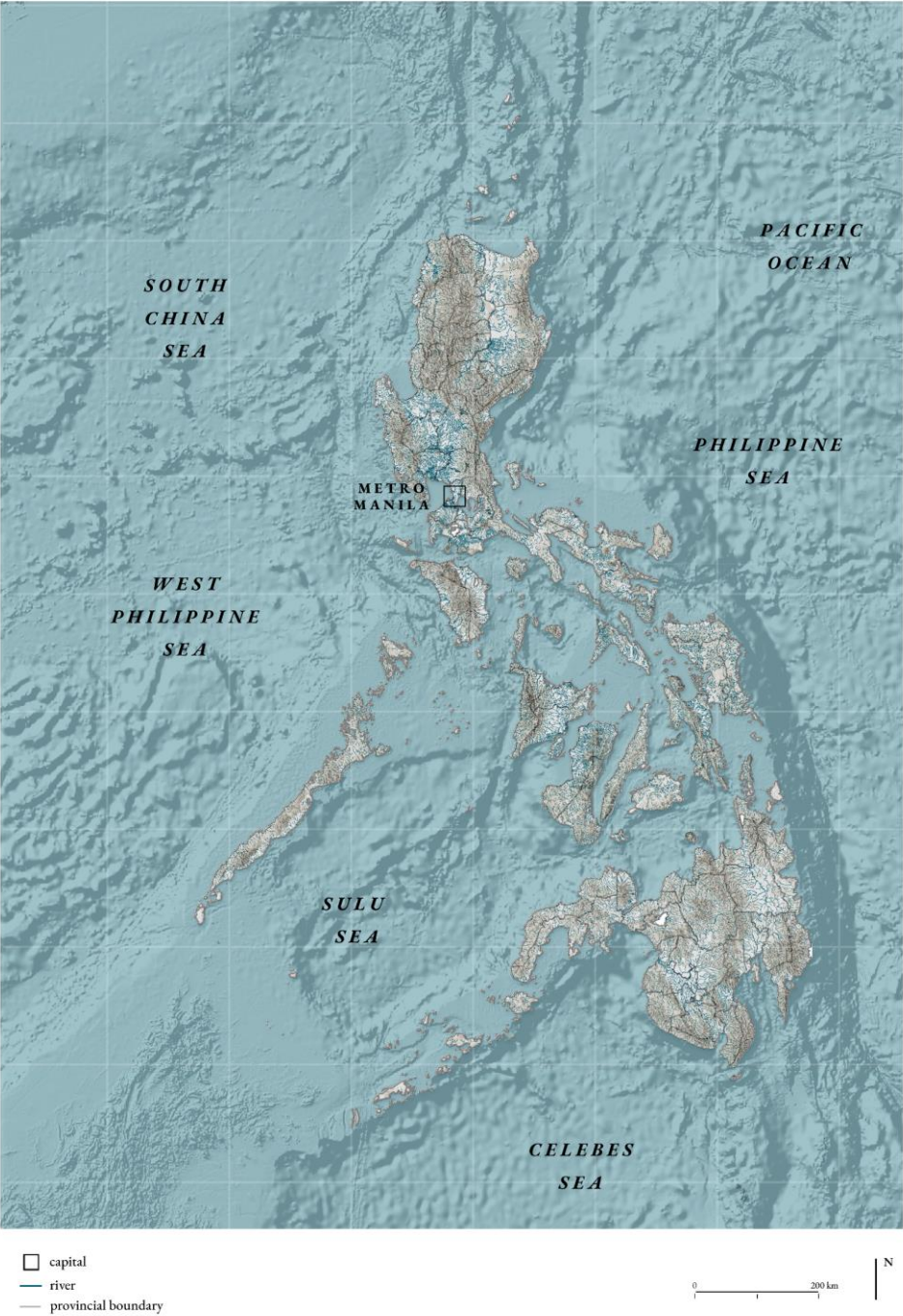


The Neo-Colonial Image
The New Climate Regime

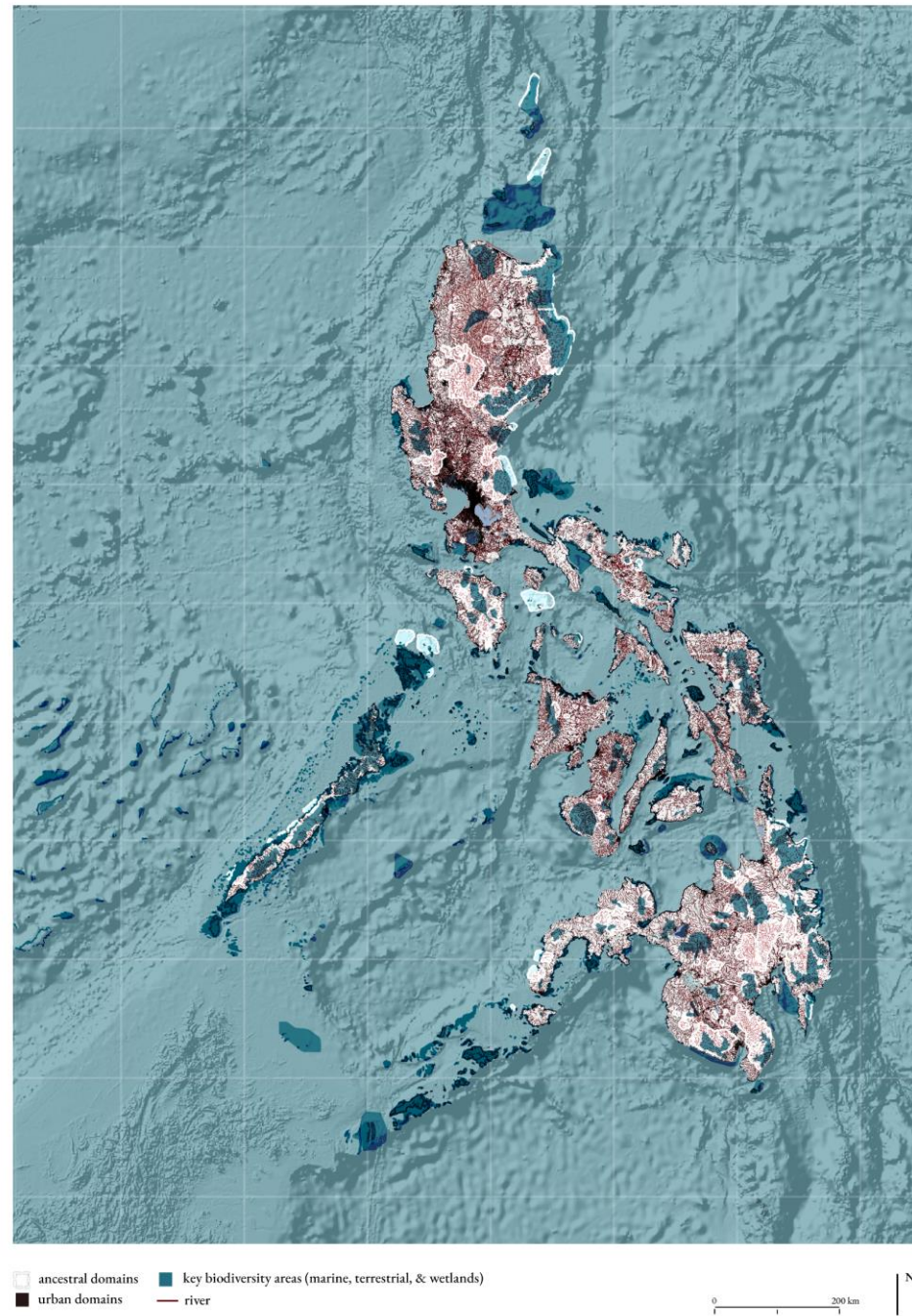


*“Exotic.
Exhausted.
Helpless.”*

The Center of the Philippine Ecosphere
A Neo-Colonial State in the
New Climate Regime

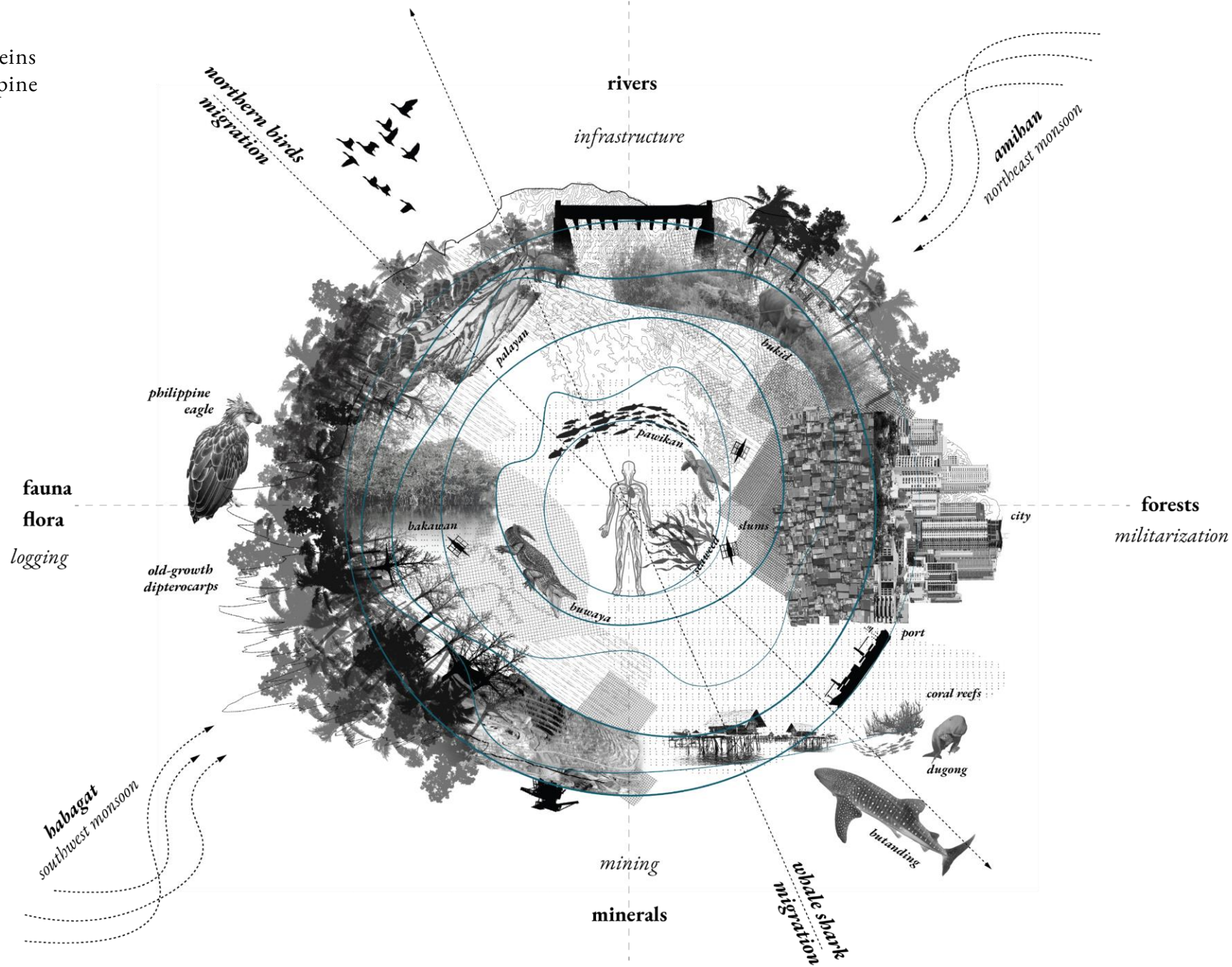


Spine of the Philippine Ecosphere
The River as the Main Veins
of a Scattered Nation

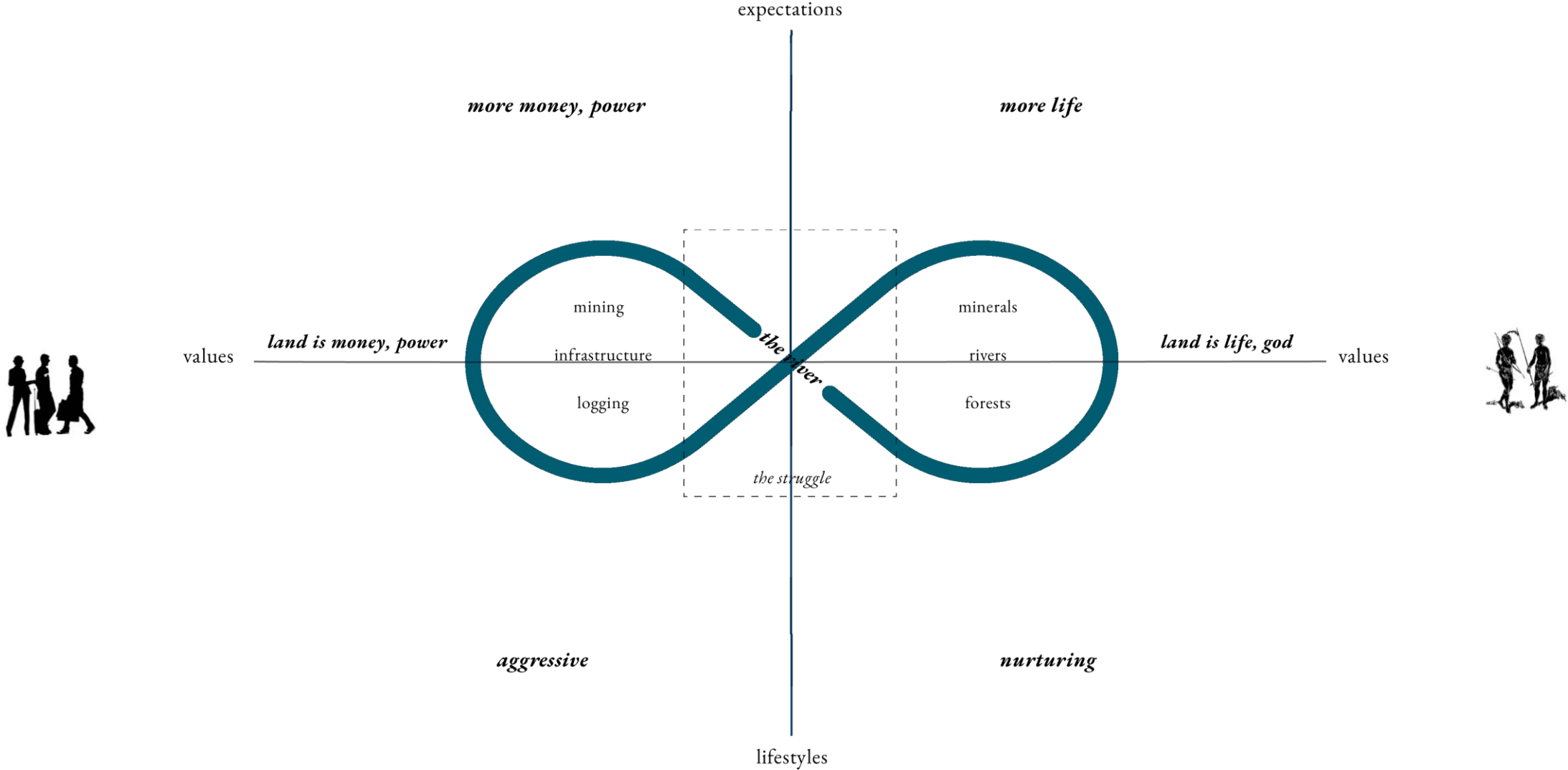


The River Interface

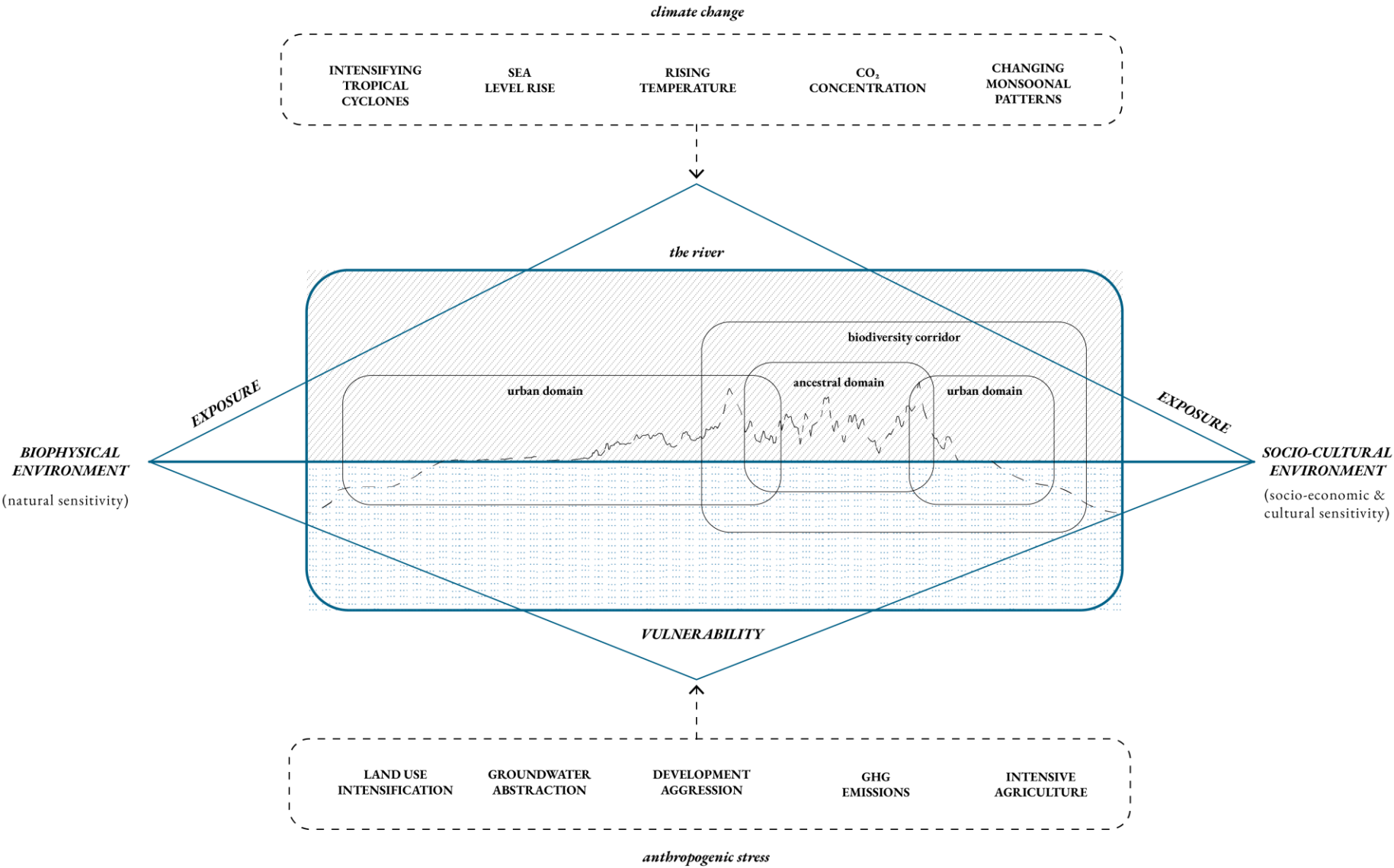
The River as the Main Veins
Encountering the Philippine
Ecosphere



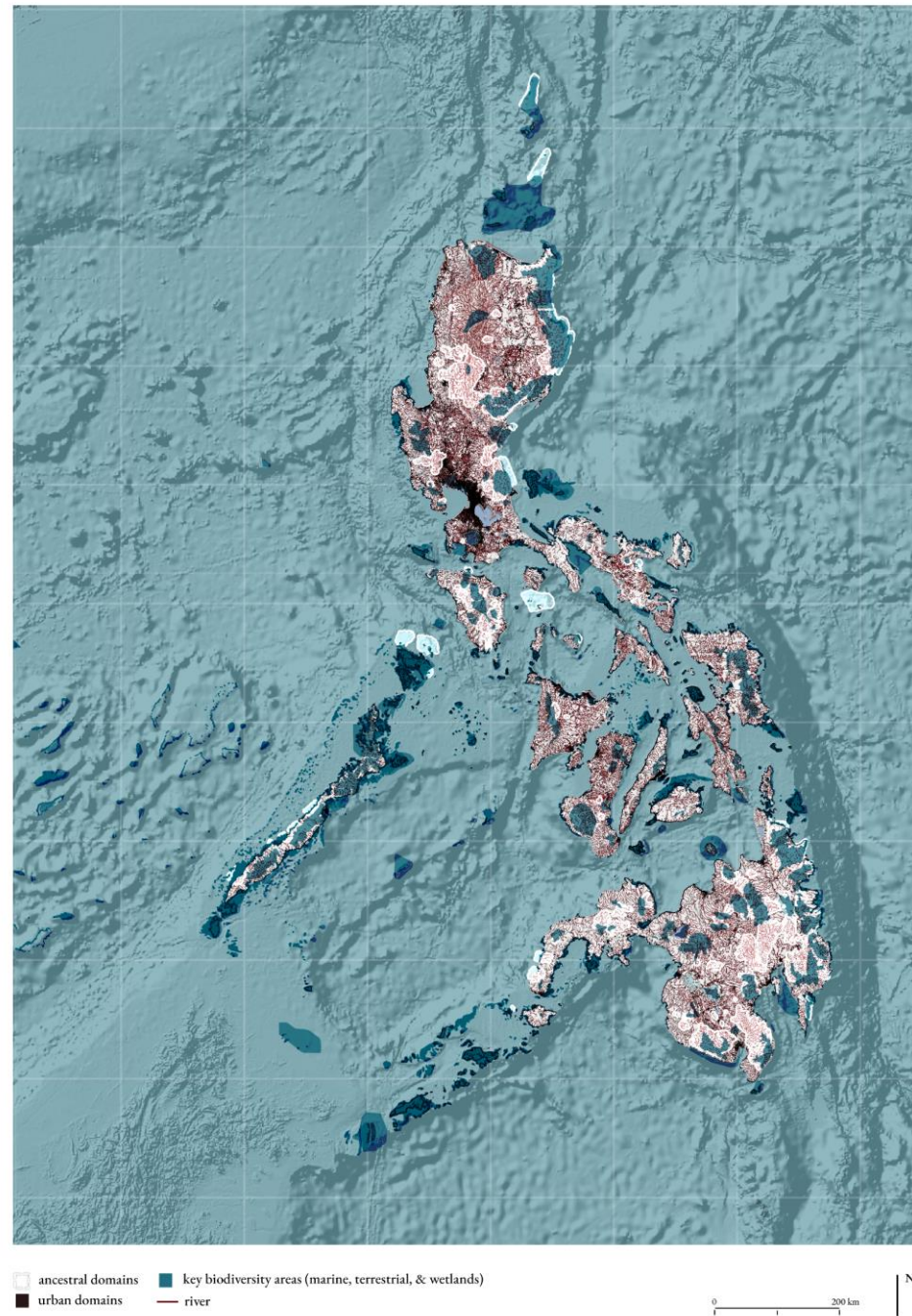
The River Interface
The Struggle is in the River



The River Interface
The Unit



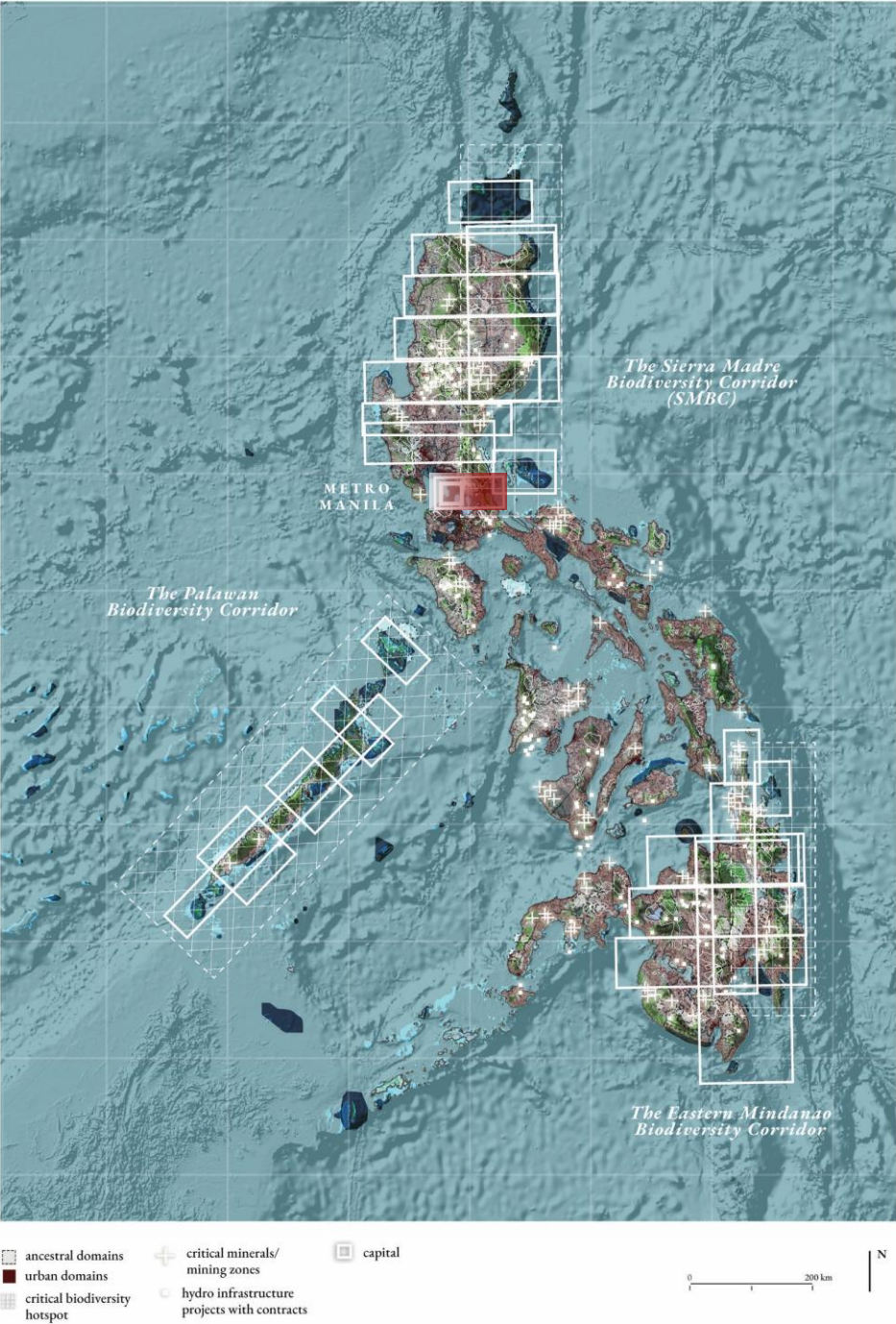
Spine of the Philippine Ecosphere
The River as the Main Veins
of a Scattered Nation



Spine of the Philippine Ecosphere
Potential River Interfaces

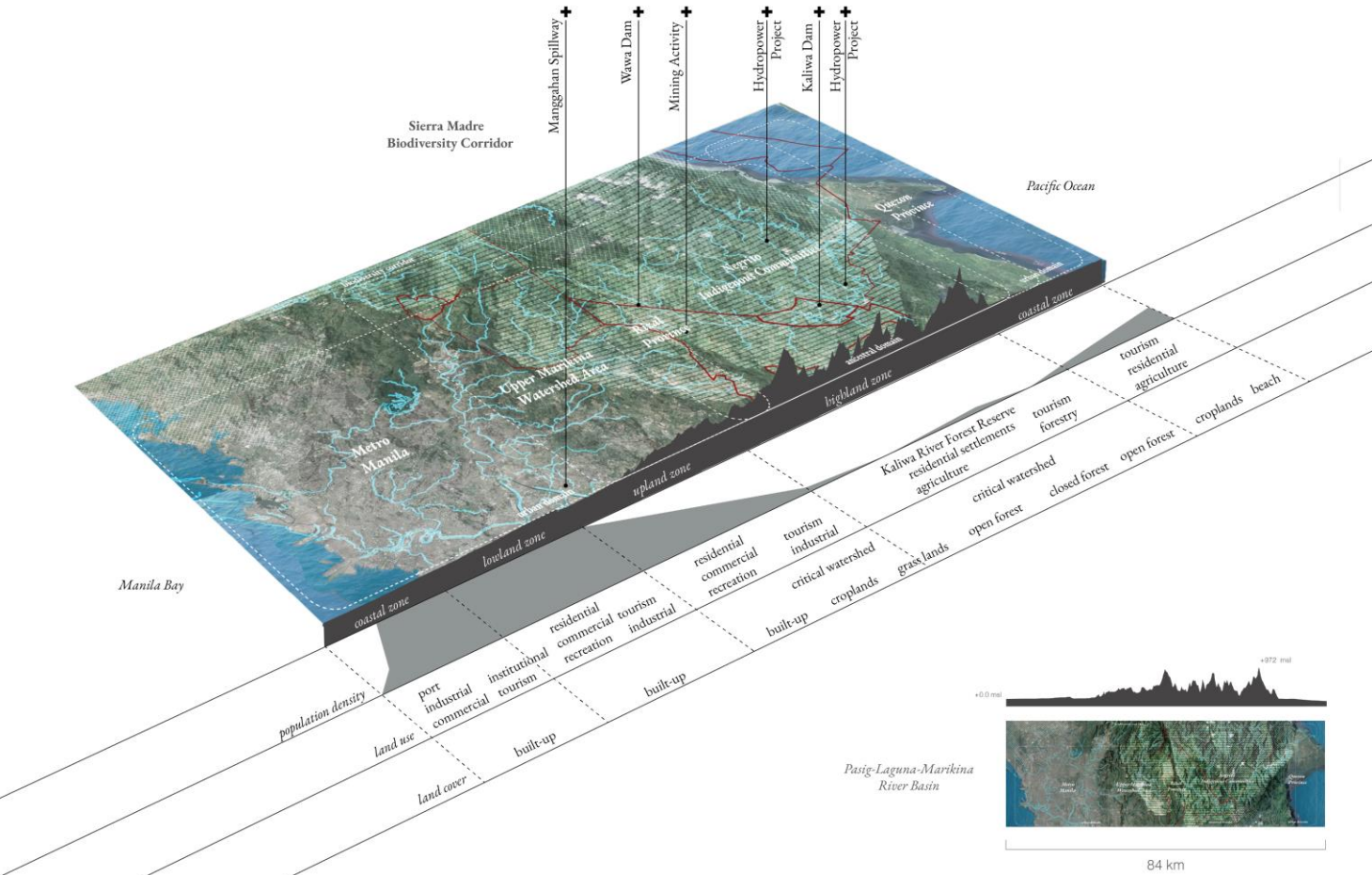
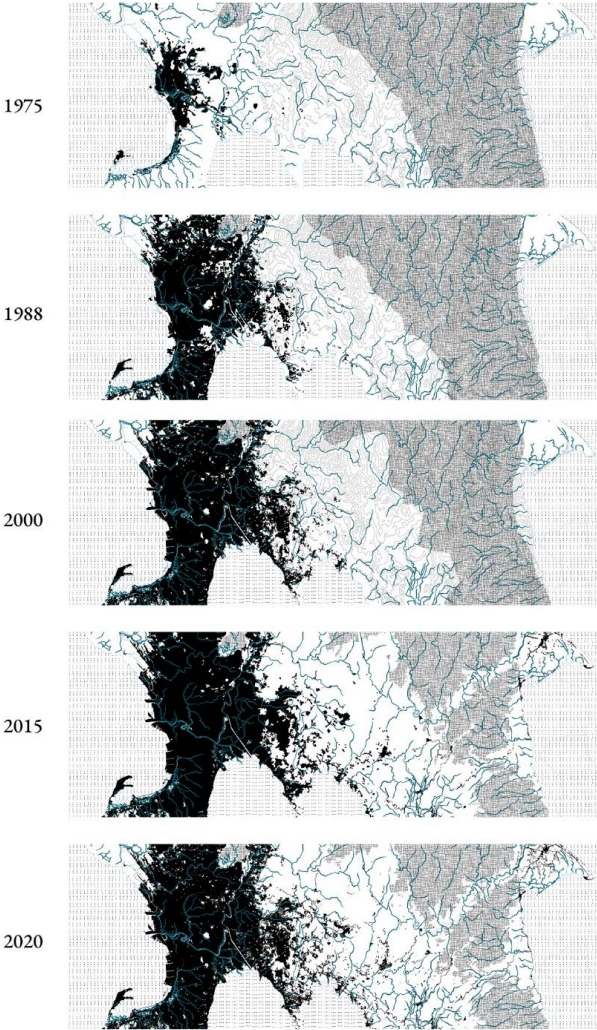
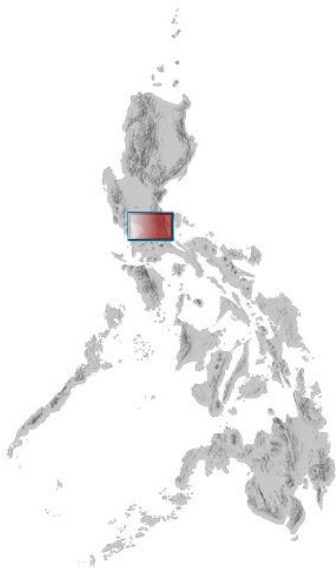


Spine of the Philippine Ecosphere
Potential River Interfaces



The River Interface
The Unit

Metro Manila Growth vs. Sierra Madre Forest Cover Decline
by author

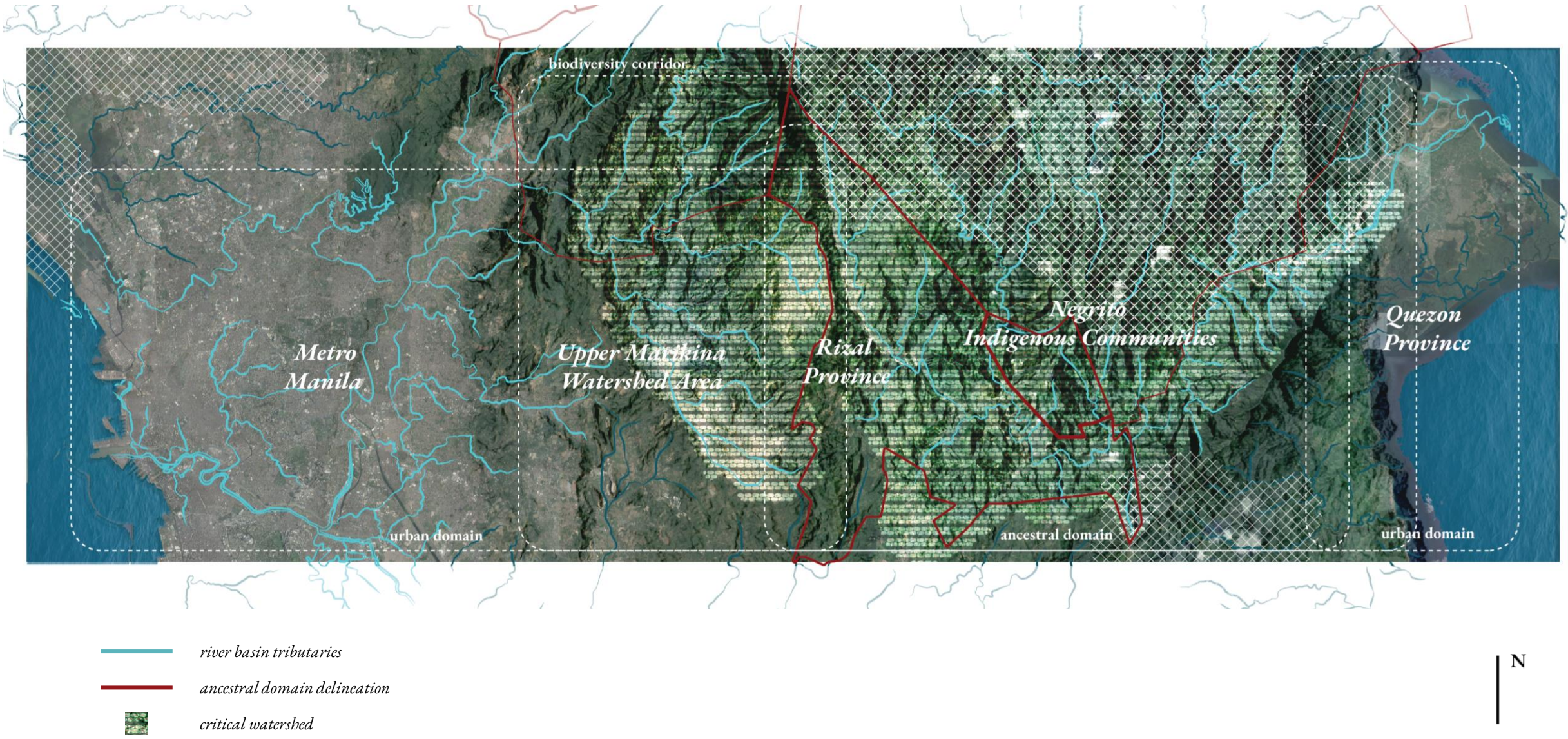


River Basin Area: 4,678 sqkm.

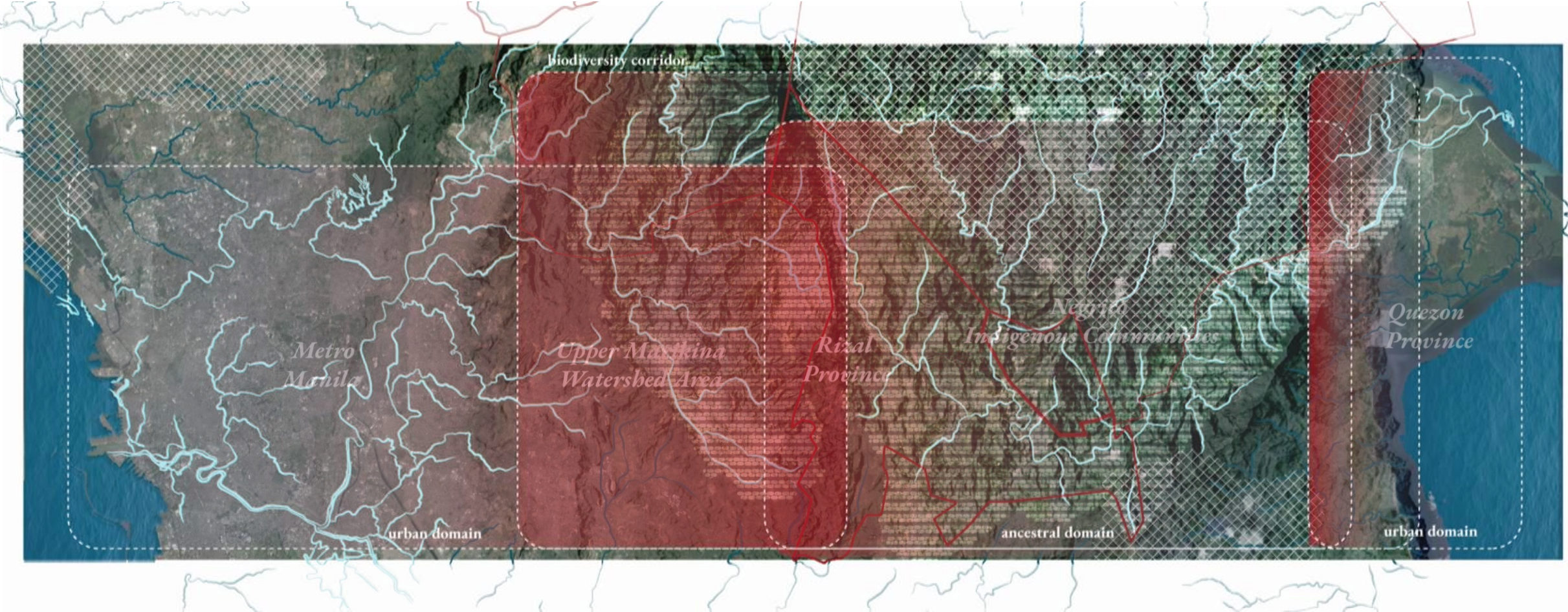
Location: LUZON, Philippines

RB: Pasig-Marikina-Laguna River Basin
BC: Sierra Madre Biodiversity Corridor
- Old-Growth Forests, Kaliwa River Forest Reserve, Critical Watersheds, Upper Marikina Protected Landscape
UD: Metro Manila + Rizal/Quezon Province Urban Settlements
AD: Negrito Indigenous Community Settlements (Agta, Dinagat, and Remontado)

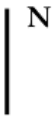
The River Interface
The Unit



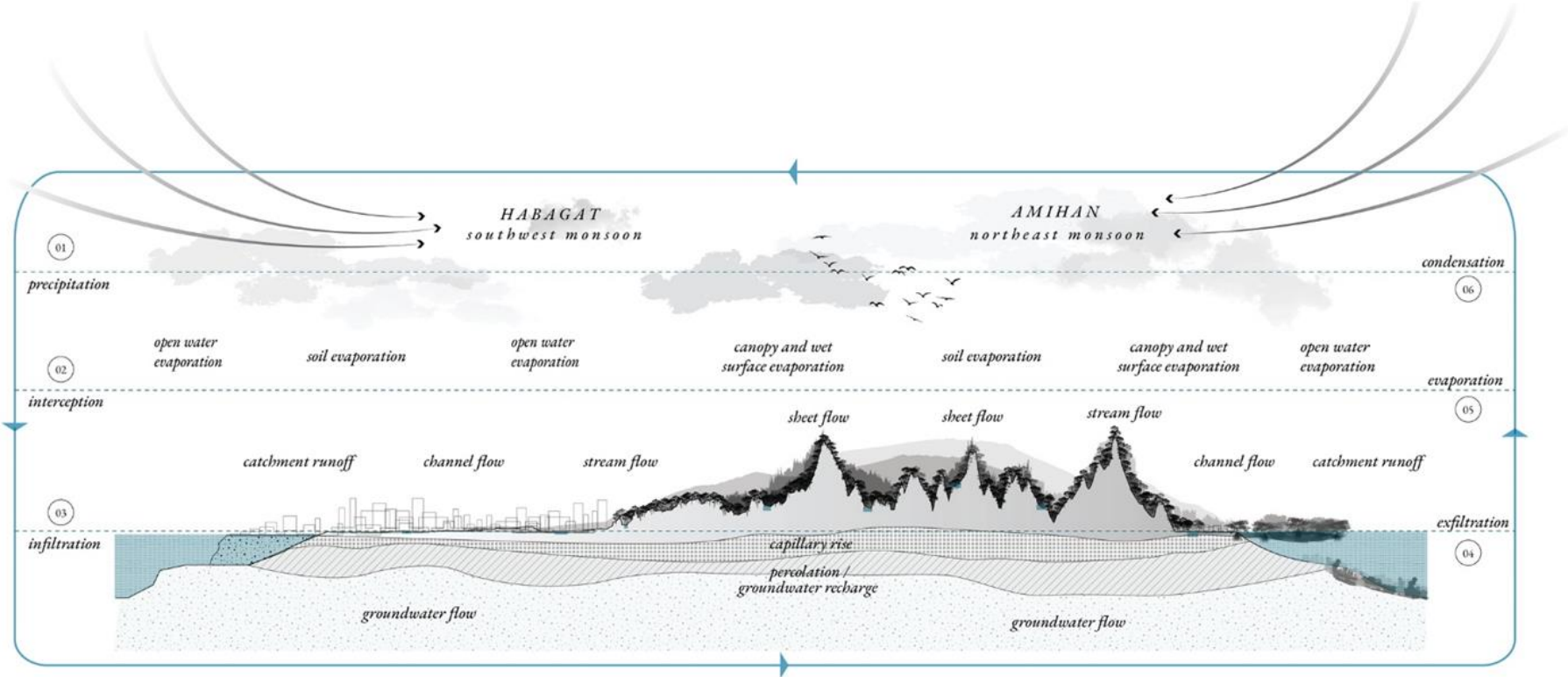
The River Interface
The Unit



- river basin tributaries
- ancestral domain delineation
- critical watershed

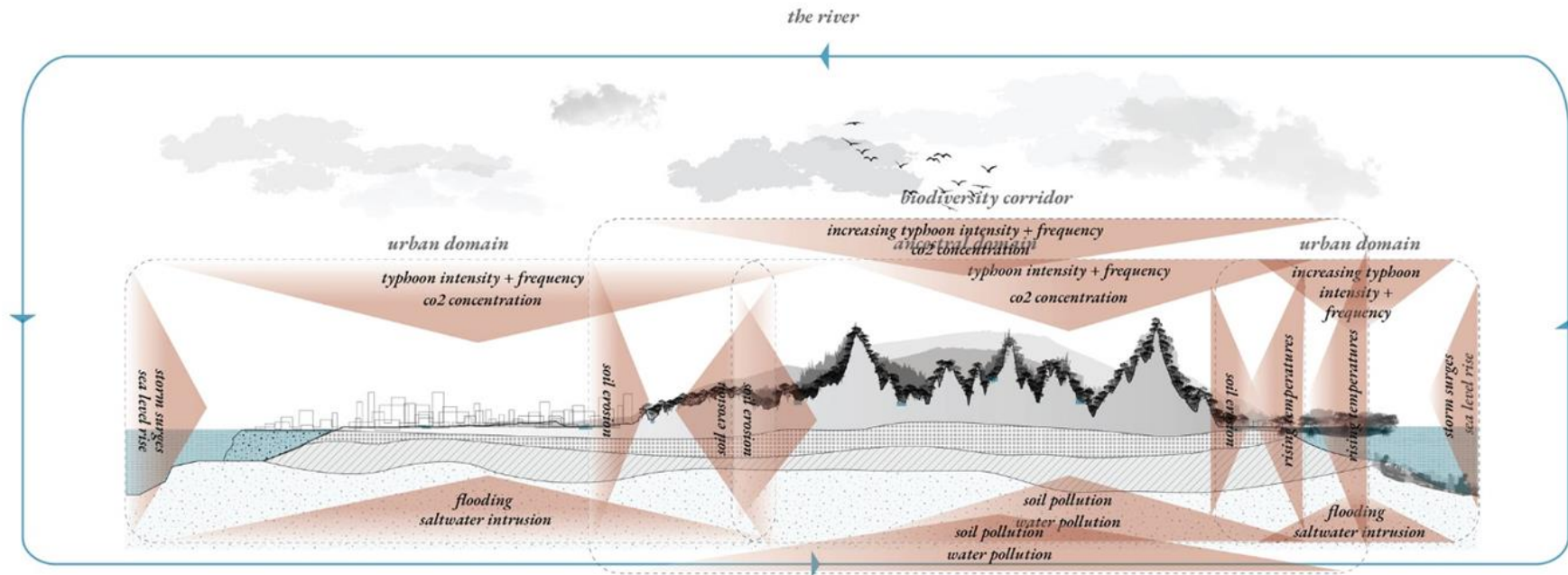


The River Interface
The Unit

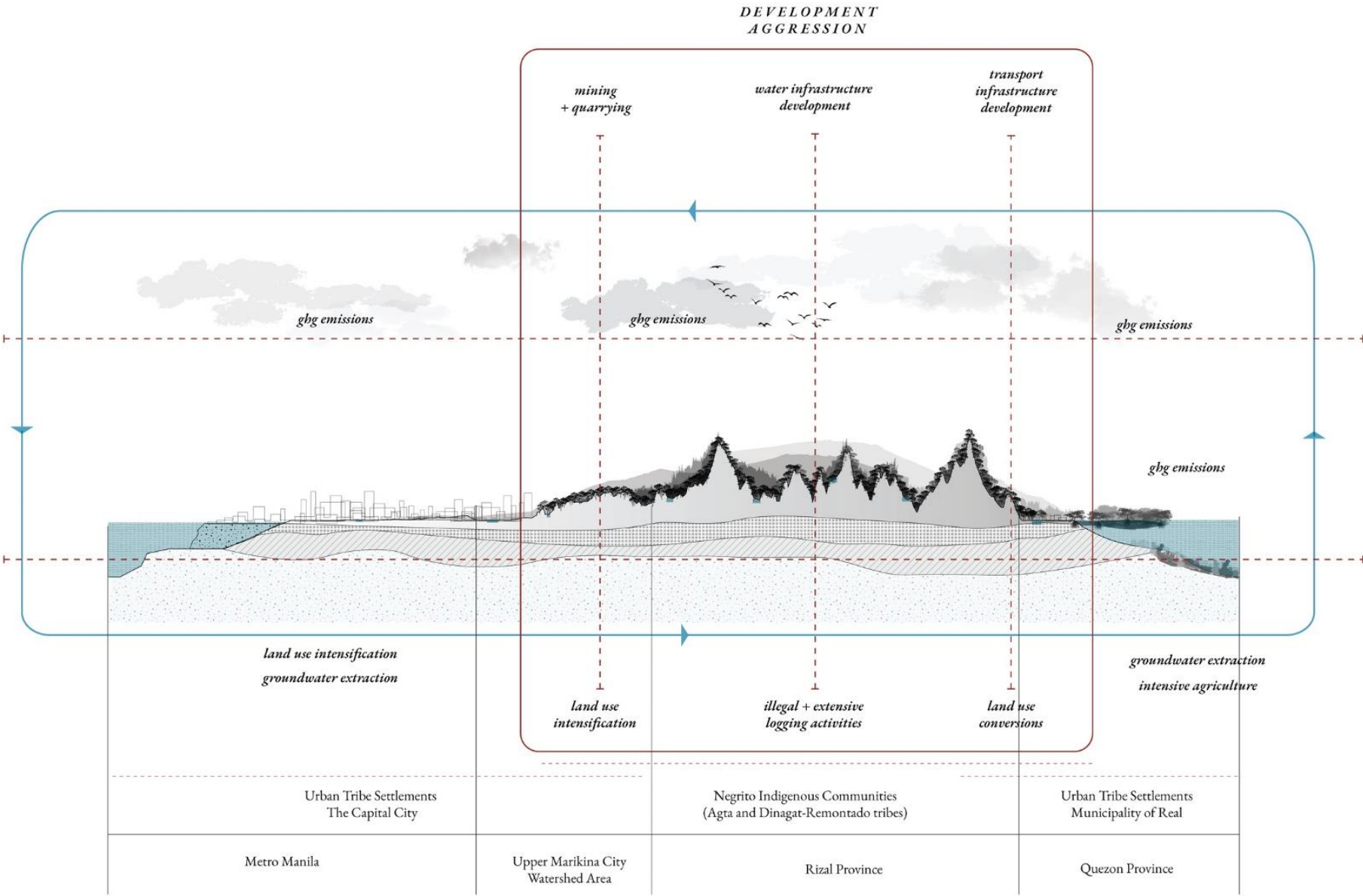


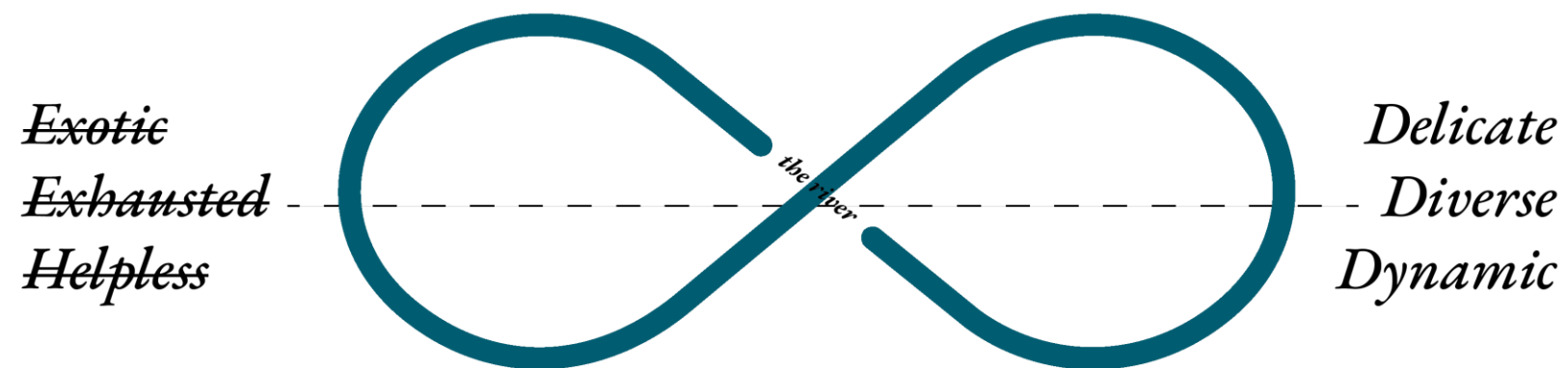
The River Interface

The Unit

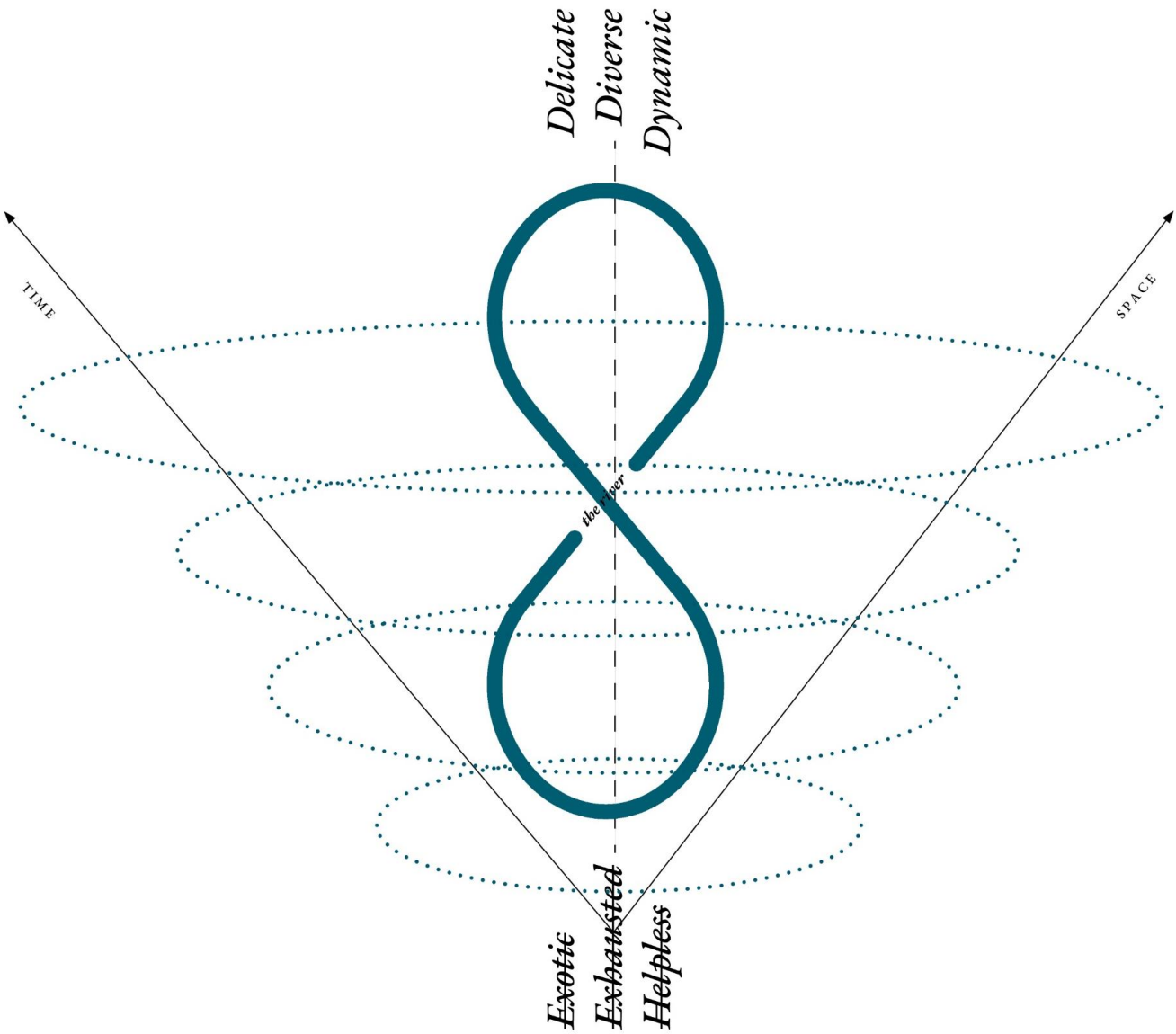


The River Interface
The Unit





The River Interface
The Projection

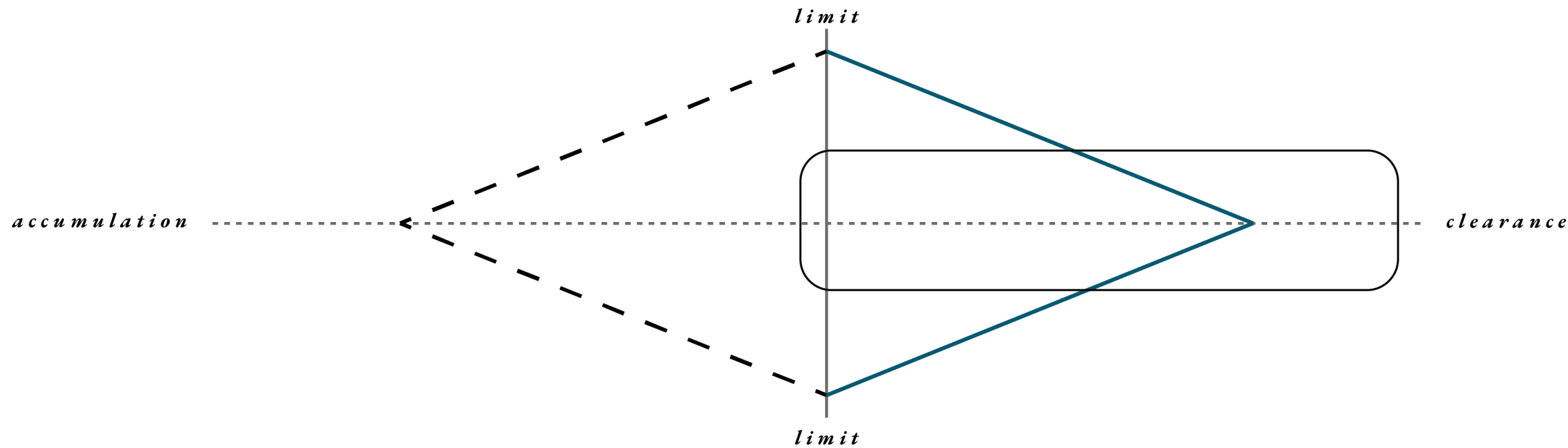


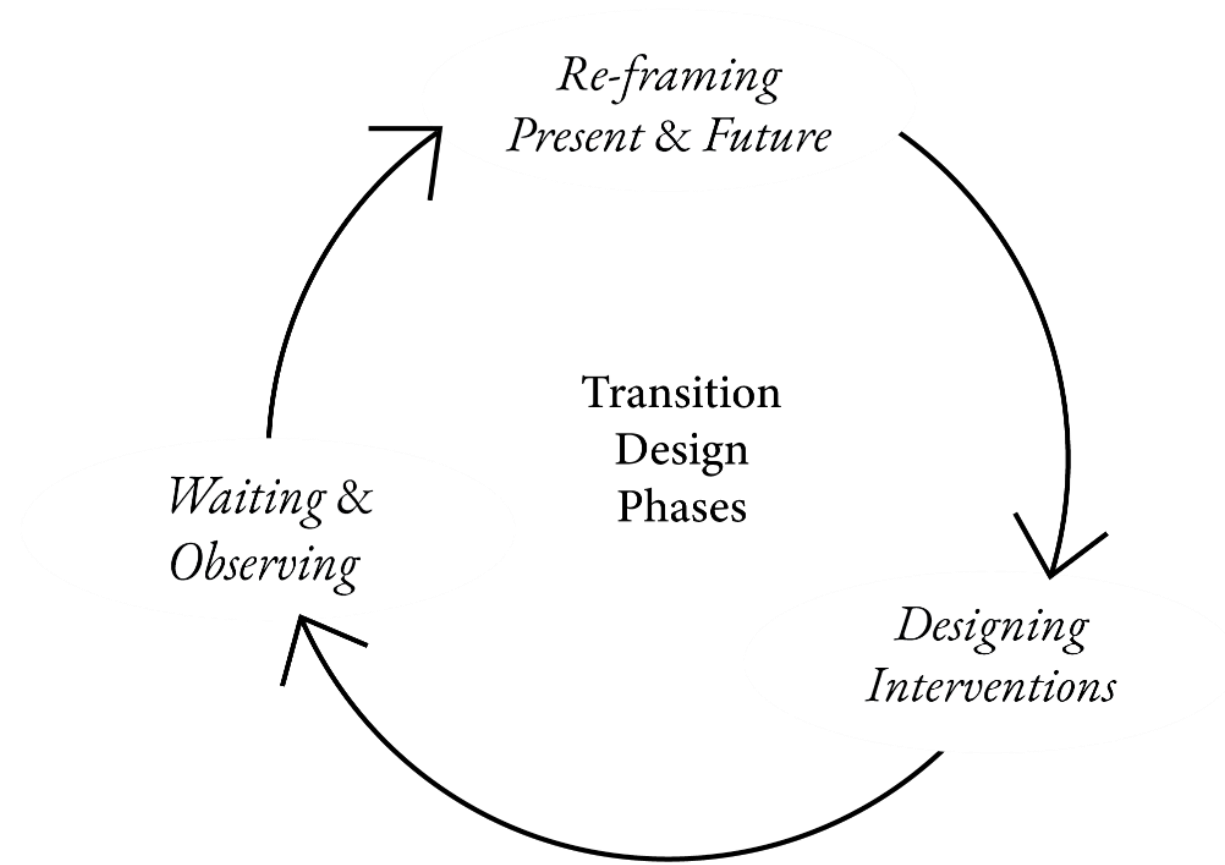
As an archipelagic territory composed of multiplicities — identities, resources, and risks — pressured by a homogenizing and centralized development paradigm, how can the Philippines prevail from the effects of the climate crisis through a transitional and renewed co-management regime of the river, restoring the spiritual continuum between human and nature ?

a future

What more can we become?

The Path to Clearance

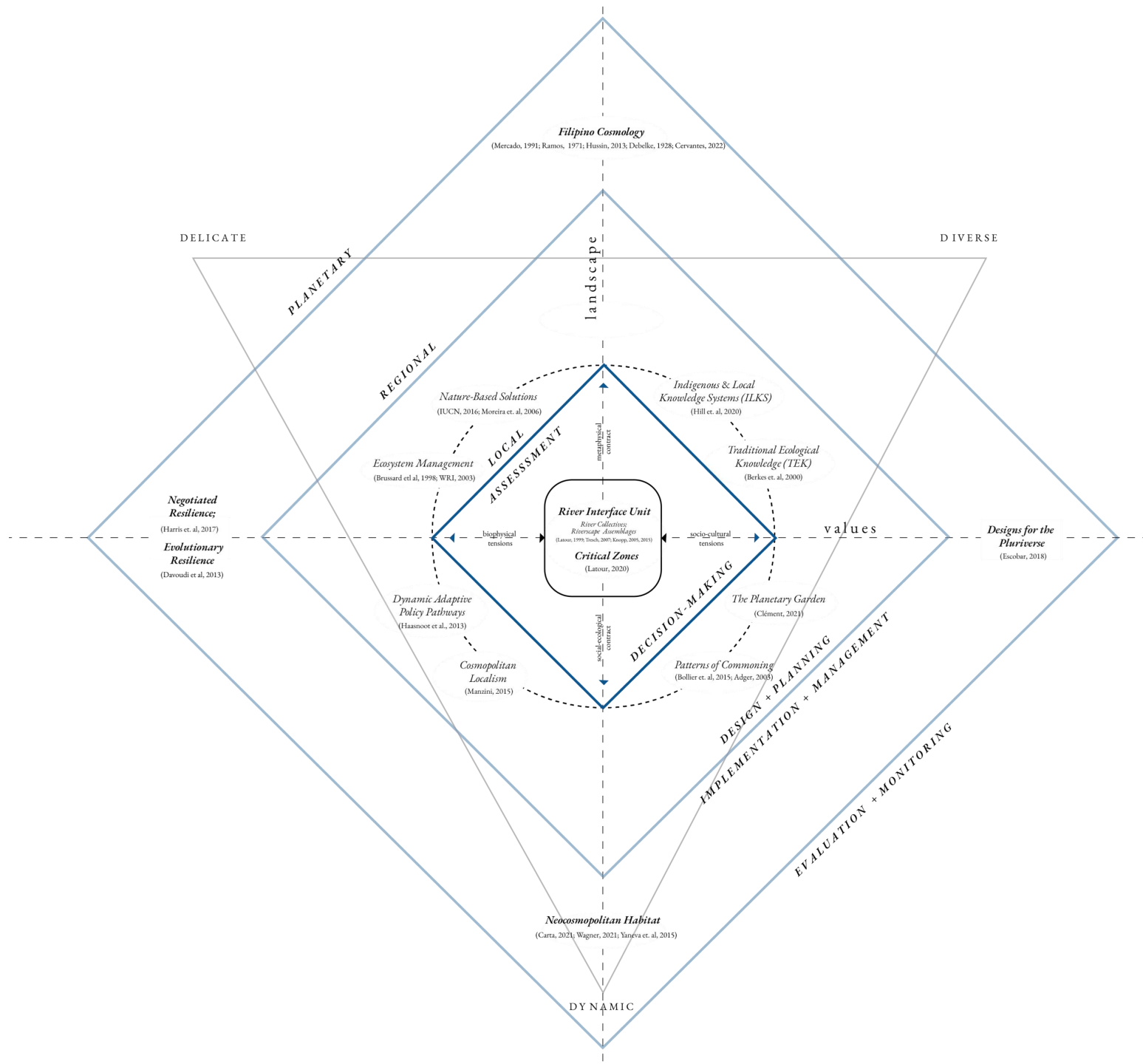


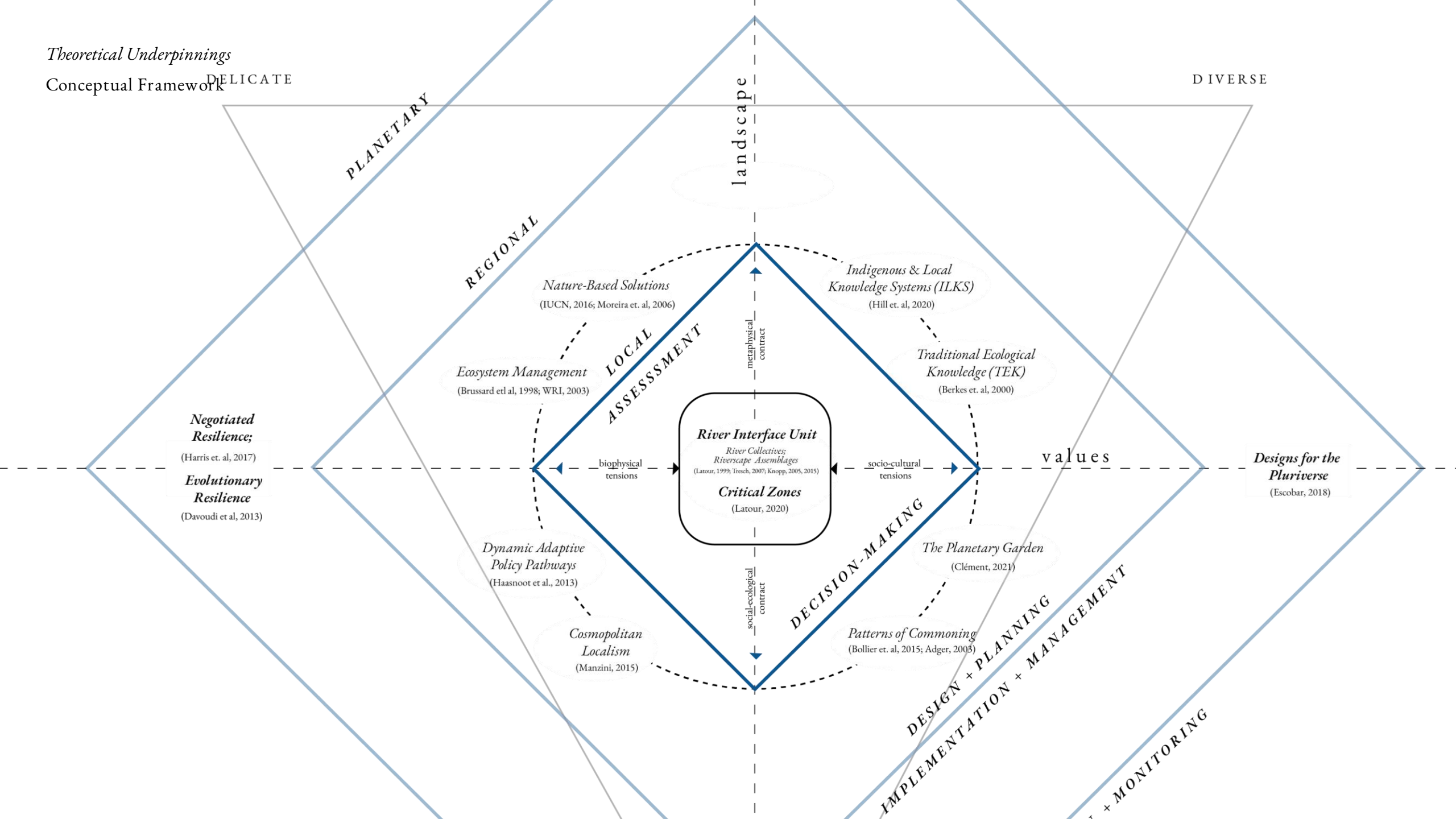


The Three Phases of Transitional Design Process

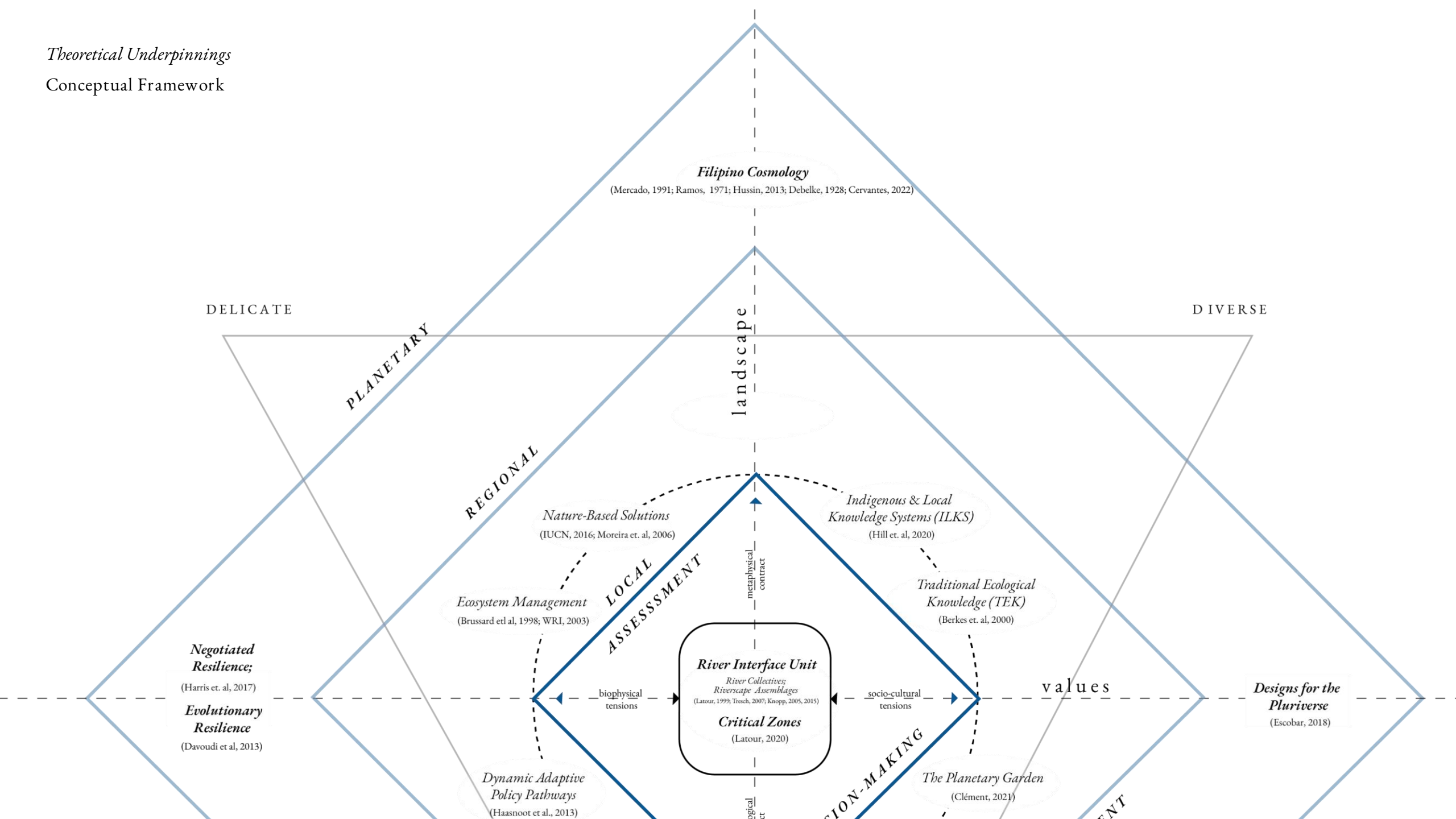
Theoretical Underpinnings

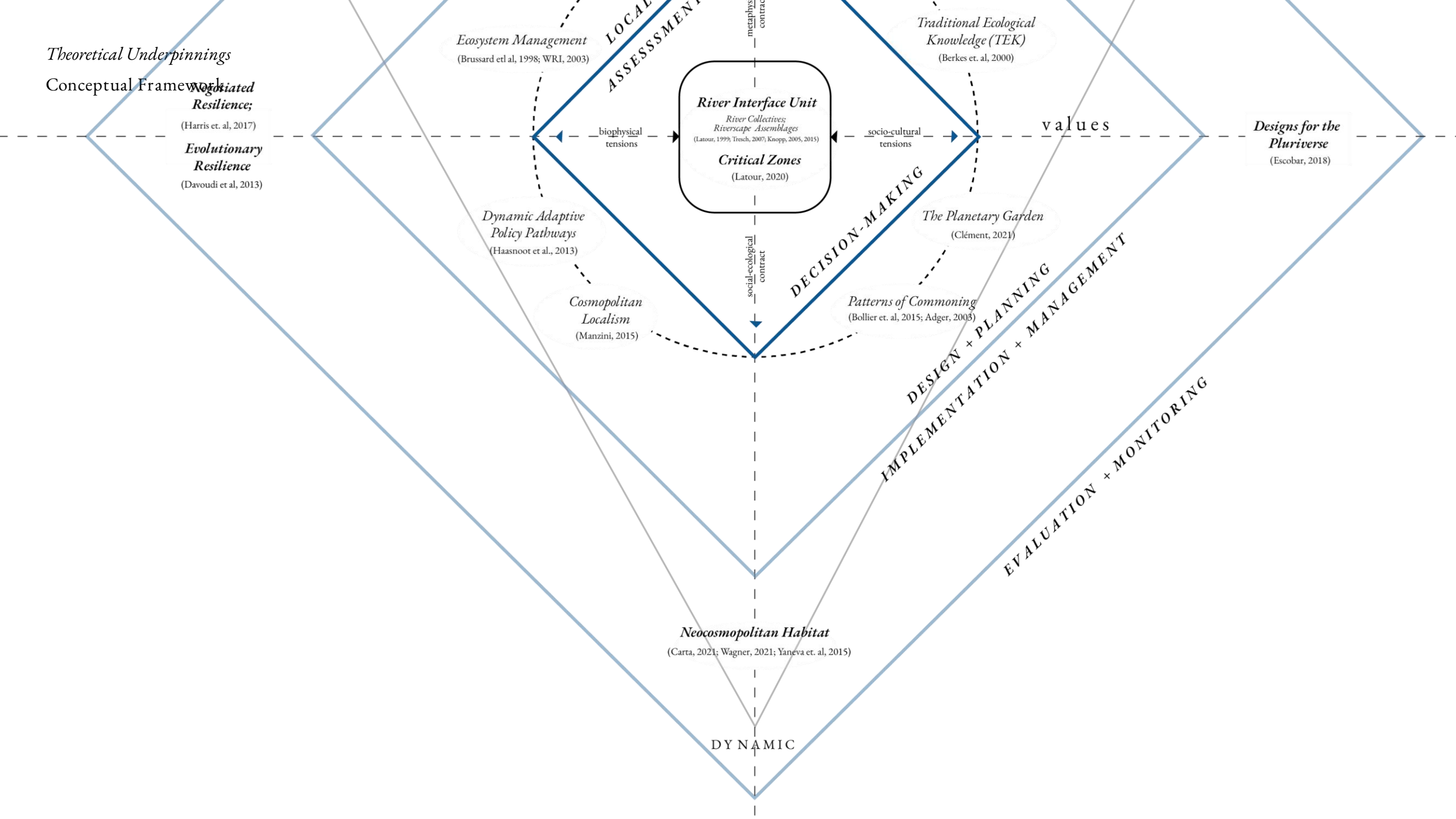
Conceptual Framework





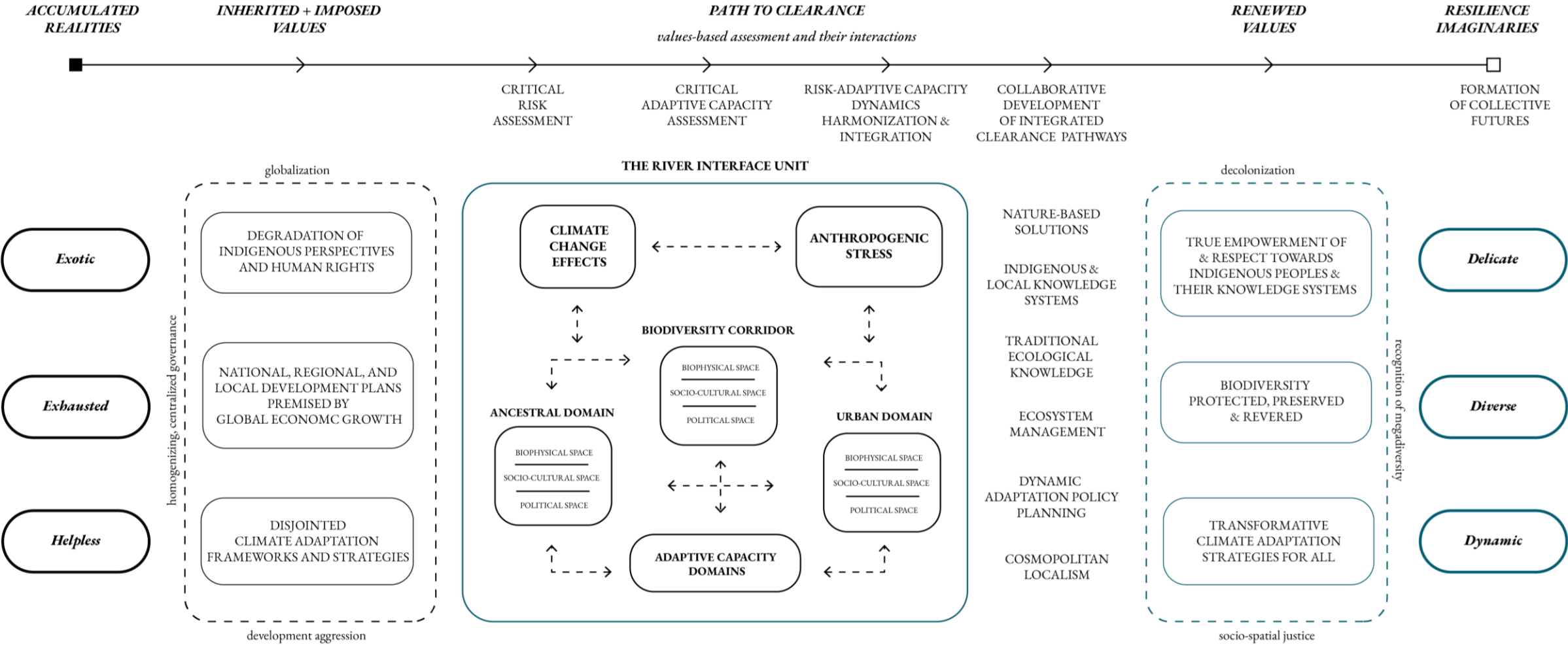
Theoretical Underpinnings
Conceptual Framework





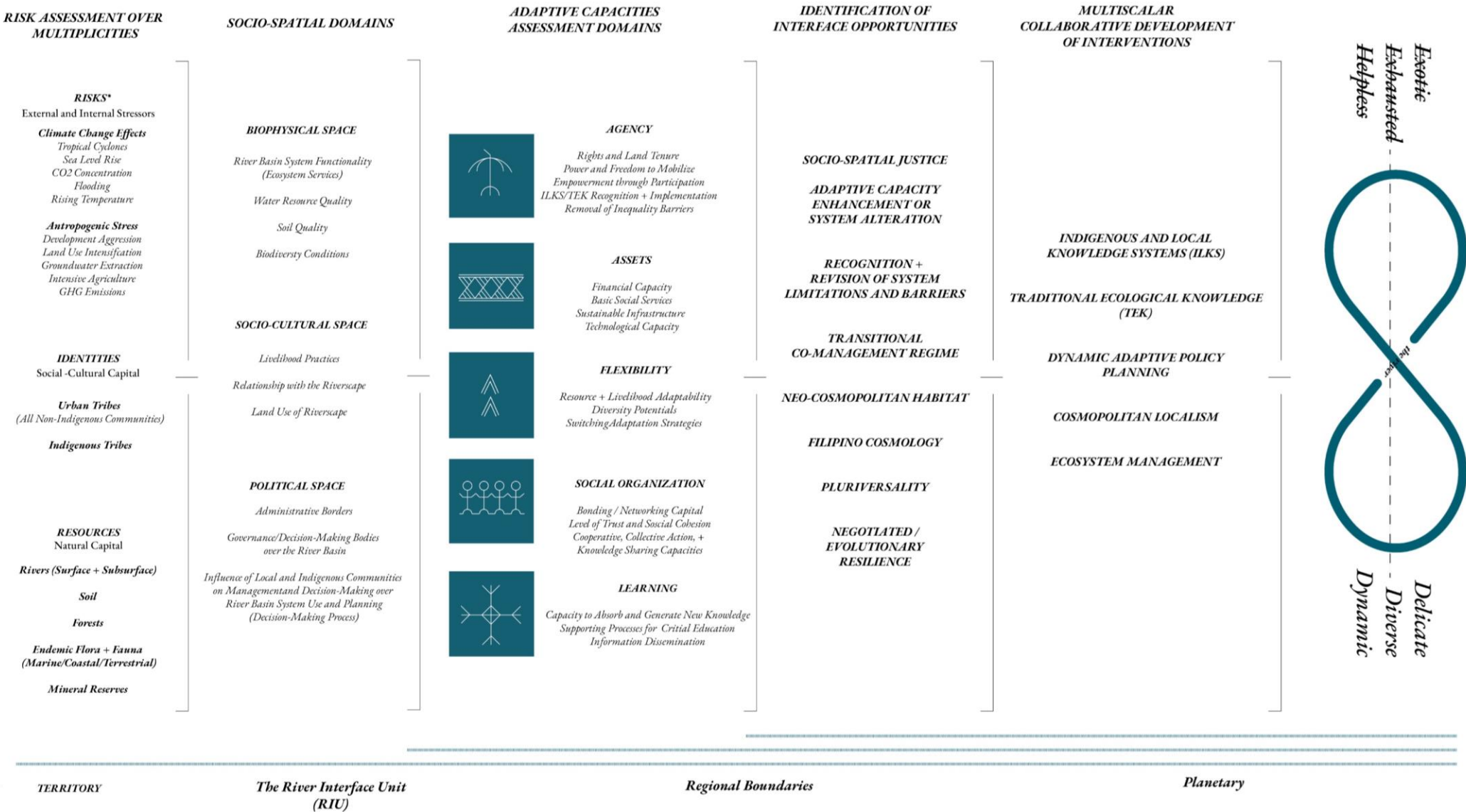
The Path to Clearance

Conceptual Design Approach Framework



The Path to Clearance

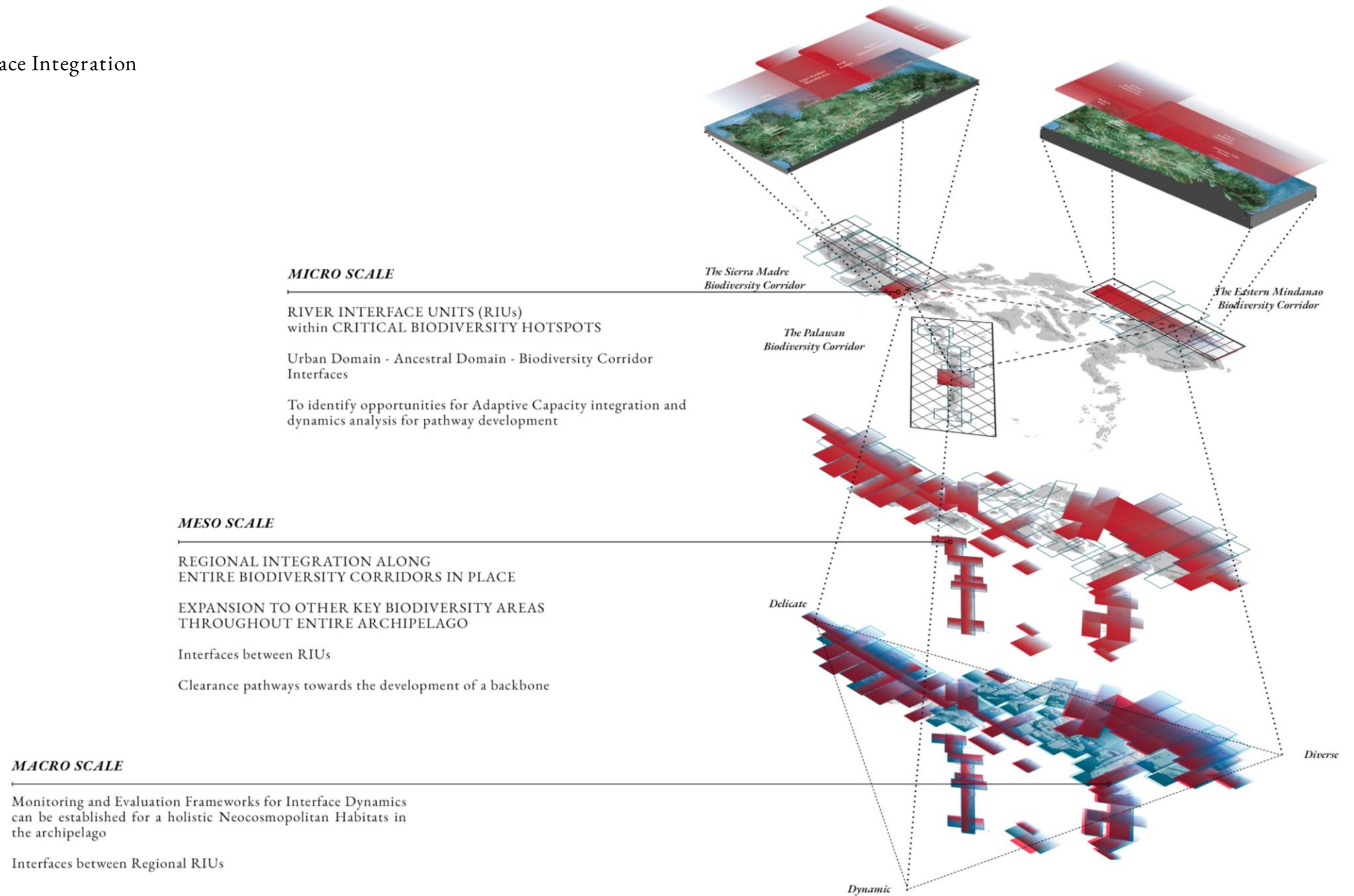
Conceptual Design Approach Framework



To create and propose a renewed transitional model for integrative ‘planning’ with the River Interface Unit (RIU) as the fundamental scale of inquiry that can allow for a new form of evolutionary resilience to emerge as negotiated in a participatory and collaborative process that would reveal Clearance Pathways towards a decolonized and collective future for the Philippine Archipelago, potentially restoring the social-ecological continuum between human and nature, and with it, the values of socio-spatial justice and the engaged recognition of pluriversality.

Hypothesis

Multi-scalar River Interface Integration



Hypothesis

Continuum Restoration



We must imagine the future together.

**a river interface
narrative**

A River Interface Narrative
An Intimate Analytical Tool

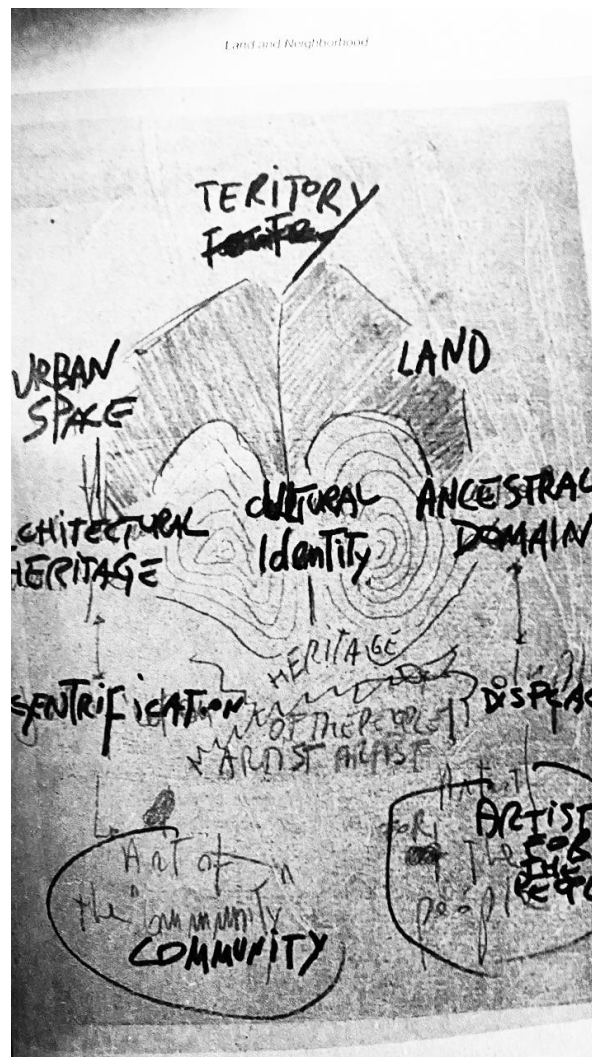
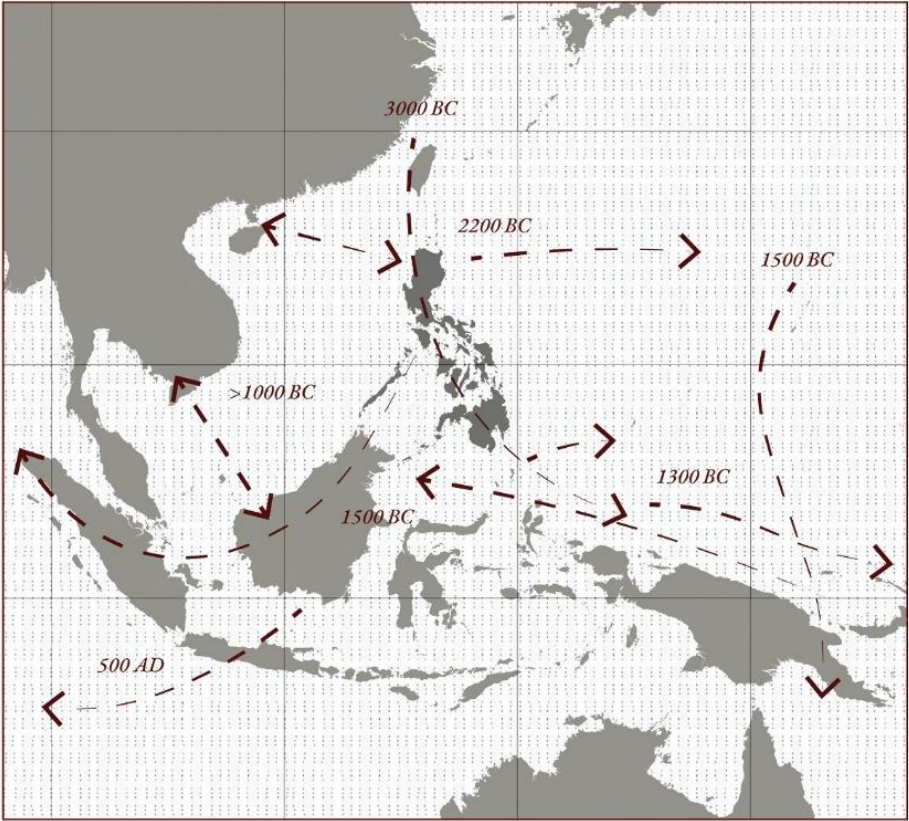


Diagram of Art-Urban Space-Ancestral Domain-Territory

© Land and Neighborhood Zine (2023)

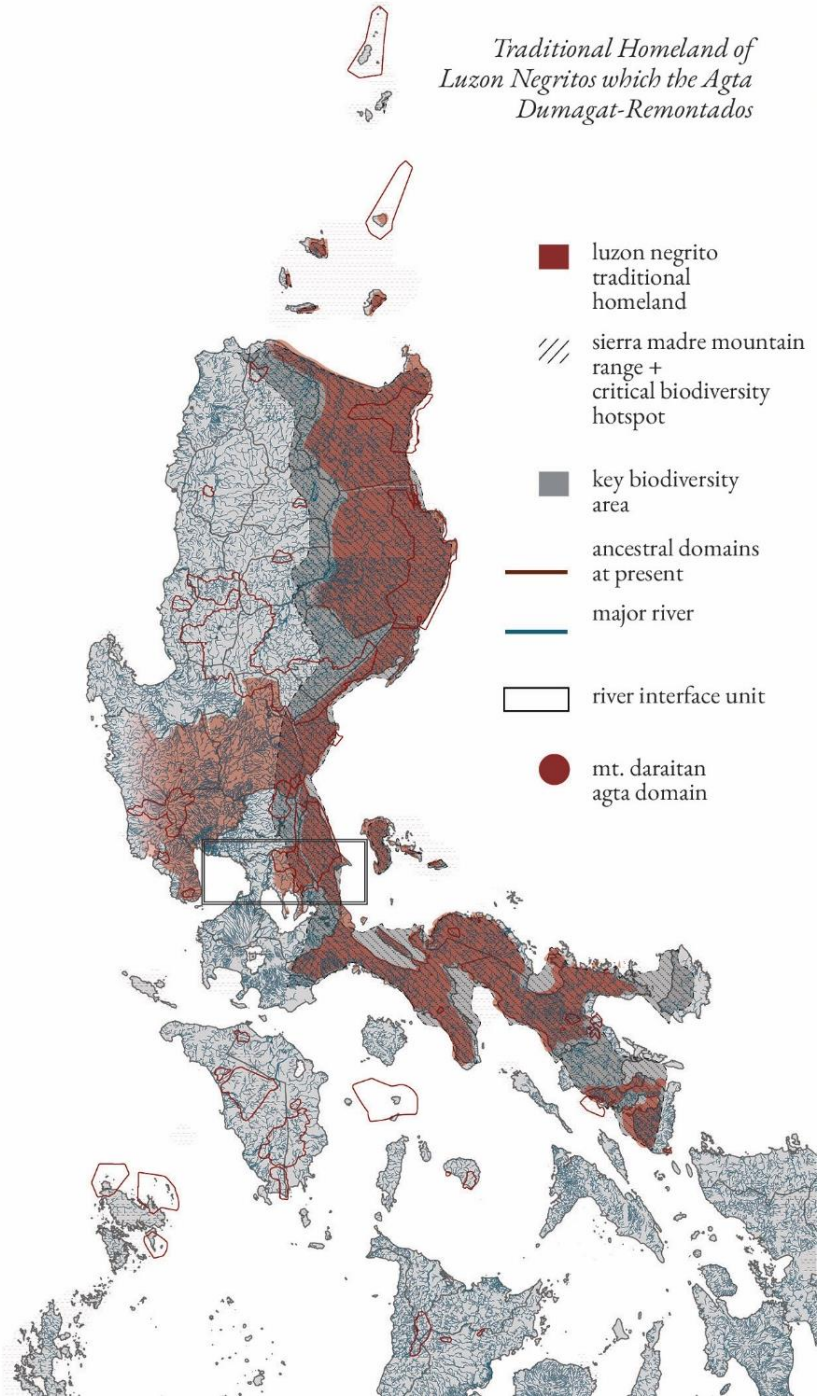
A River Interface Narrative
The Agta (Dumagat-Remontado)



Australoid Migration in Southeast Asia



N



A River Interface Narrative
The Agta (Dumagat-Remontado)

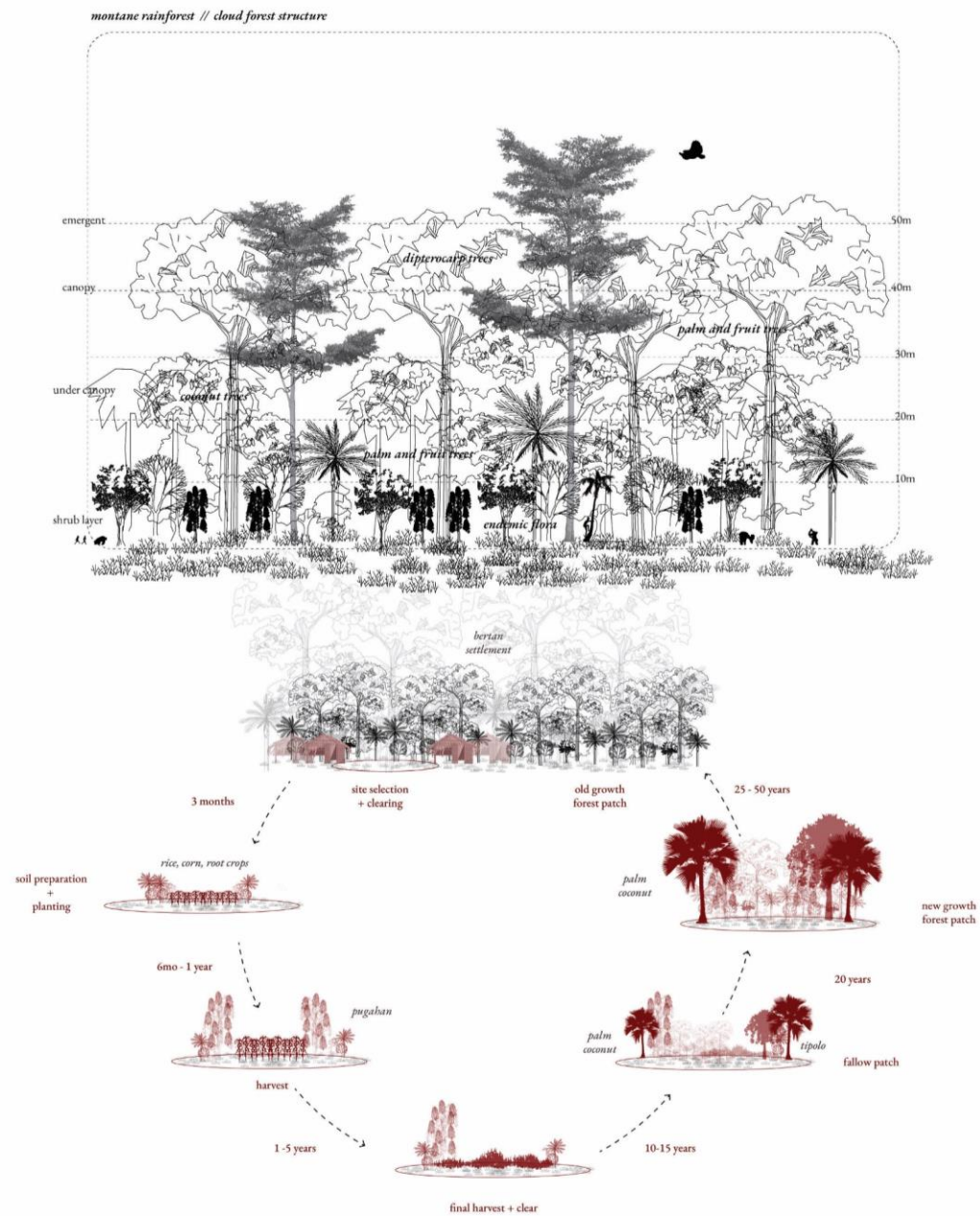


A River Interface Narrative
The Agta (Dumagat-Remontado)

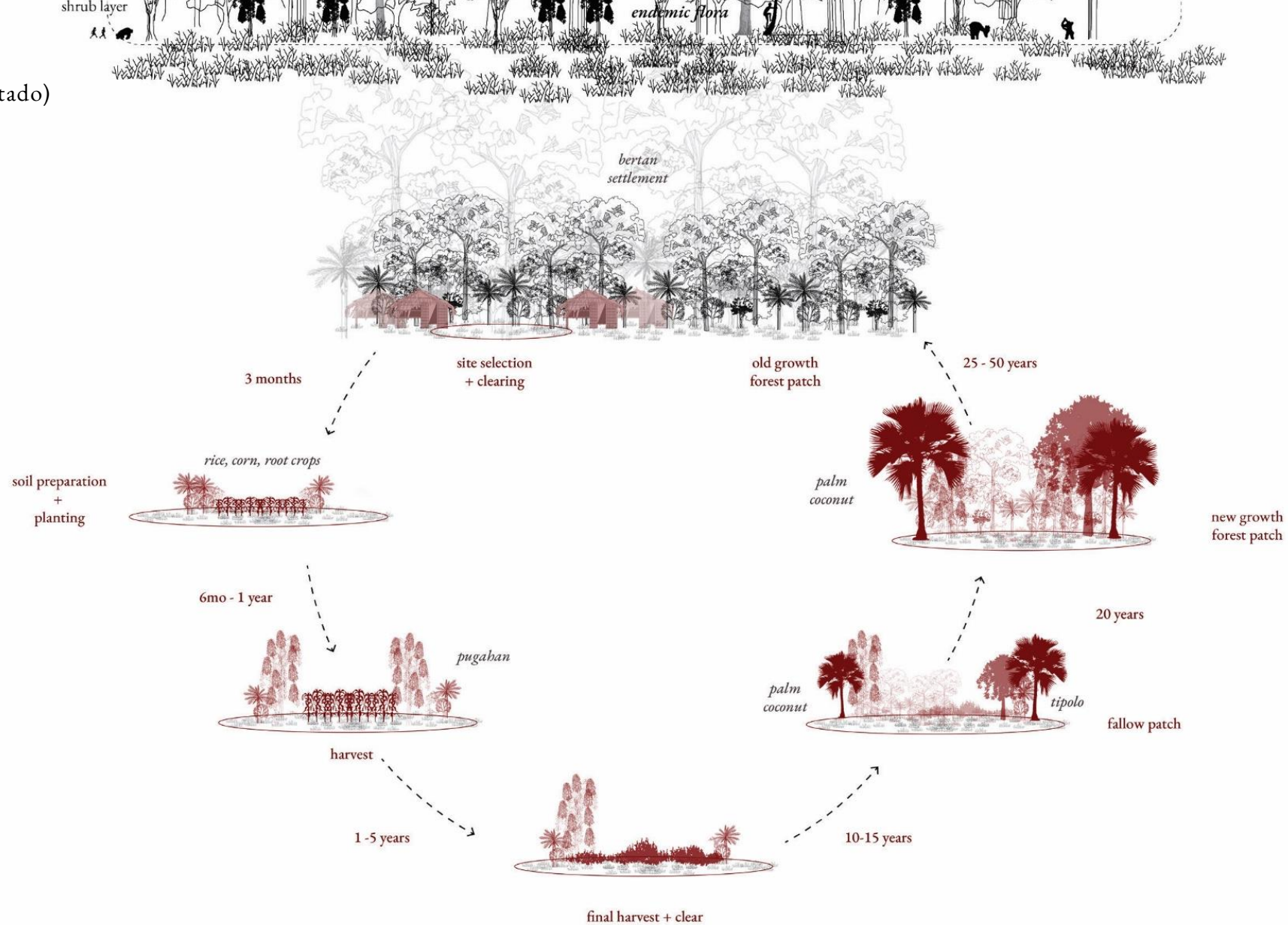


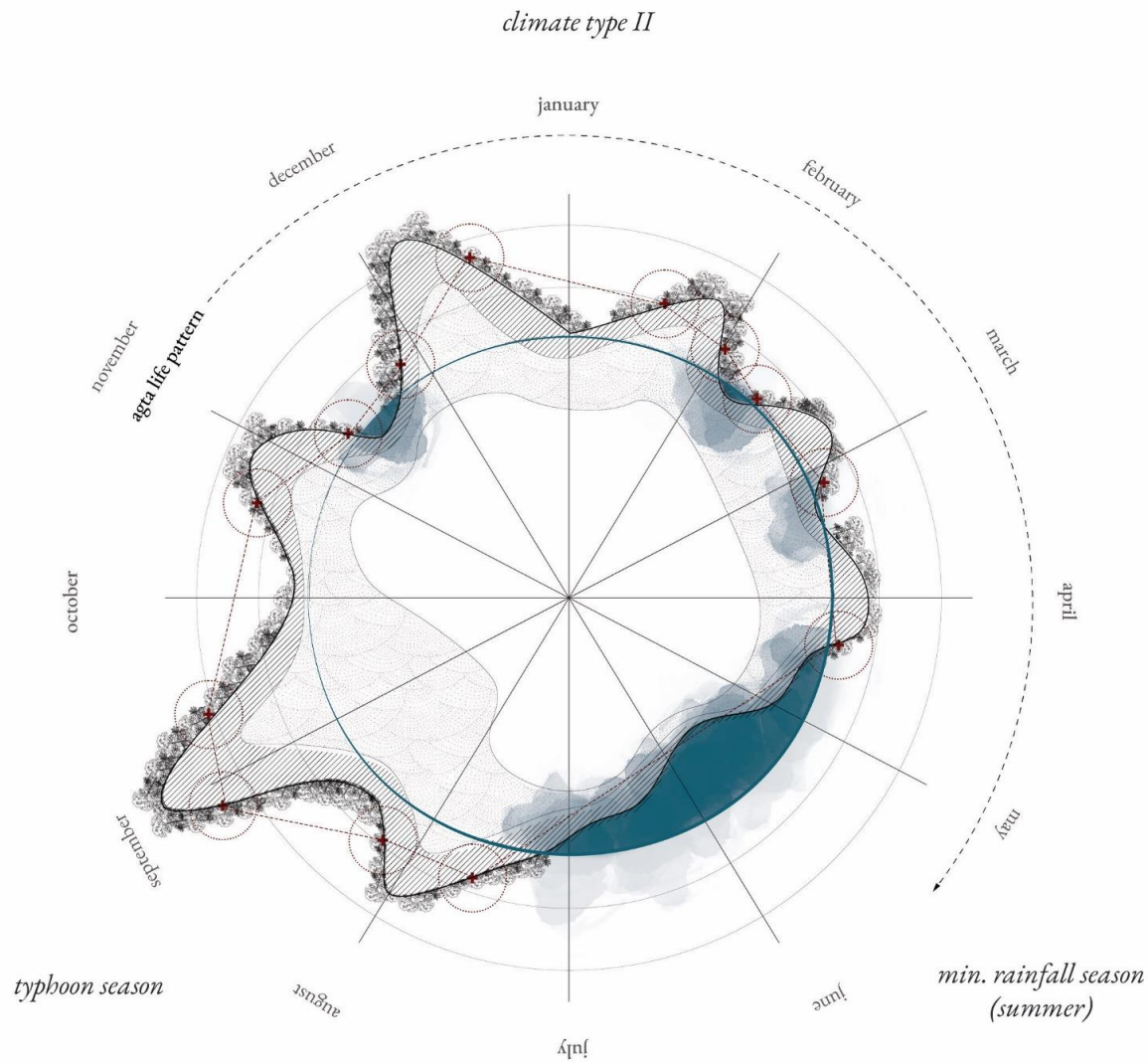
*View of the Sierra Madre Mountain Range from the peak of Mt. Daraitn within the Ancestral Domain of the Agta (Dumagat-Remontado) Communities of Rizal Province
Daraitan, Rizal Province, Philippines
© author (2023)*

A River Interface Narrative
The Agta (Dumagat-Remontado)



A River Interface Narrative
The Agta (Dumagat-Remontado)





Agta (Dumagat Remontado) Life Pattern following
Nature's Yearly Climatic Cycles

A River Interface Narrative
The Agta (Dumagat-Remontado)

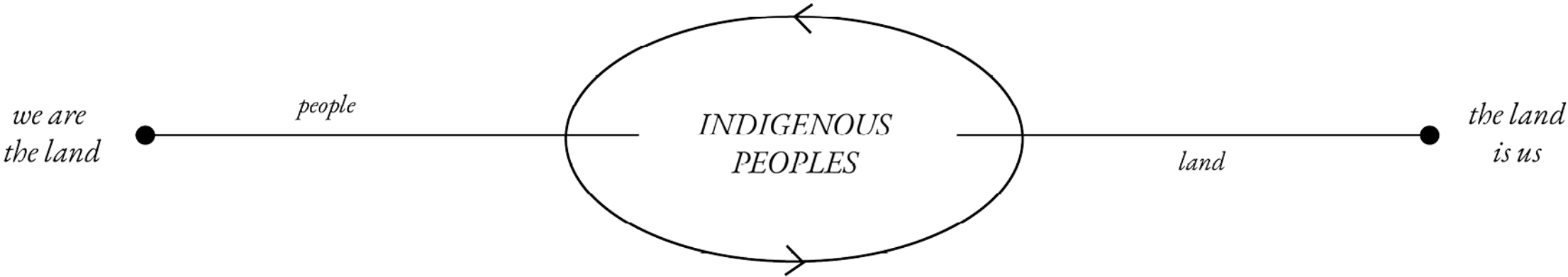


*Kuya Rizal, a Dumagat-Remontado Tribe member working as a Mountain Guide poses amidst the cloud montane forest of Mt. Daraitan where the Kalina Watershed and the Sierra Madre Mountain Range converge
Daraitan, Rizal Province, Philippines
© author (2023)*

A River Interface Narrative
The Agta (Dumagat-Remontado)



*They are the land.
They are the river.
They are nature.*



A River Interface Narrative
The Agta (Dumagat-Remontado)

TO ENRICH

local customs
aesthetic value
spiritual value

The Rainforest

VALUES IN THE RIVERSCAPE
physical manifestations

RIVER + FOREST TOPOGRAPHY
BIODIVERSITY
CLIMATE PATTERNS

SACRED SITES
SUSTAINABLE LIVELIHOOD PRACTICES

SETTLEMENTS BY RIVER
CHILDHOOD/EDUCATION DEFINED BY FOREST

POSTERITY
OF LAND + SELF



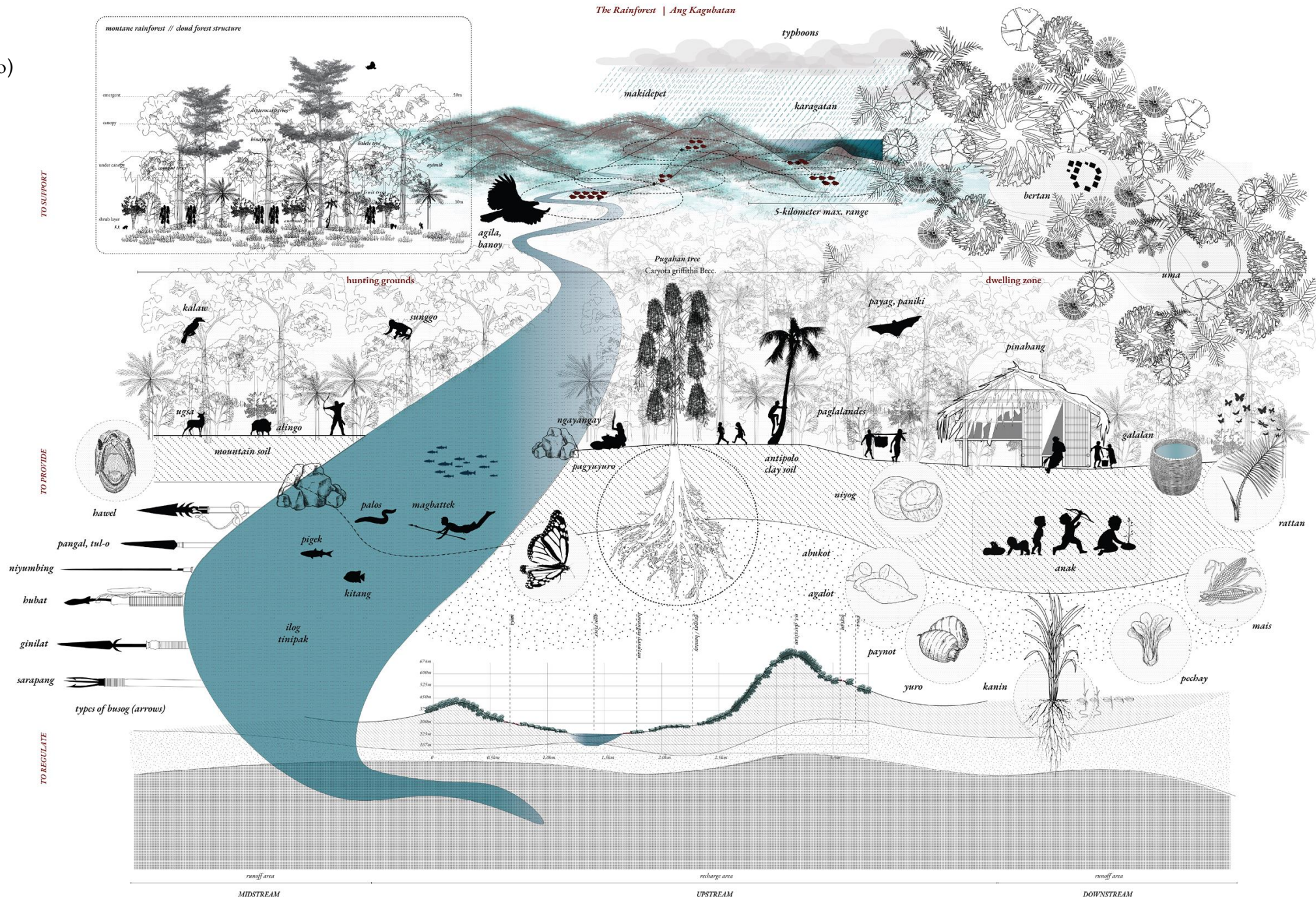
knowledge

spirituality

community

well-being

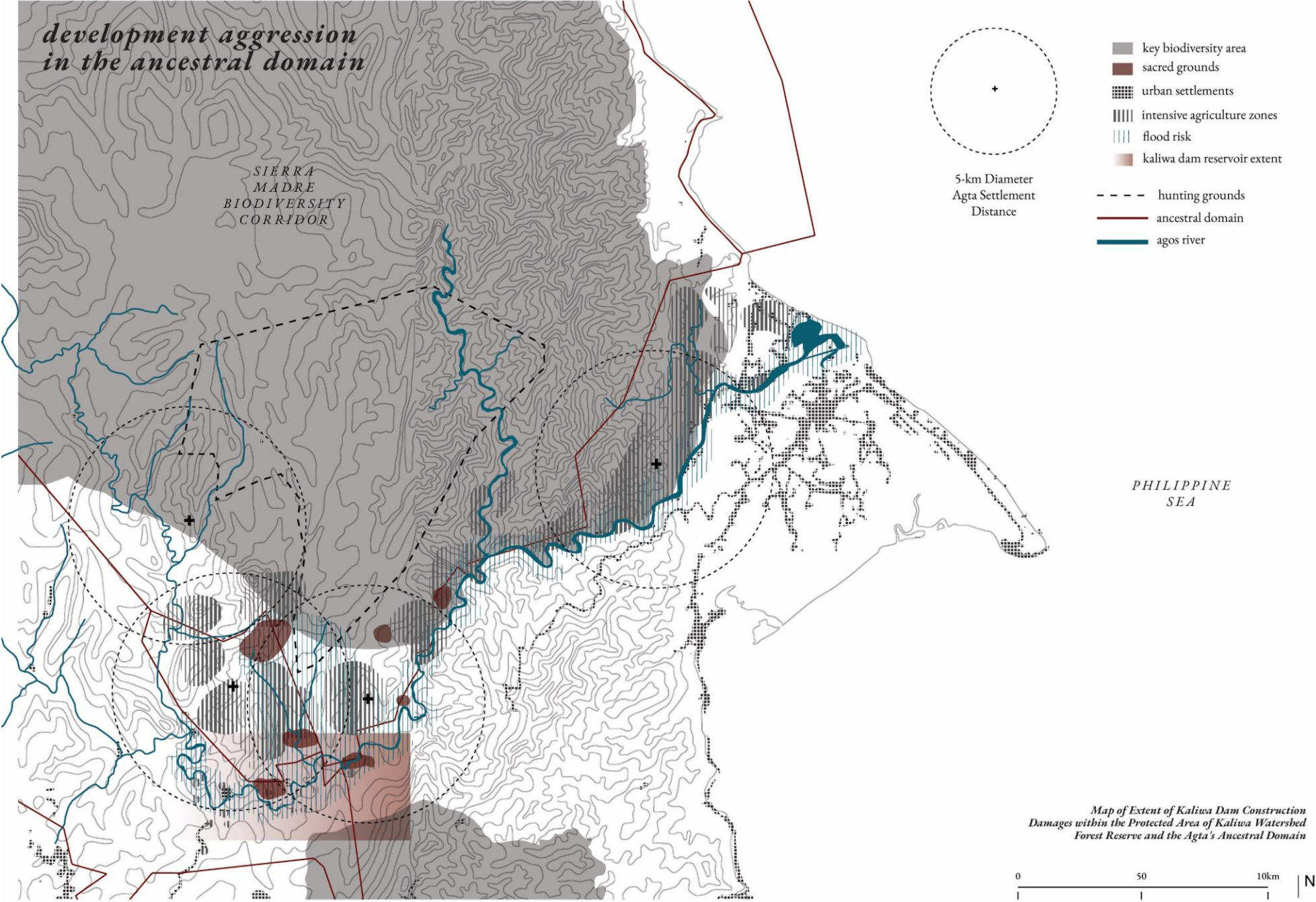
A River Interface Narrative
The Agta (Dumagat-Remontado)



A River Interface Narrative
The Agta (Dumagat-Remontado)



A River Interface Narrative
The Agta (Dumagat-Remontado)



“

Pamana ni Bobong Laki ki Bobo a Gupad

I

Pagsiket nun hari a adow
Binogbog ko mangapo ko
Gumiyos kamo de ta lalaweg tam
Un buko patun tages a tinudo nun bobo ko

II

Apon apon nun dumatung kami
De beloy a untik de gitna ne bukod
Dumen masayein a eyen ti problima at sagina

III

Nun lumipes e adow hinanap ko
Pangumeden ko un pamana ni bobo ko
ay ankod pikita

IV

Kaye sabi ni puso ino kayye lapestangen ino kayye
anti kalbi namugtos nun kew ede pati umid a
pamana ni bobo.

I

*At sunrise
I woke up my grandchildren.
We will look for the tree where honey is kept
As instructed by my grandfather.*

II

*It was sunset when we arrived
At the humble shack nestled amid the mountains,
Where, once, we lived in joy and bounty.*

III

*Days passed and I looked for my pugaban.
The gift from grandfather
is gone.*

IV

*My heart cried out in pain, they have no respect
or mercy. They cut the trees and the pugaban,
the heritage from my grandfather.*

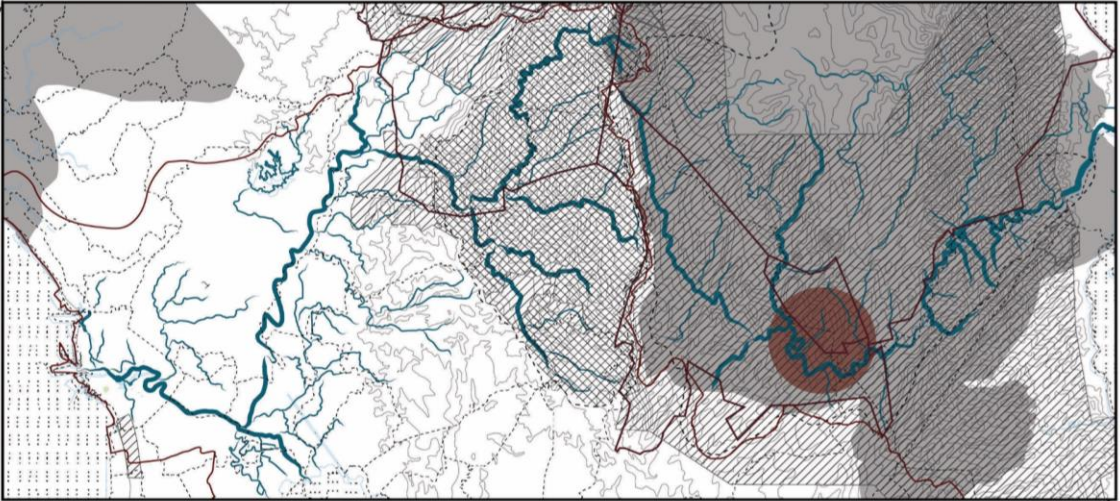
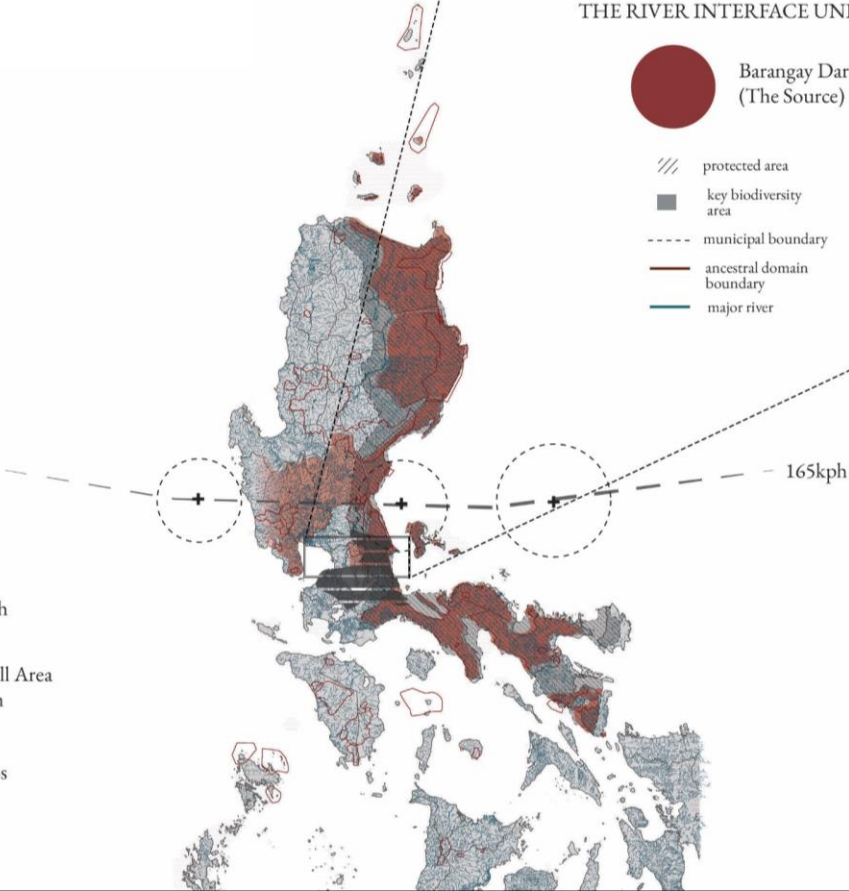
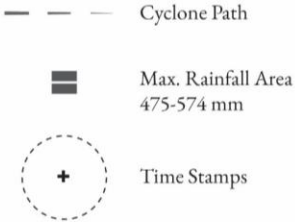
A River Interface Narrative
The Agta (Dumagat-Remontado)



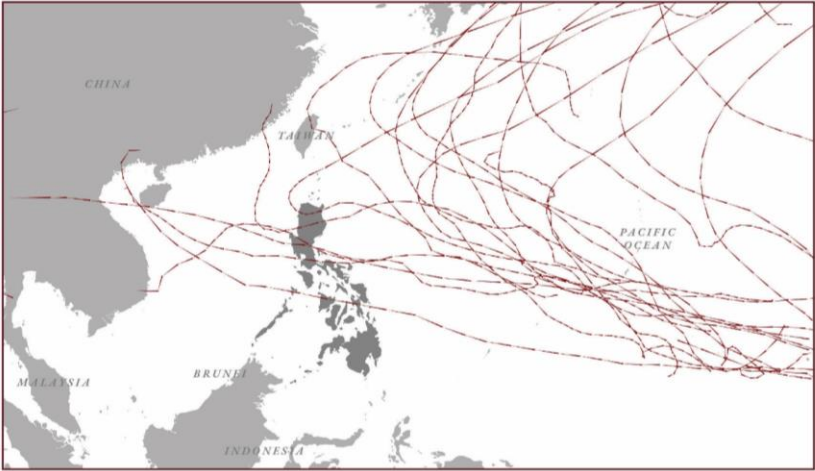
Agta (Dumagat-Remontando) Tribal Leaders in Protest of Kaliwa Dam Proceeding
Metro Manila, Philippines
© STOP Kaliwa Dam Organization (2023)

A River Interface Narrative
The Agta (Dumagat-Remontado)

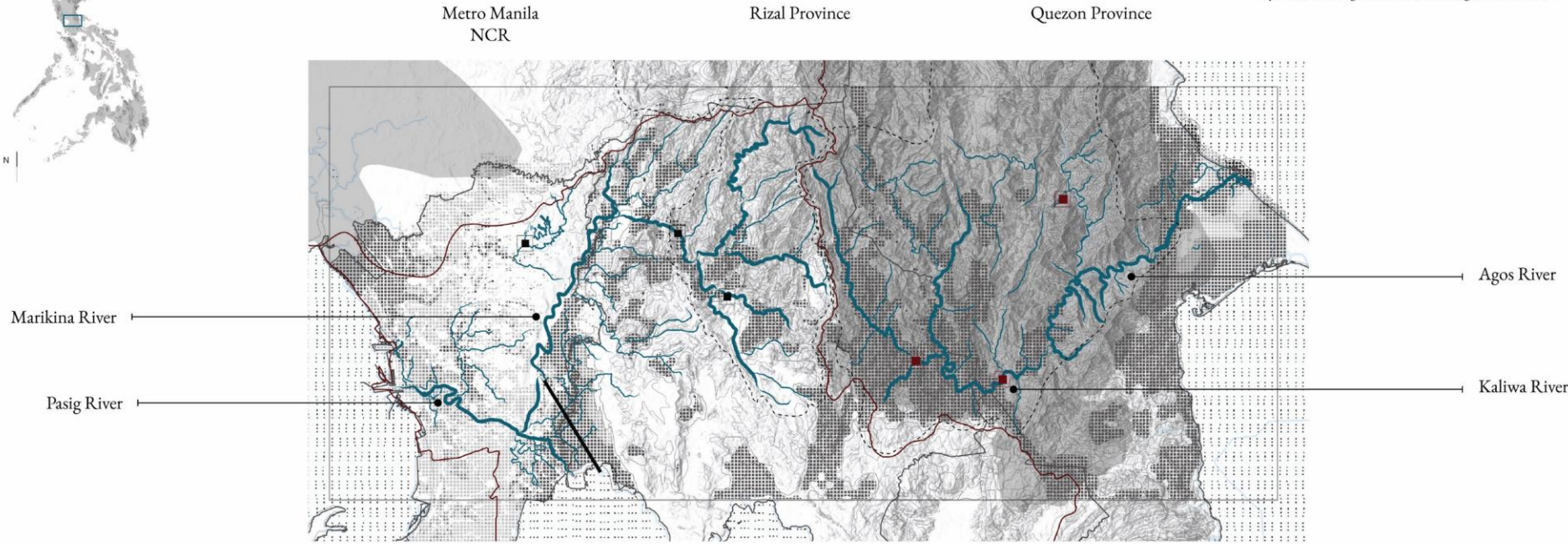
TYPHOON ONDOY
(2009)



HISTORIC STRONGEST CYCLONES PATHS

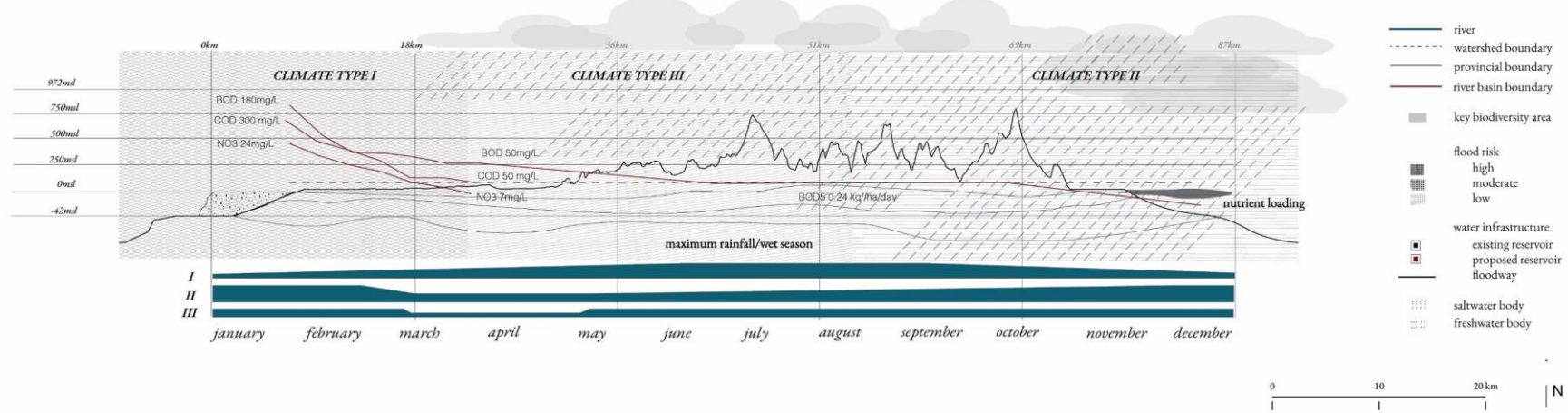


A River Interface Narrative
The Agta (Dumagat-Remontado)



The Water

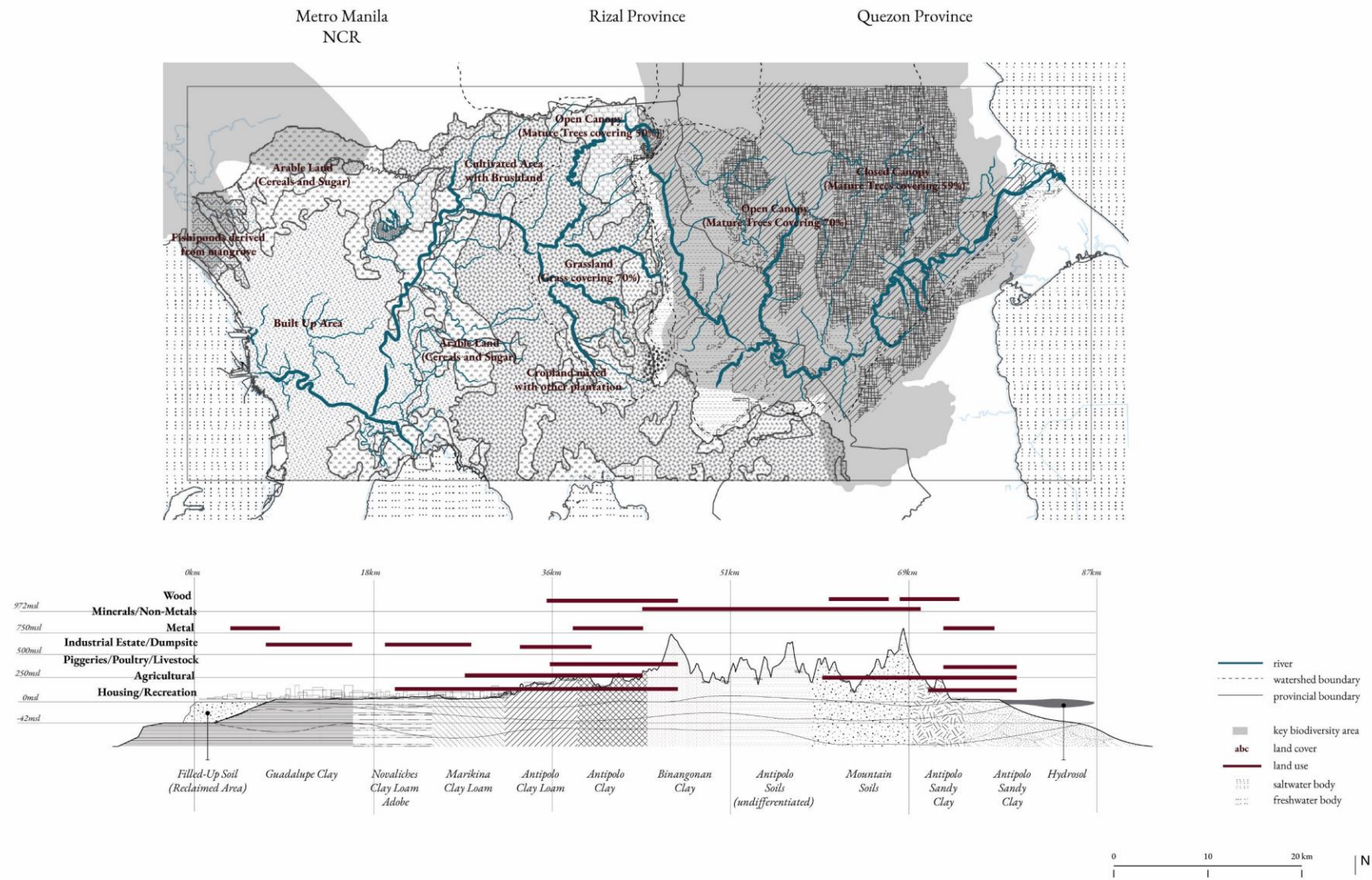
The River Interface Unit that holds the Pasig-Laguna-Marikina River Basin is a composition of 2 watersheds; the Kanan and the Kaliwa wherein the major tributary systems of the Agos, Kaliwa, Marikina, and Pasig River connect coast to coasts of the Philippine Sea (East), the Manila Bay (west), and the Laguna de Bay (South). Three climate types bisect this basin, receiving varying monsoonal patterns, sharing the risks of hydrometeorological hazards; flooding and landslides.



A River Interface Narrative
The Agta (Dumagat-Remontado)

The Soils

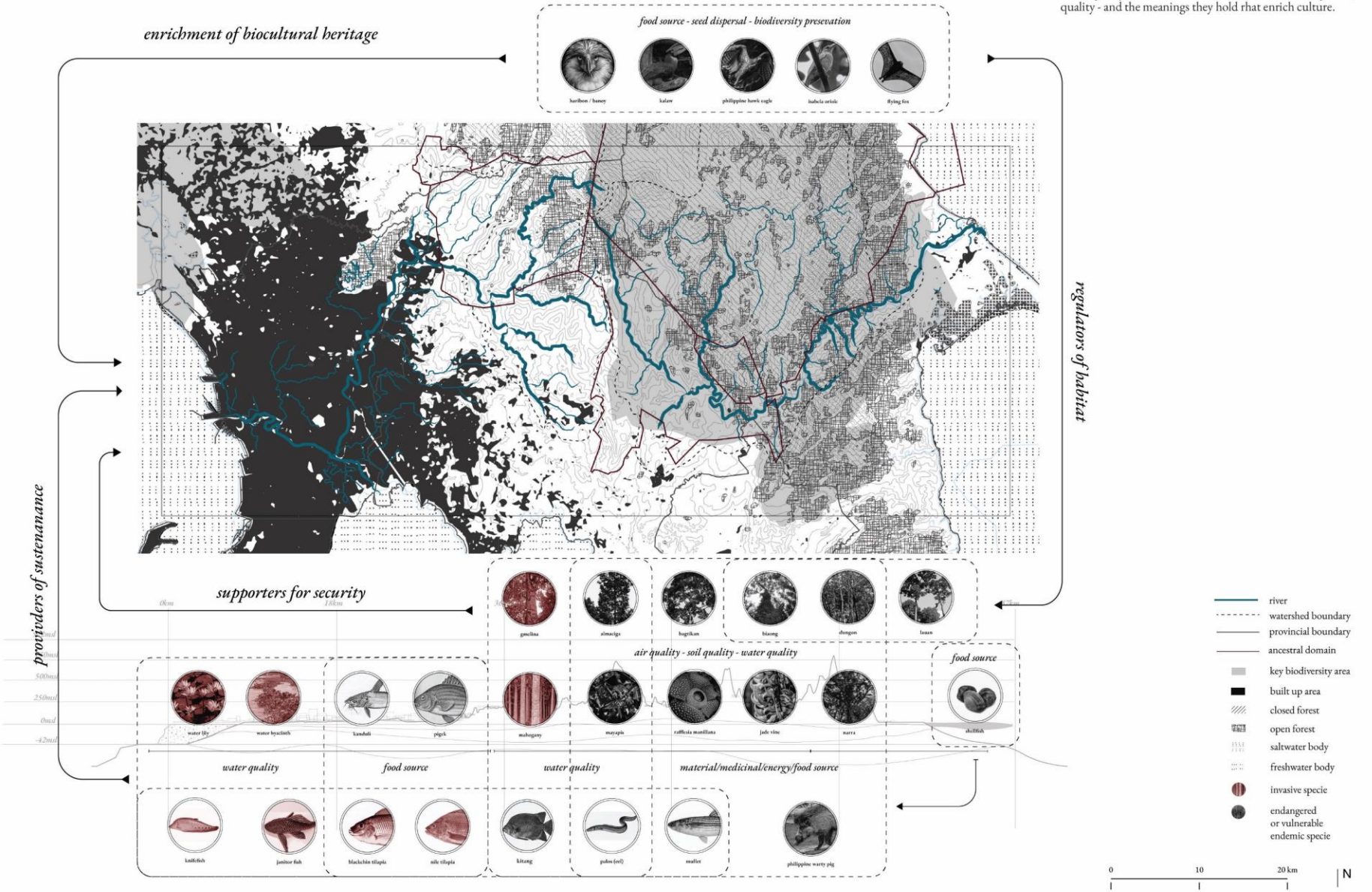
The soils of the River Interface vary as much as the land cover and their uses, defining the different resources planted, grown, mined, and pumped out and the livelihoods and cultures surrounding them.



A River Interface Narrative
The Agta (Dumagat-Remontado)

The Life Forms

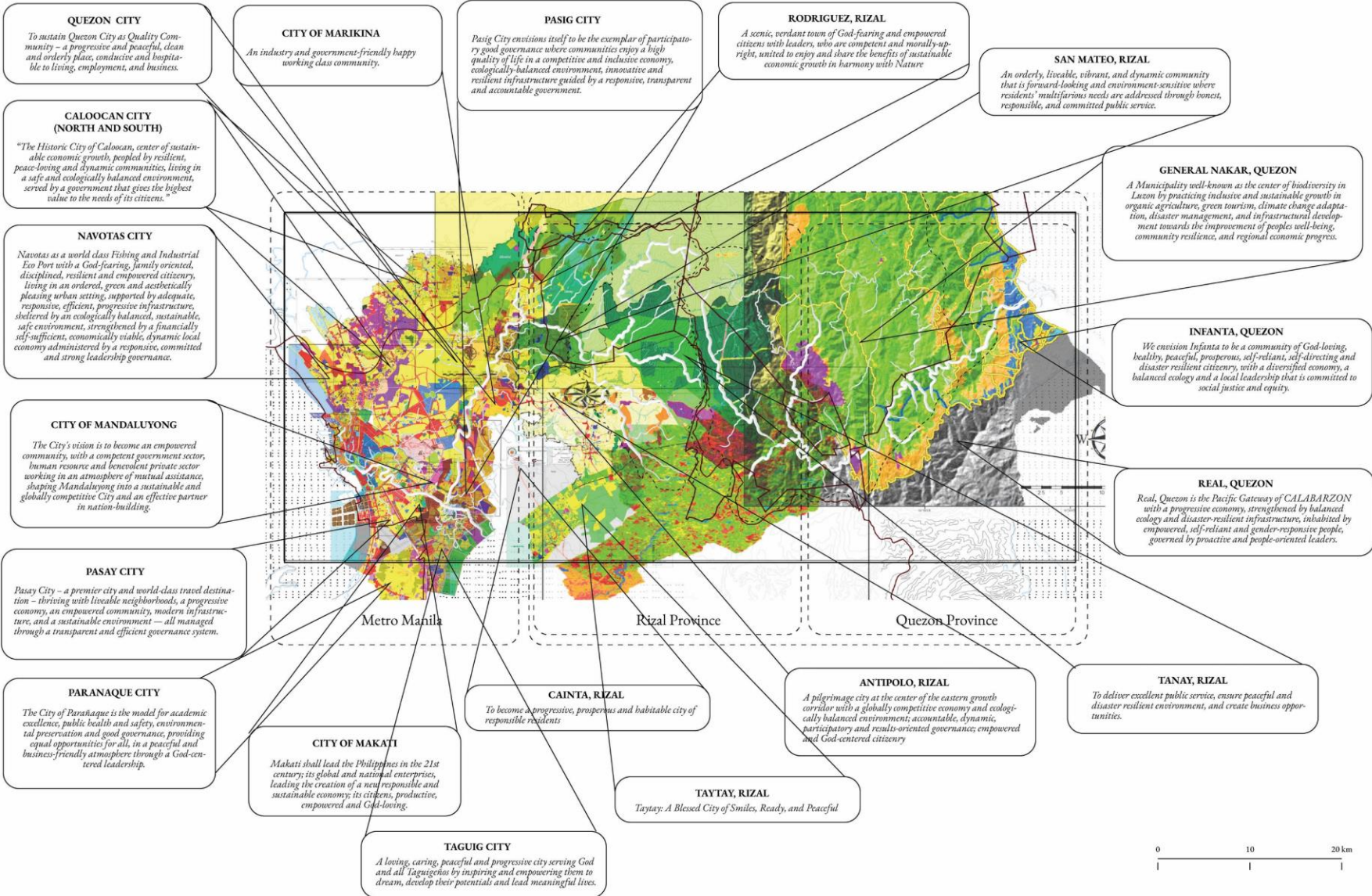
Non-human actors that play a role within the River Interface, from the endemic to the invasive that are all interconnected, perform to ensure the functionality of the land's intentions - water quality, food/shelter/medicinal source, seed dispersals, air quality - and the meanings they hold that enrich culture.



A River Interface Narrative
The Agta (Dumagat-Remontado)

The Aspirations and Shared Values

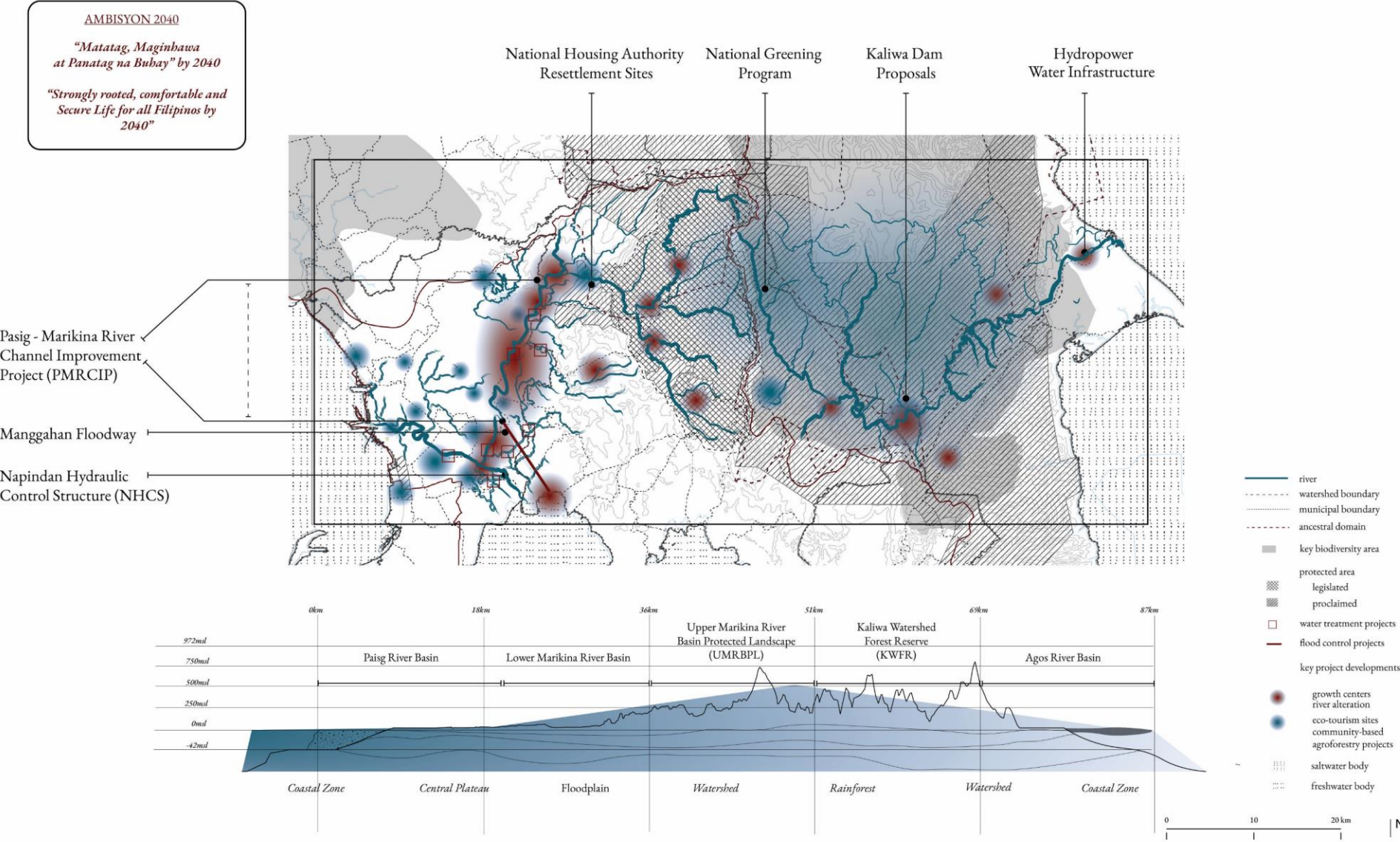
Local governmental plans in the River Interface, wherein land use is categorized and determine how a portion of each can be utilized and come together, forming a socio-cultural mosaic of public aspirations with the river seemingly expected to receive and be part of it all.



A River Interface Narrative
The Agta (Dumagat-Remontado)

The Projects and Ambitions

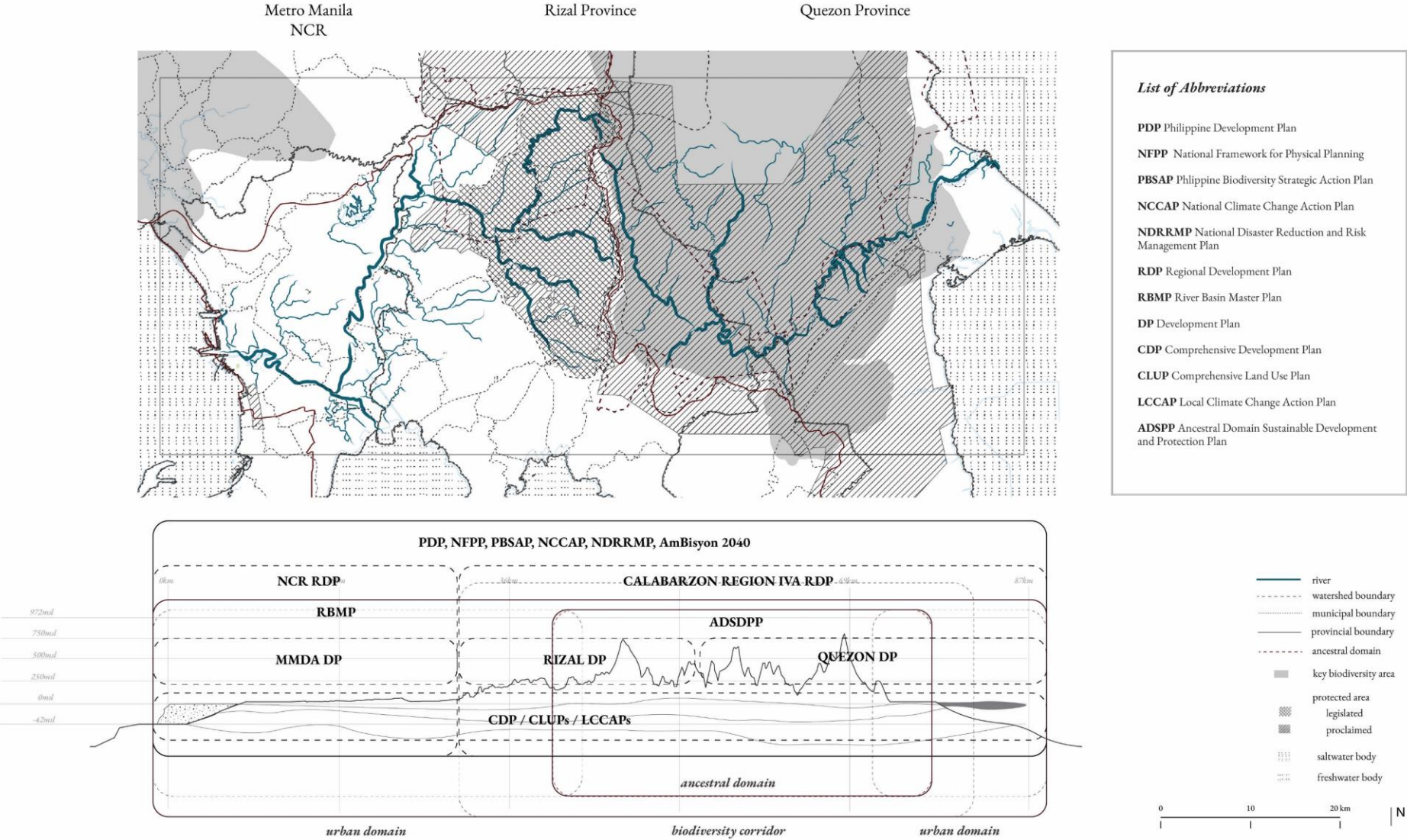
As these visions are carried out by missions, projects, programs and activities are planned and are pursued across the entire River Interface that exhibit the values that either pressure or support the rivers that witness these distinguished areas attempted to be tied together by a National Development ambition for 2040.



A River Interface Narrative
The Agta (Dumagat-Remontado)

The Government Plans

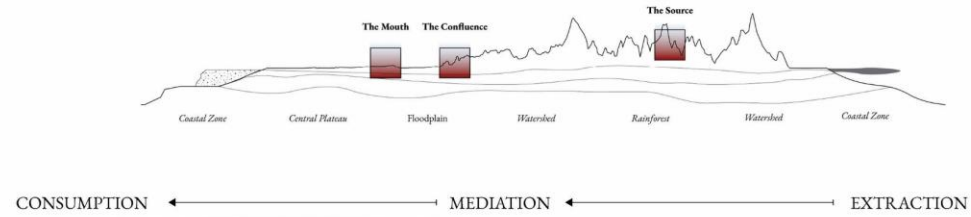
The boundaries defined by the ‘managers’ of the River Interface follow different jurisdictions, directives, and roles; from the national to the local scales, many masterplans, development plans, and action plans are heralded by different agencies and communities that divide the river ideologically and fragment its socio-spatial interconnections.



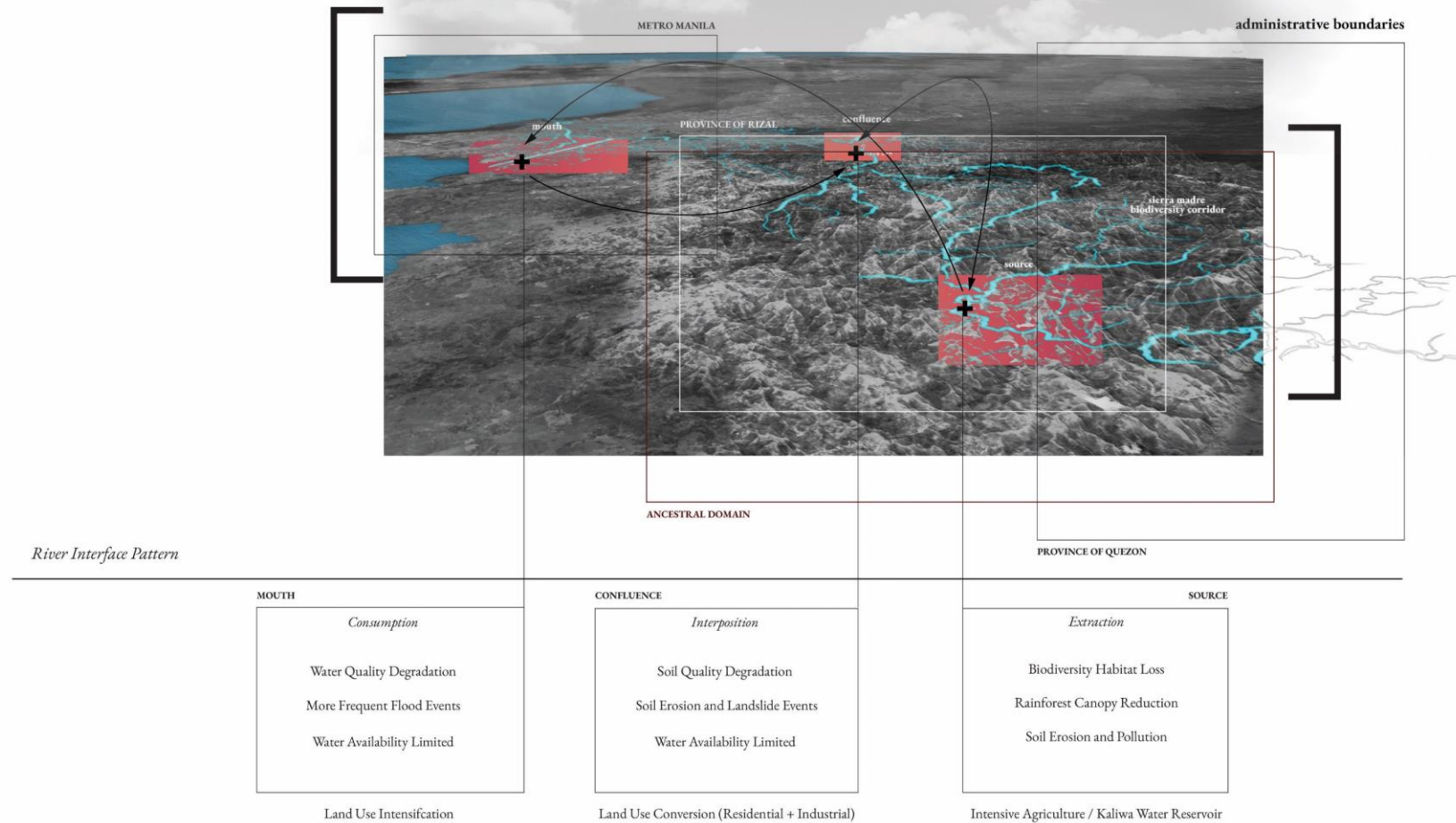
A River Interface Narrative

The Pattern of Values

River Interface Unit 01
Transect Key

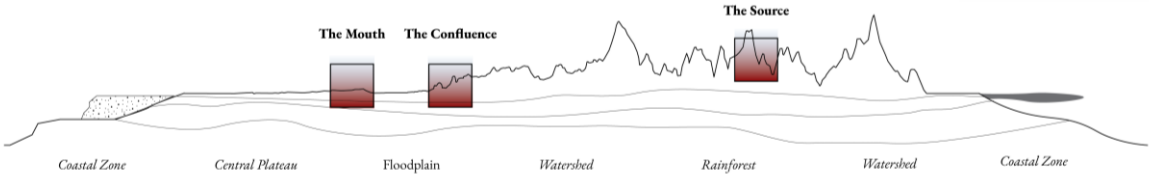


RIVER INTERFACE UNIT (RIU) 01
Pasig-Laguna-Marikina River Basin

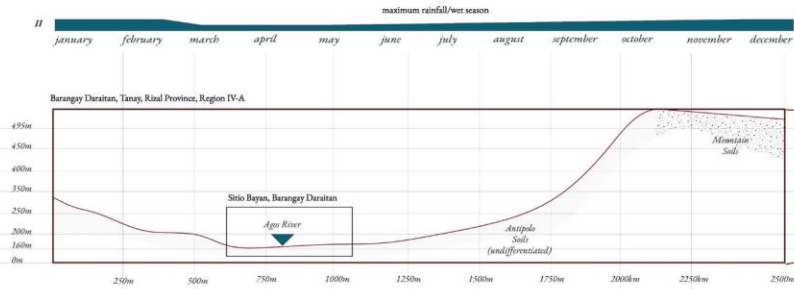


A River Interface Narrative
The Pattern of Values

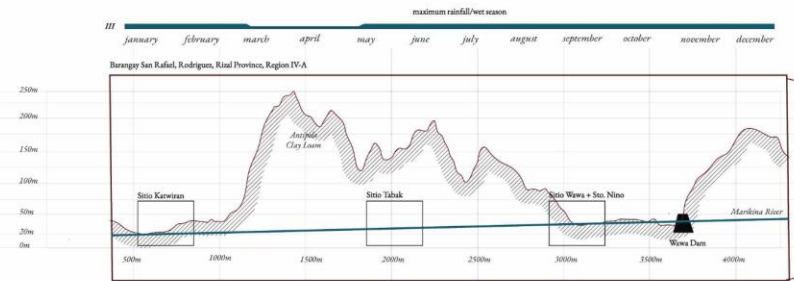
THE RIVER
INTERFACE UNIT 01
Pasig-Laguna-Marikina
River Basin, LUZON, PH



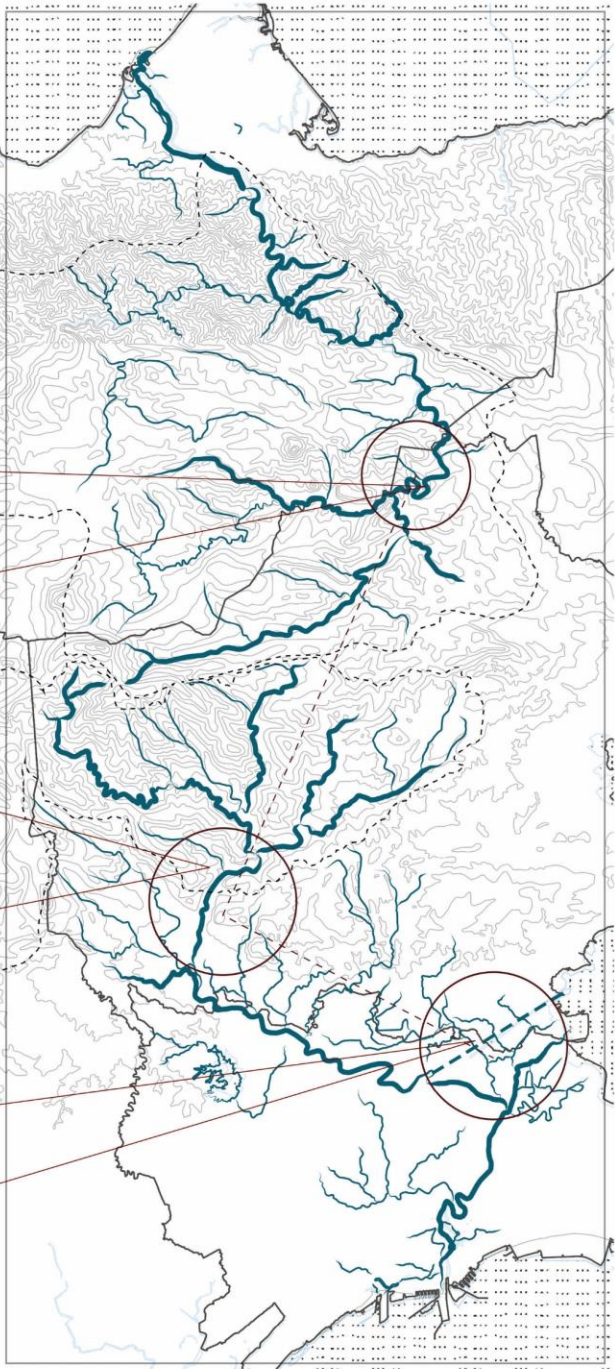
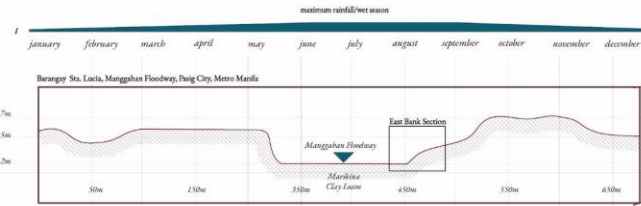
The Source
Section



The Confluence
Section



The Mouth
Section



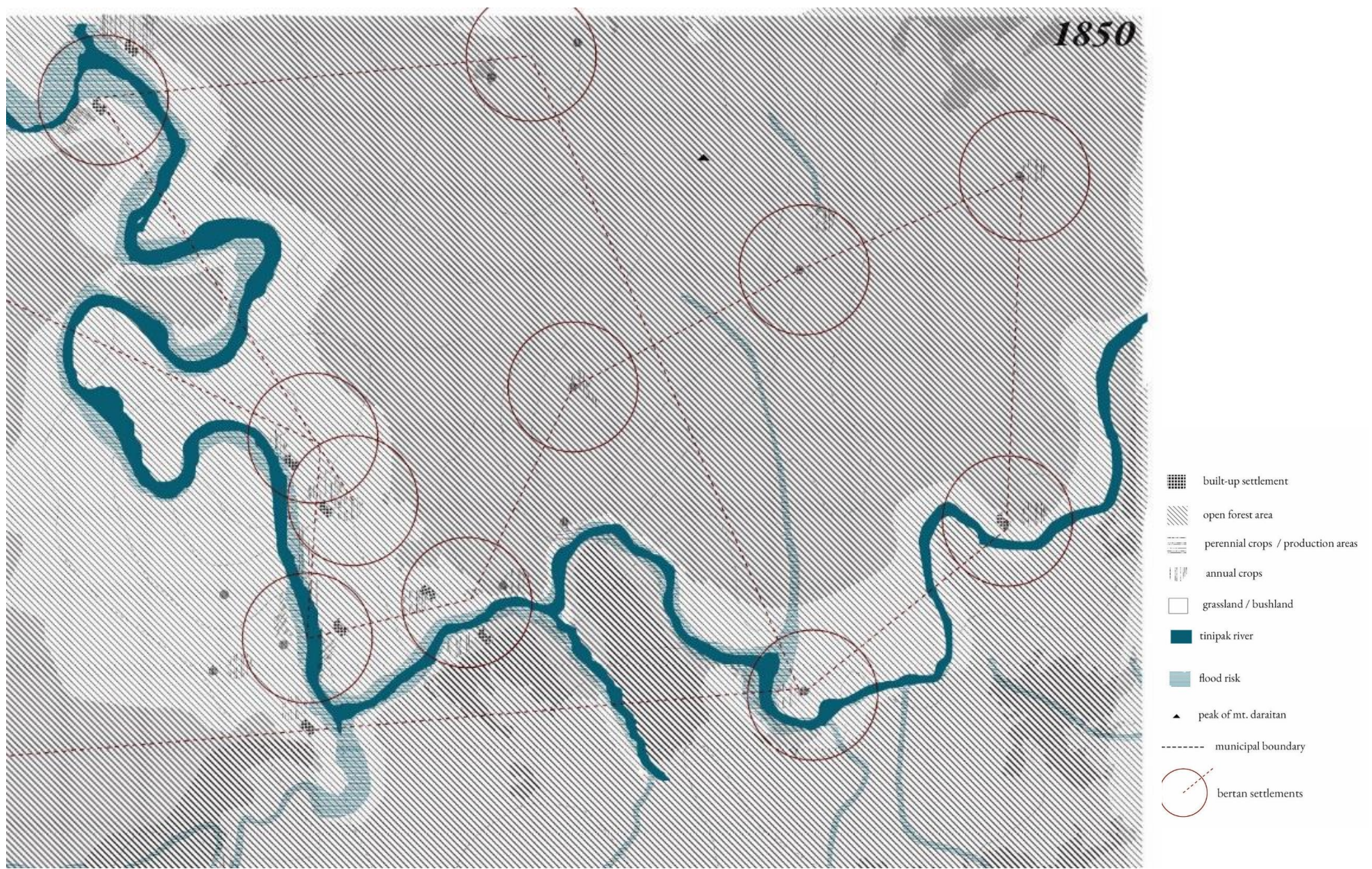
The Source

The Confluence

The Mouth

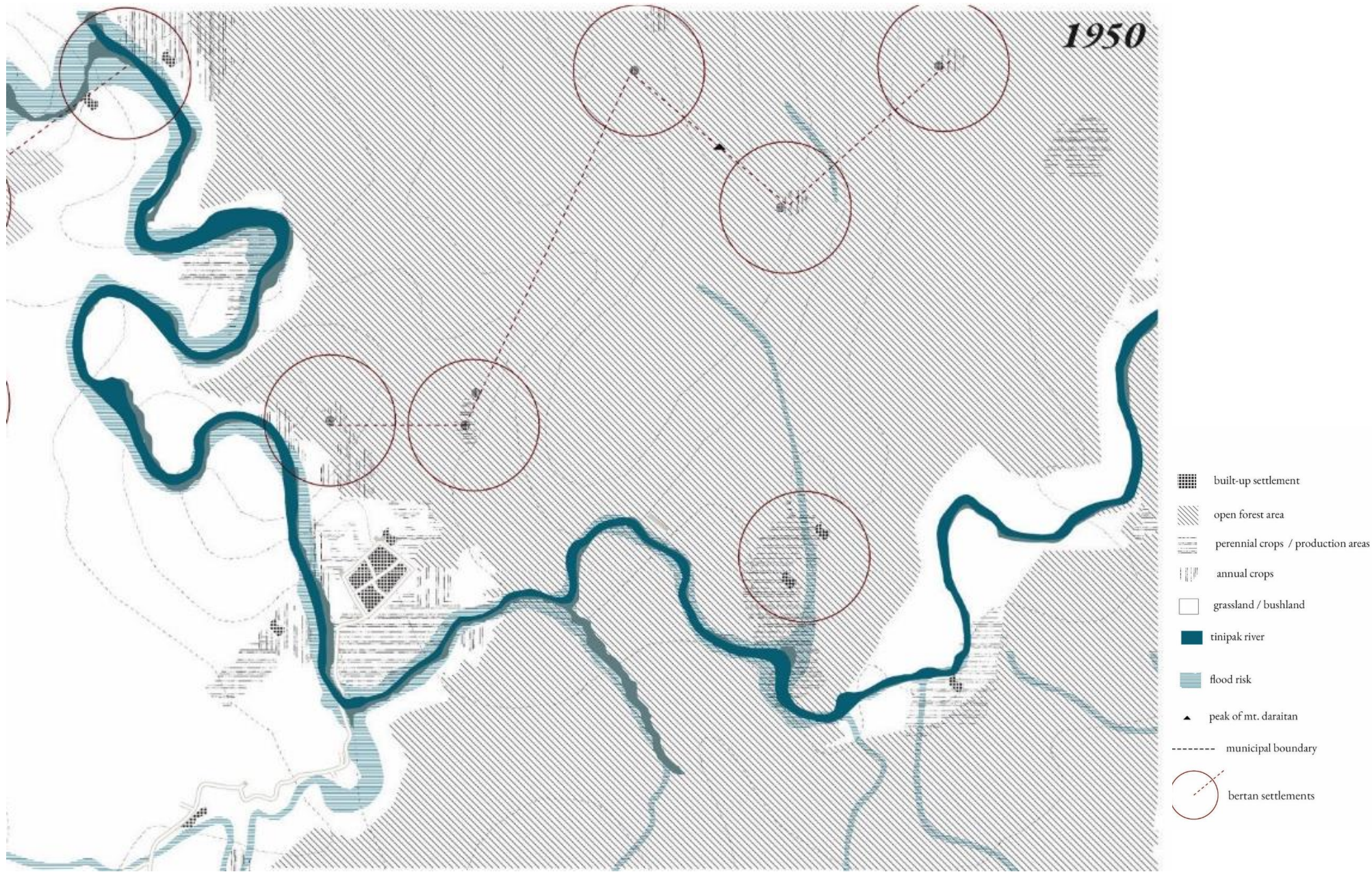
the river
sites
river pattern

A River Interface Narrative
The Source

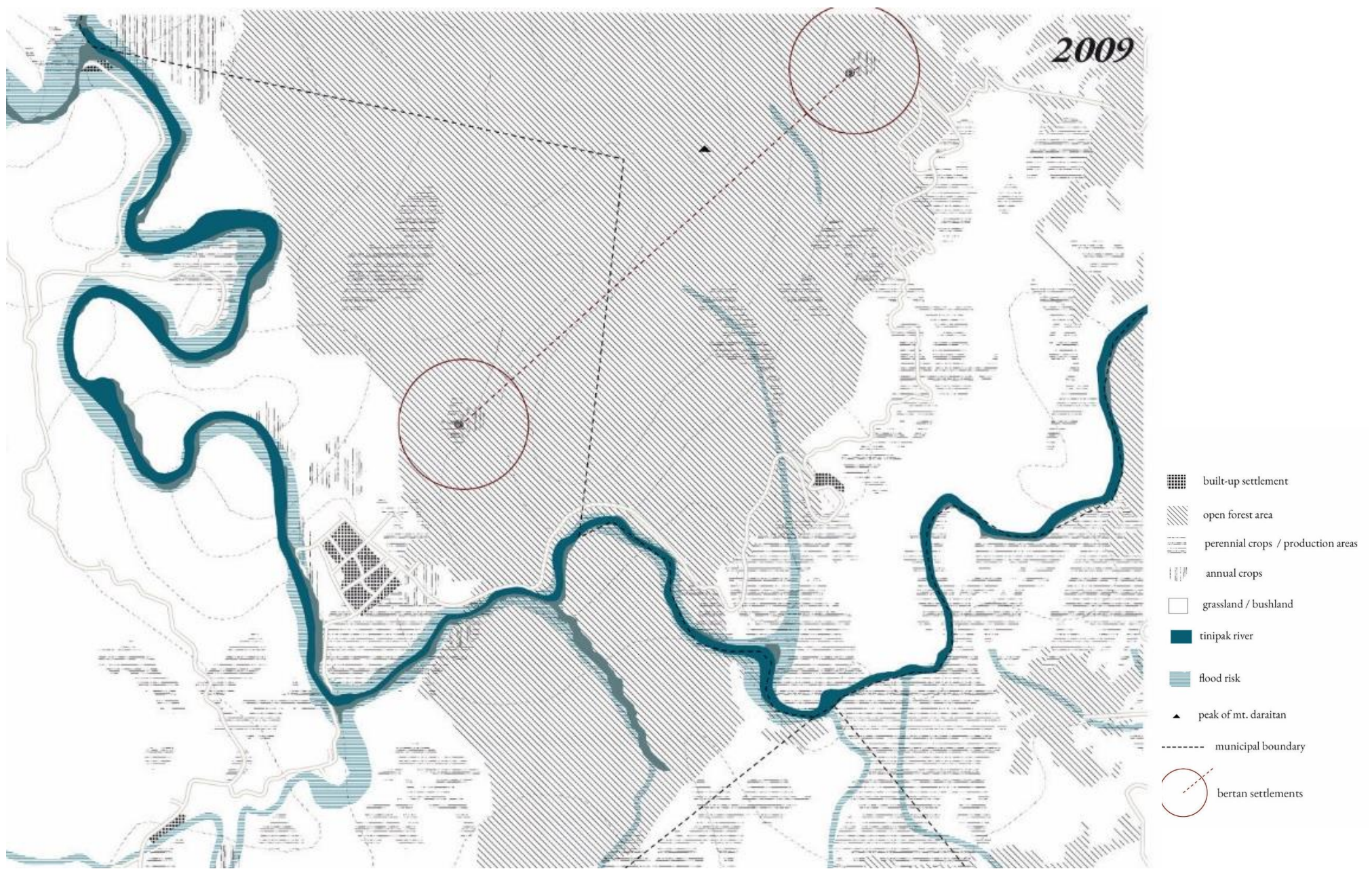


A River Interface Narrative

The Source



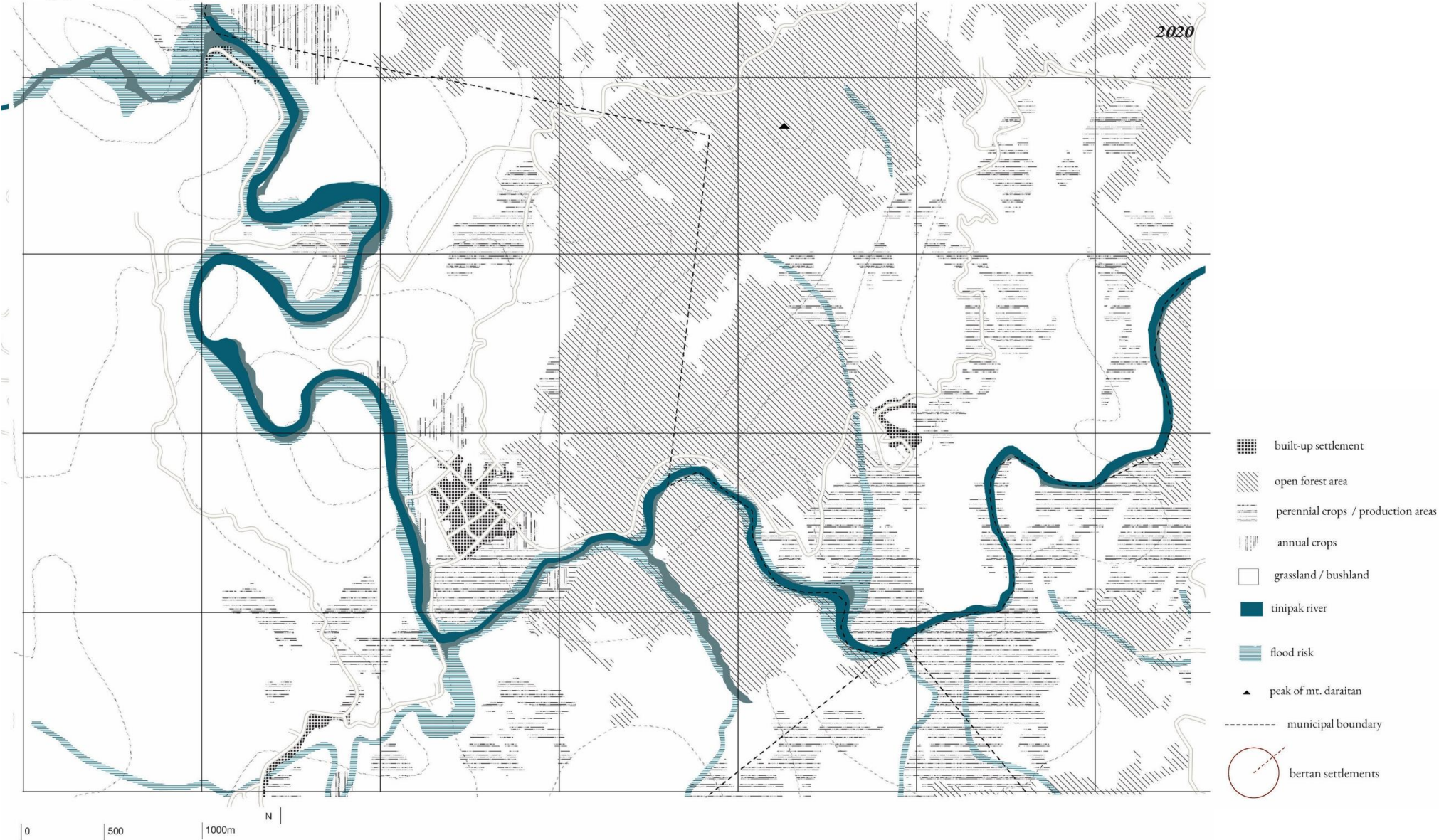
A River Interface Narrative
The Source



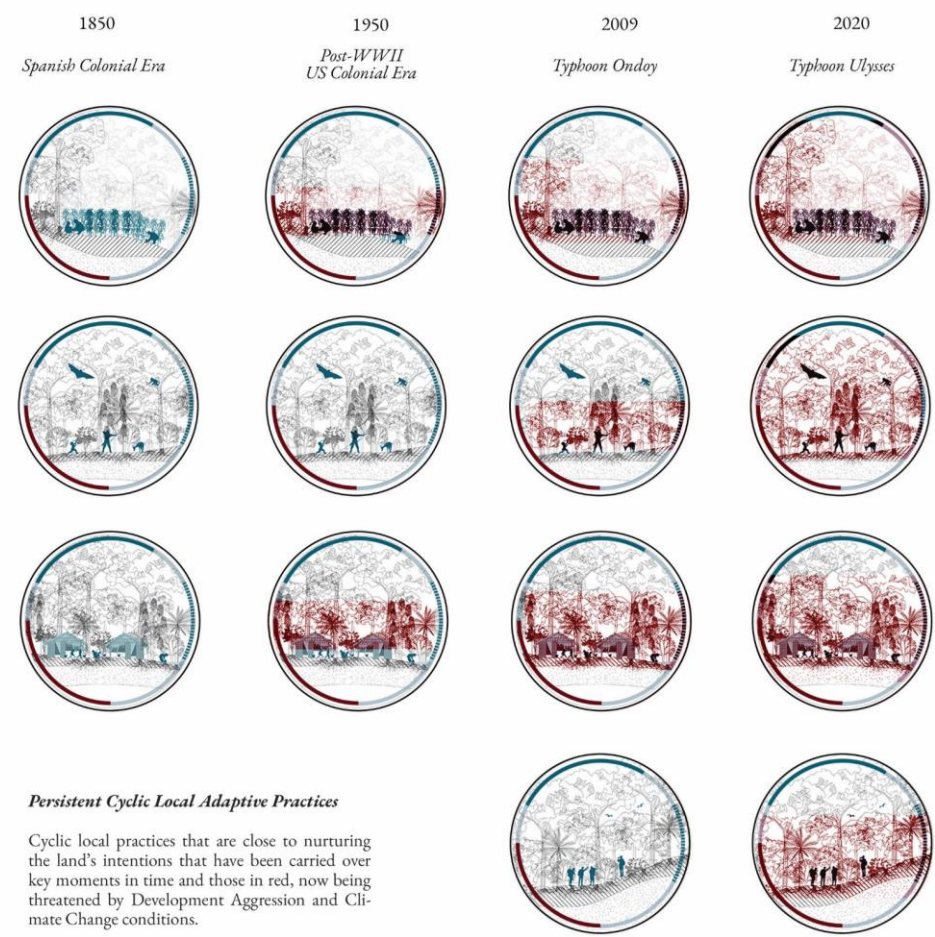
A River Interface Narrative

The Source

The Source
Barangay Daraitan, Tanay, Rizal Province, Region IV-A, PHILIPPINES

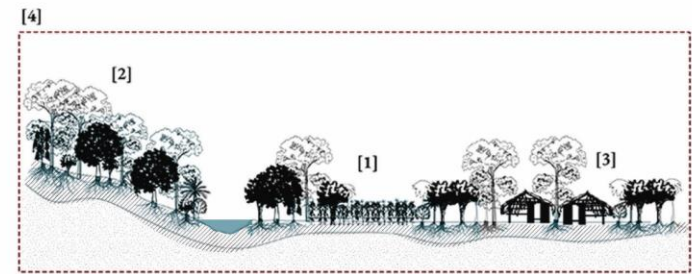


A River Interface Narrative
The Source

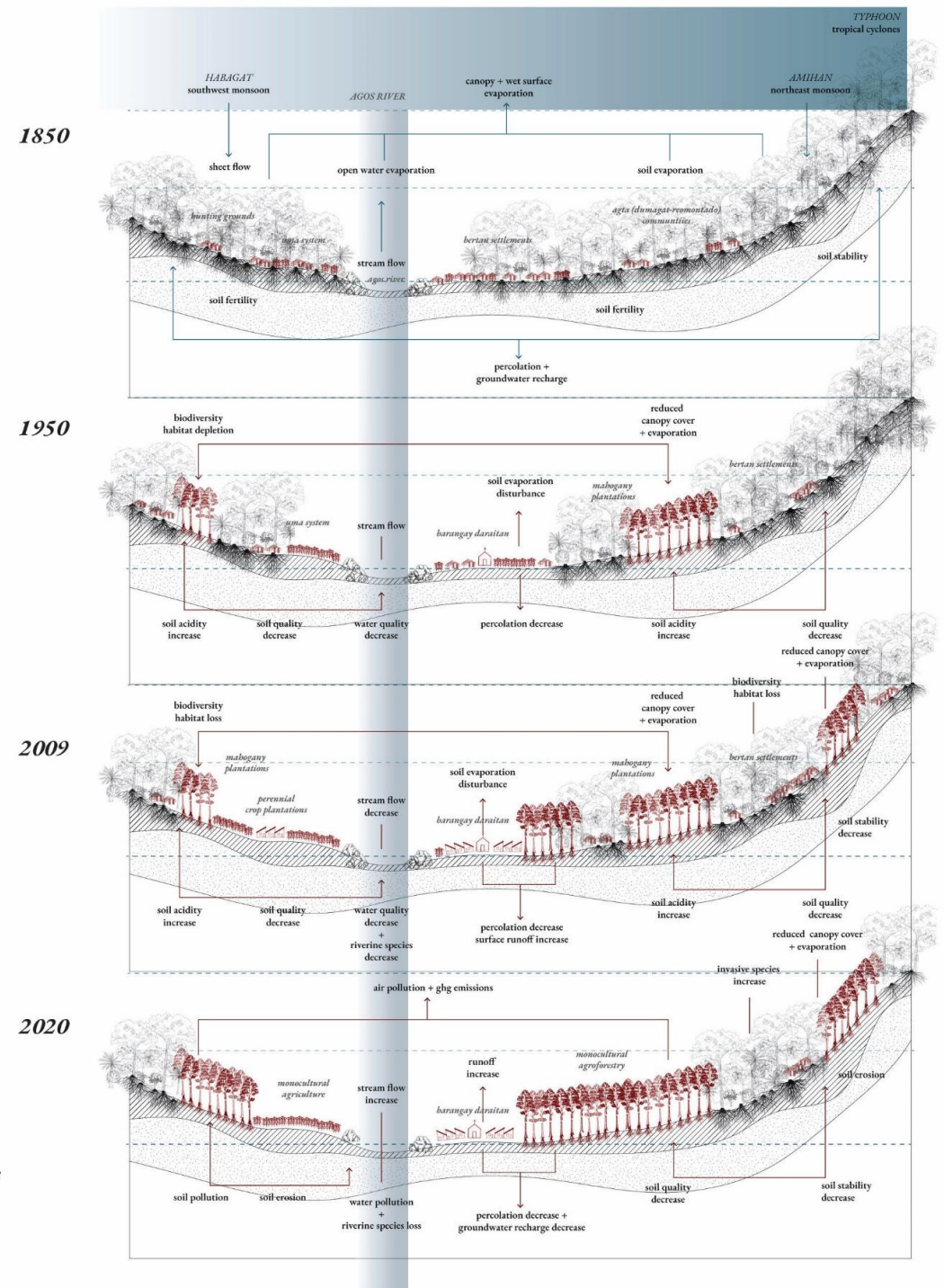


Persistent Cyclic Local Adaptive Practices

Cyclic local practices that are close to nurturing the land's intentions that have been carried over key moments in time and those in red, now being threatened by Development Aggression and Climate Change conditions.

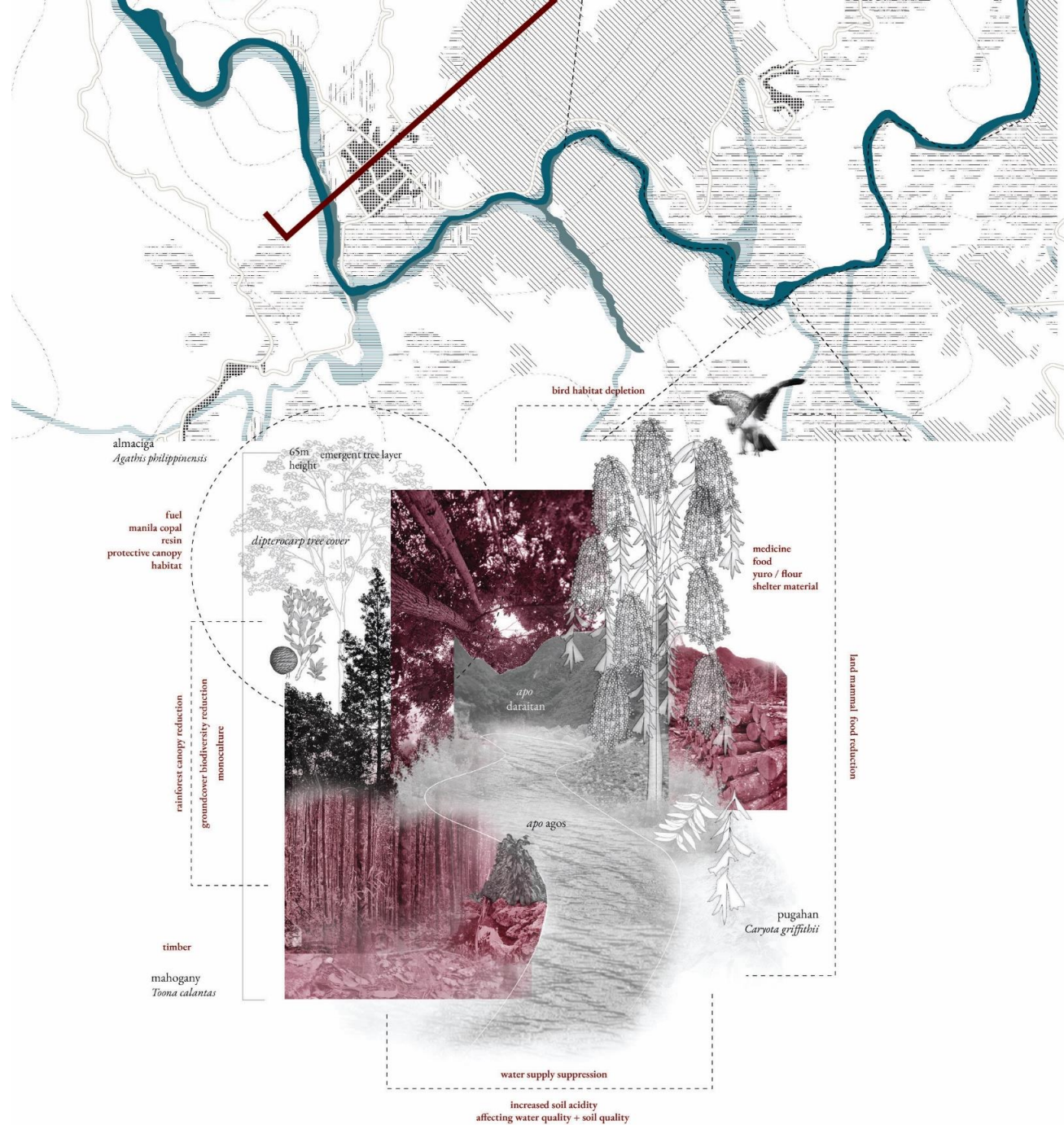


- [1] uma
- [2] protected rainforest area | kaliwa for
- [3] bertan settlement within barangay
- [4] eco-tourism



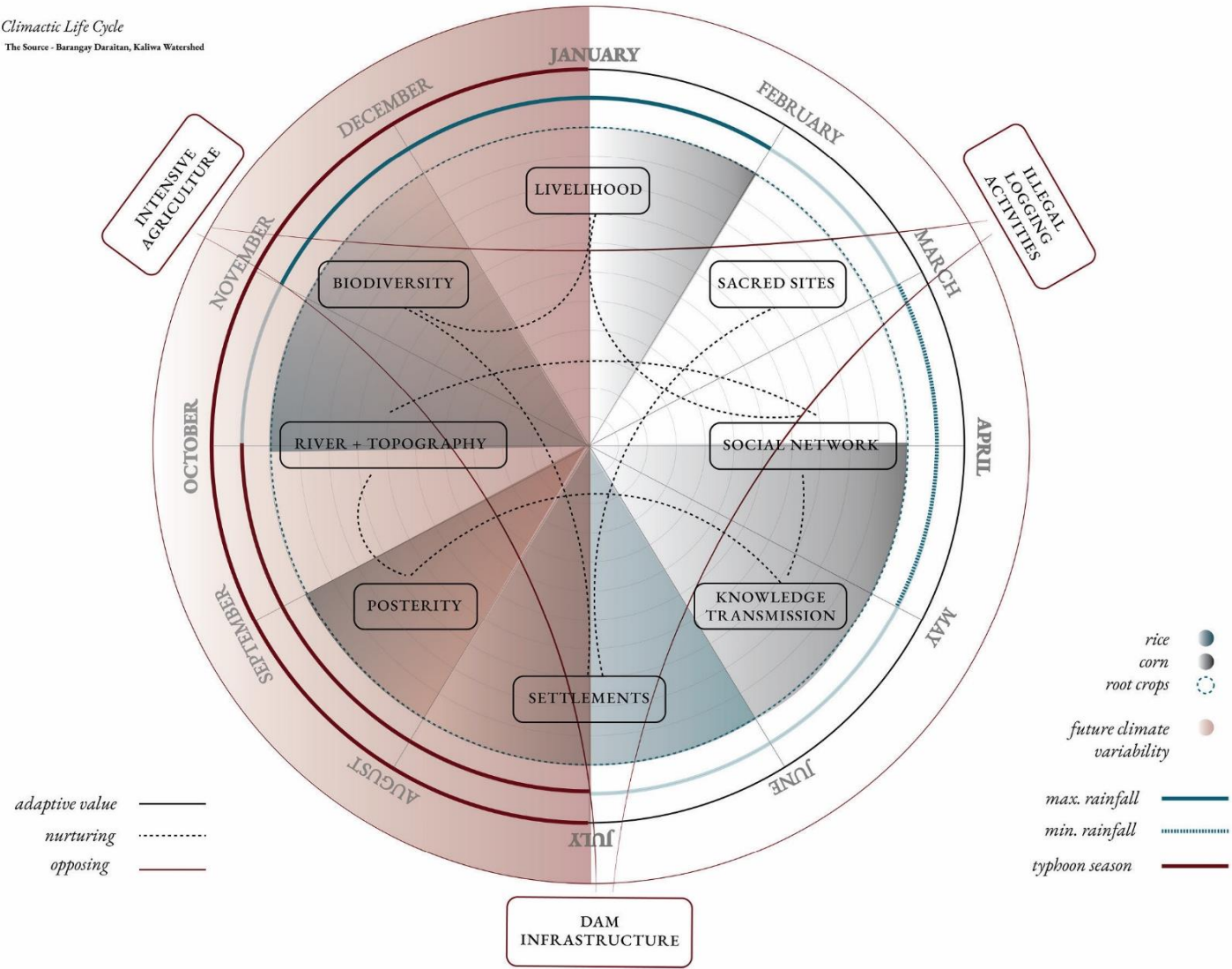
A River Interface Narrative

The Source



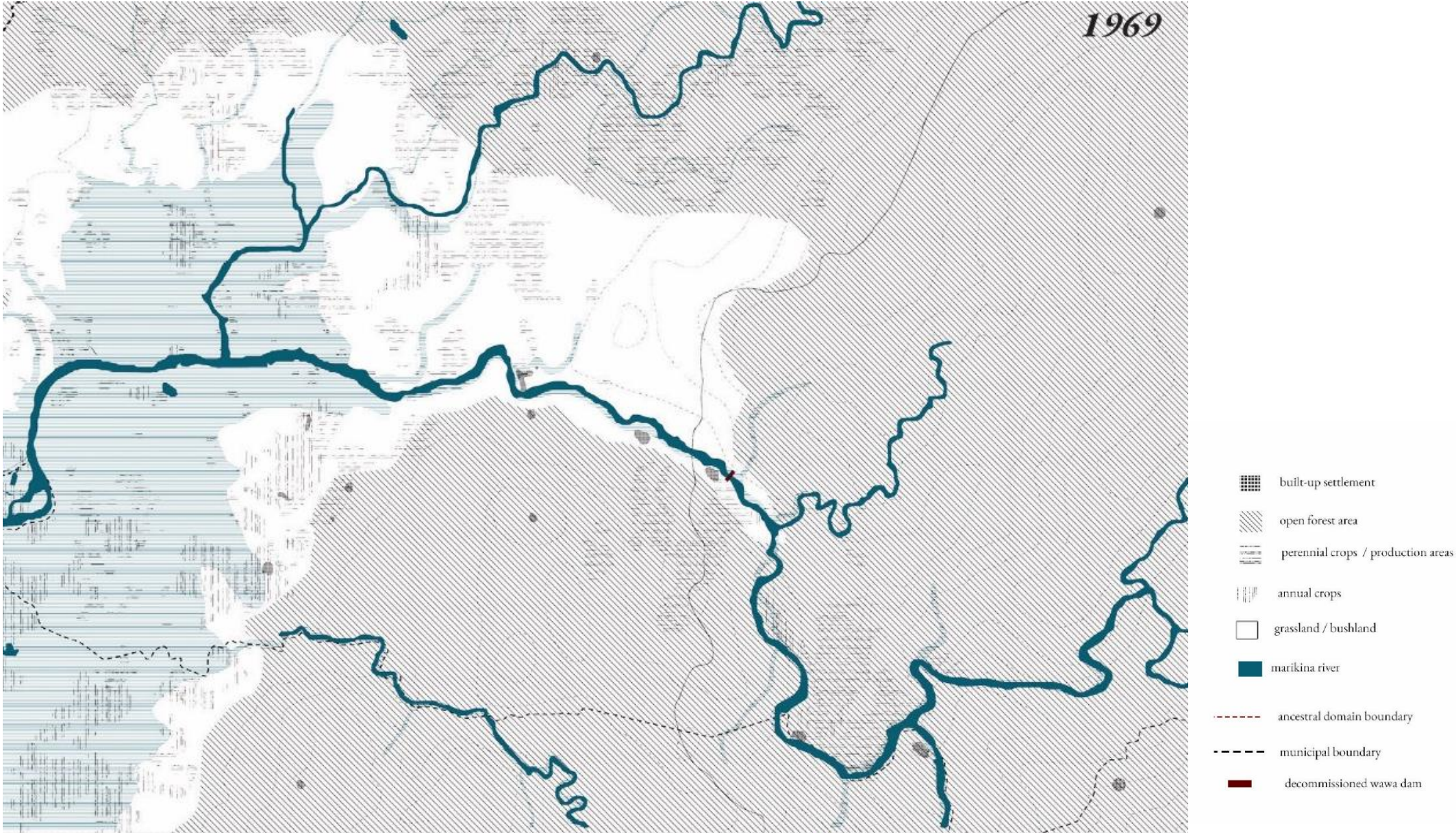
A River Interface Narrative
The Source

Climactic Life Cycle
The Source - Barangay Daraitan, Kaliwa Watershed

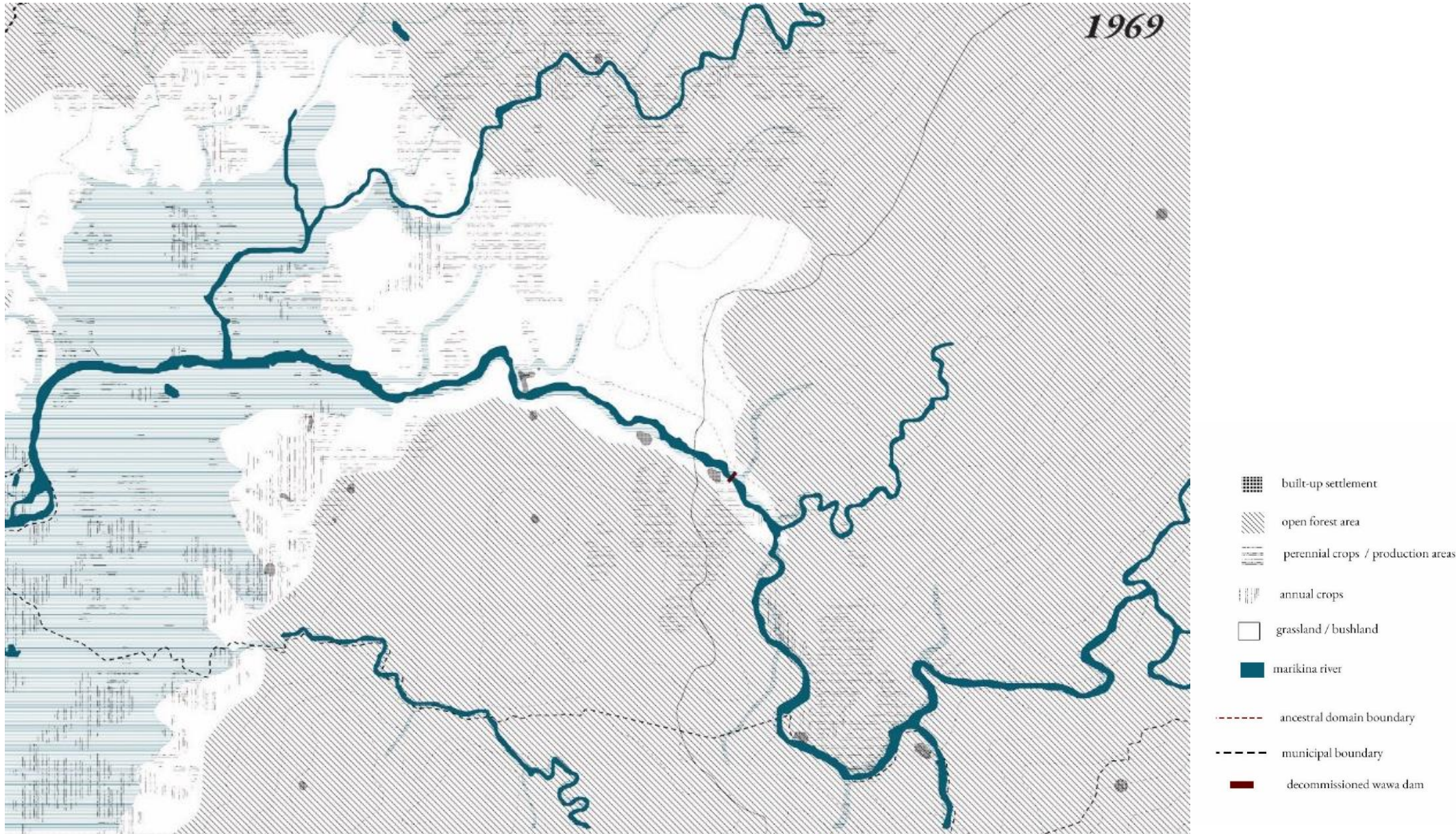


The Interactions Diagram of
Climate-Development Aggression-Values of the Riversapce
and Agricultural Productivity at the Source

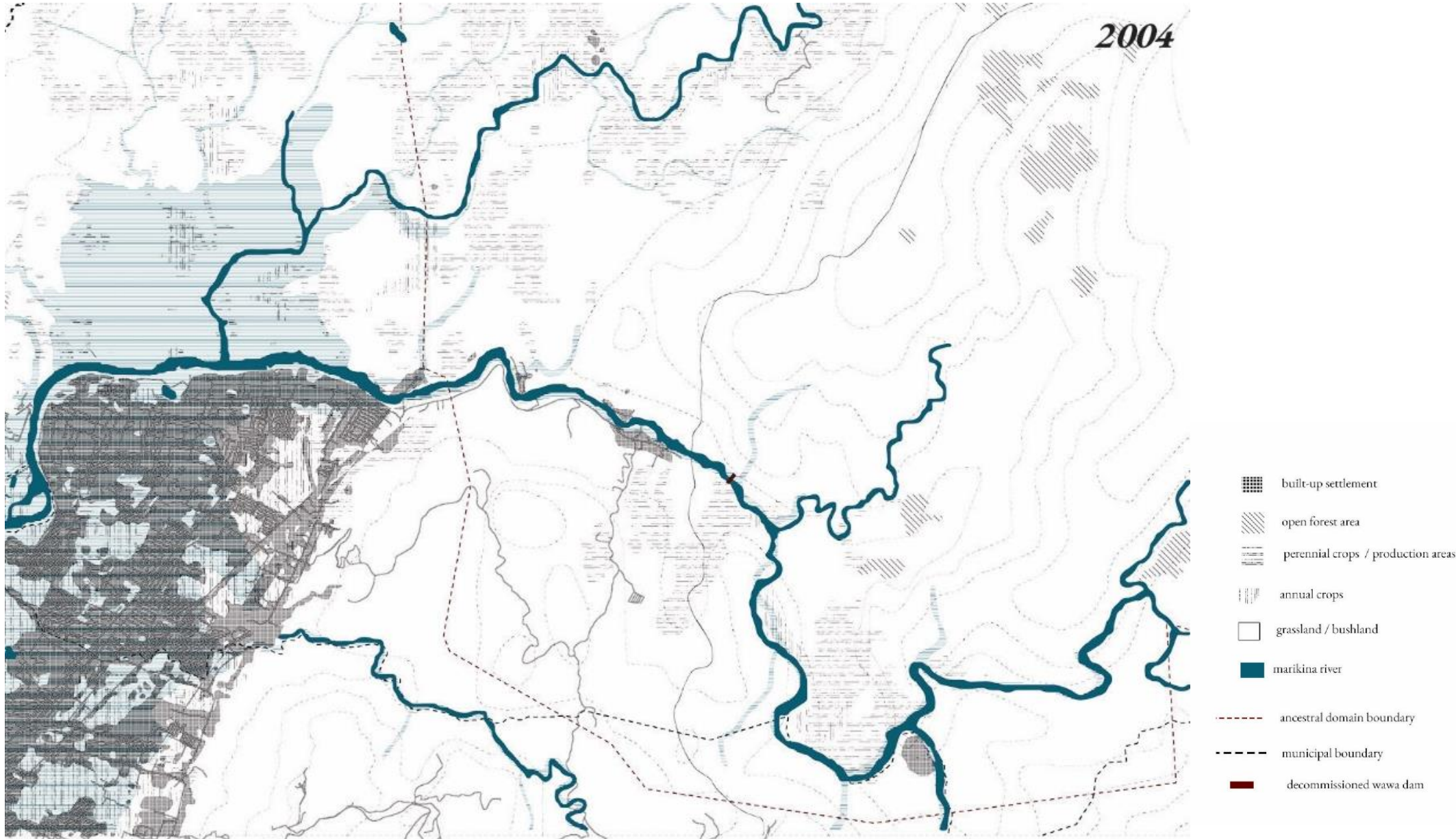
A River Interface Narrative
The Confluence



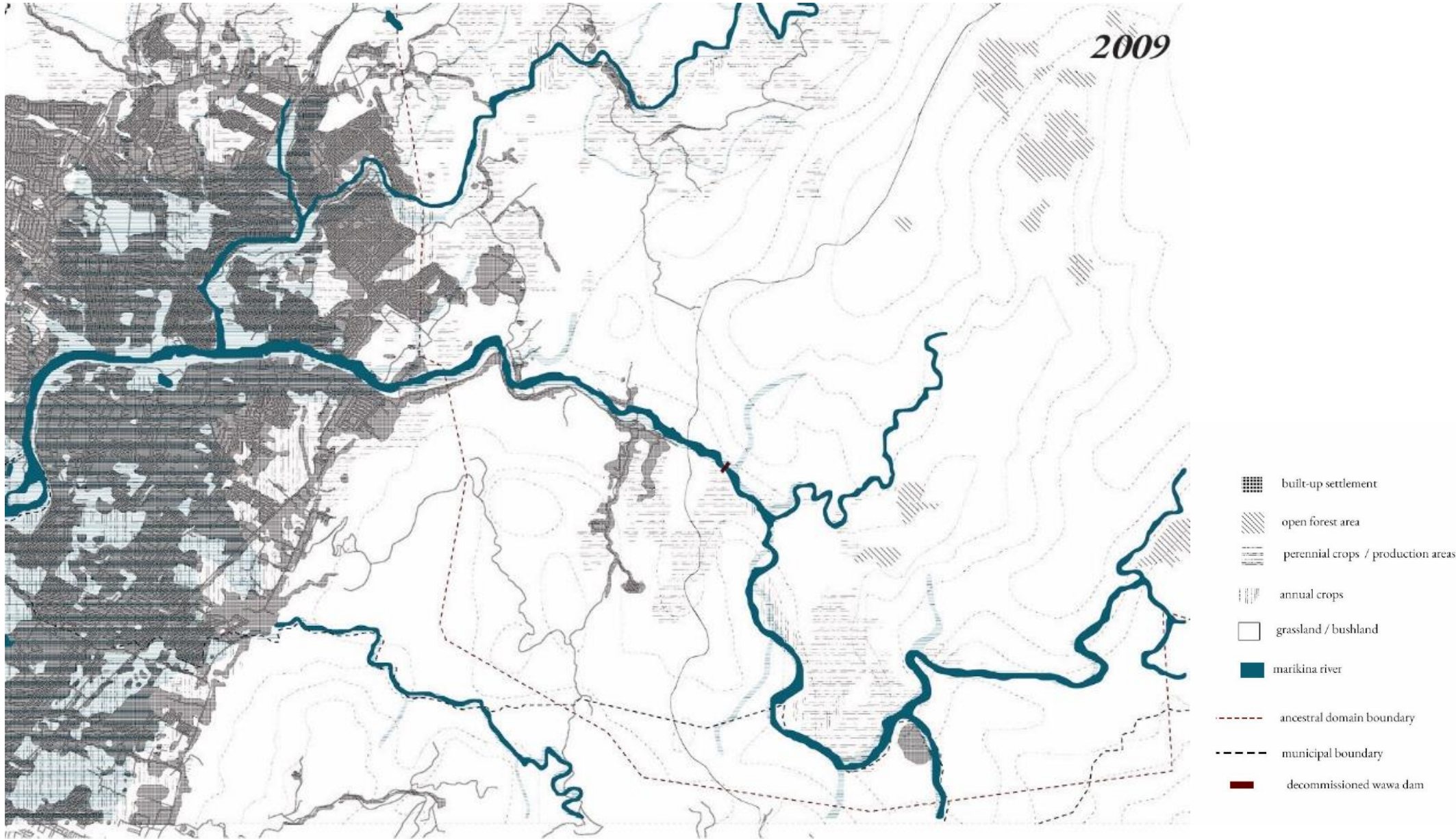
A River Interface Narrative
The Confluence



A River Interface Narrative
The Confluence



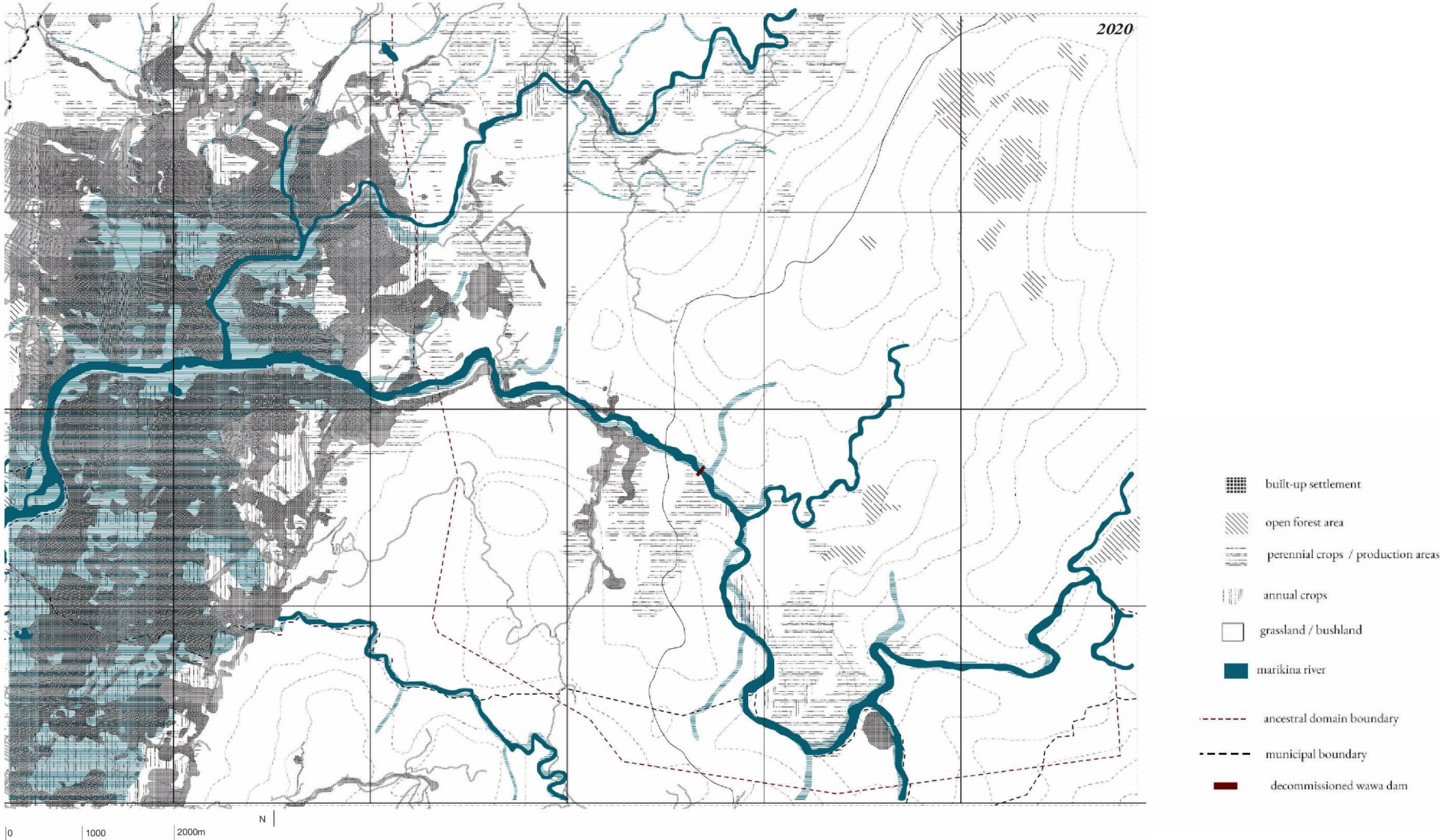
A River Interface Narrative
The Confluence



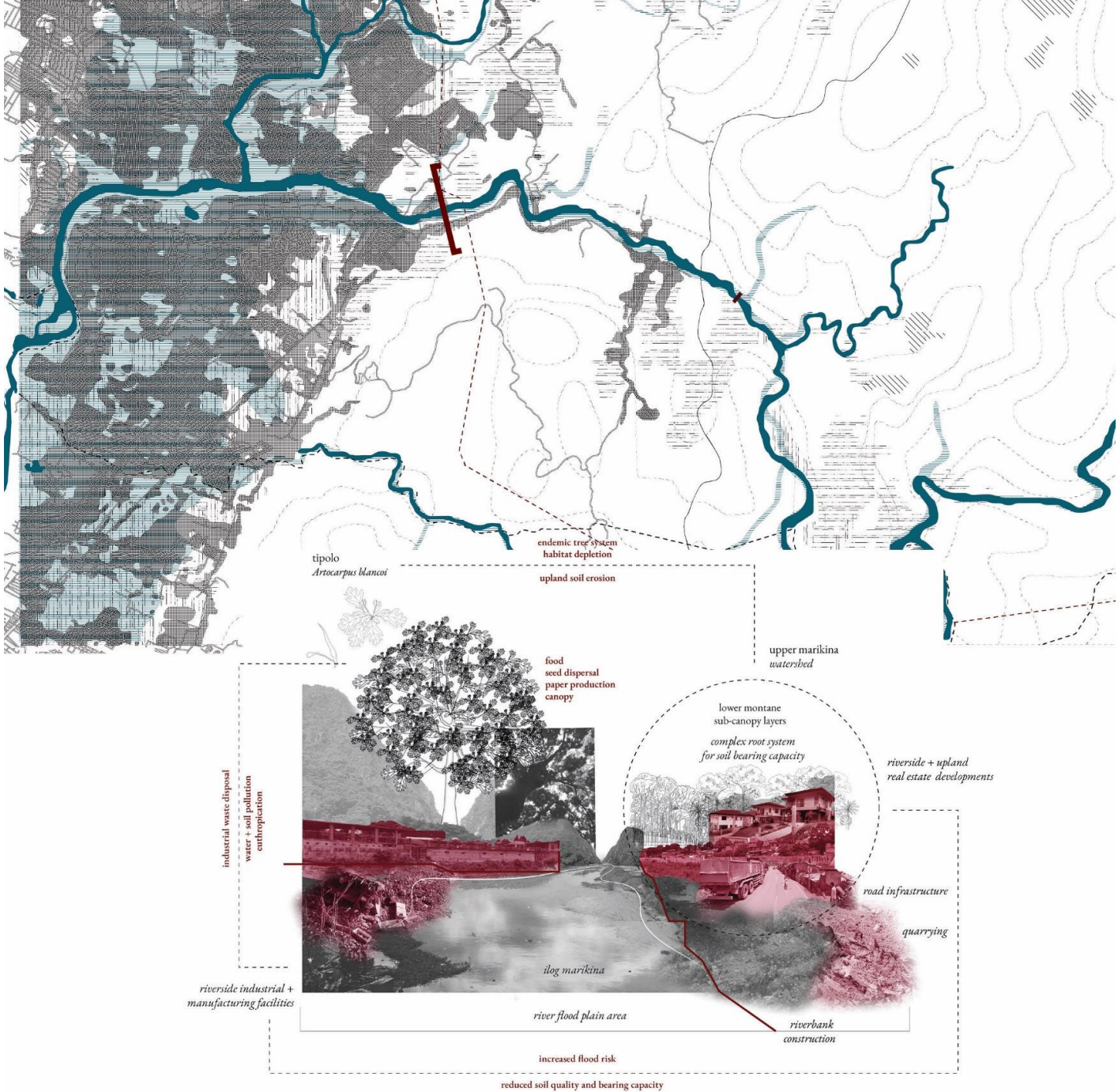
A River Interface Narrative

The Confluence

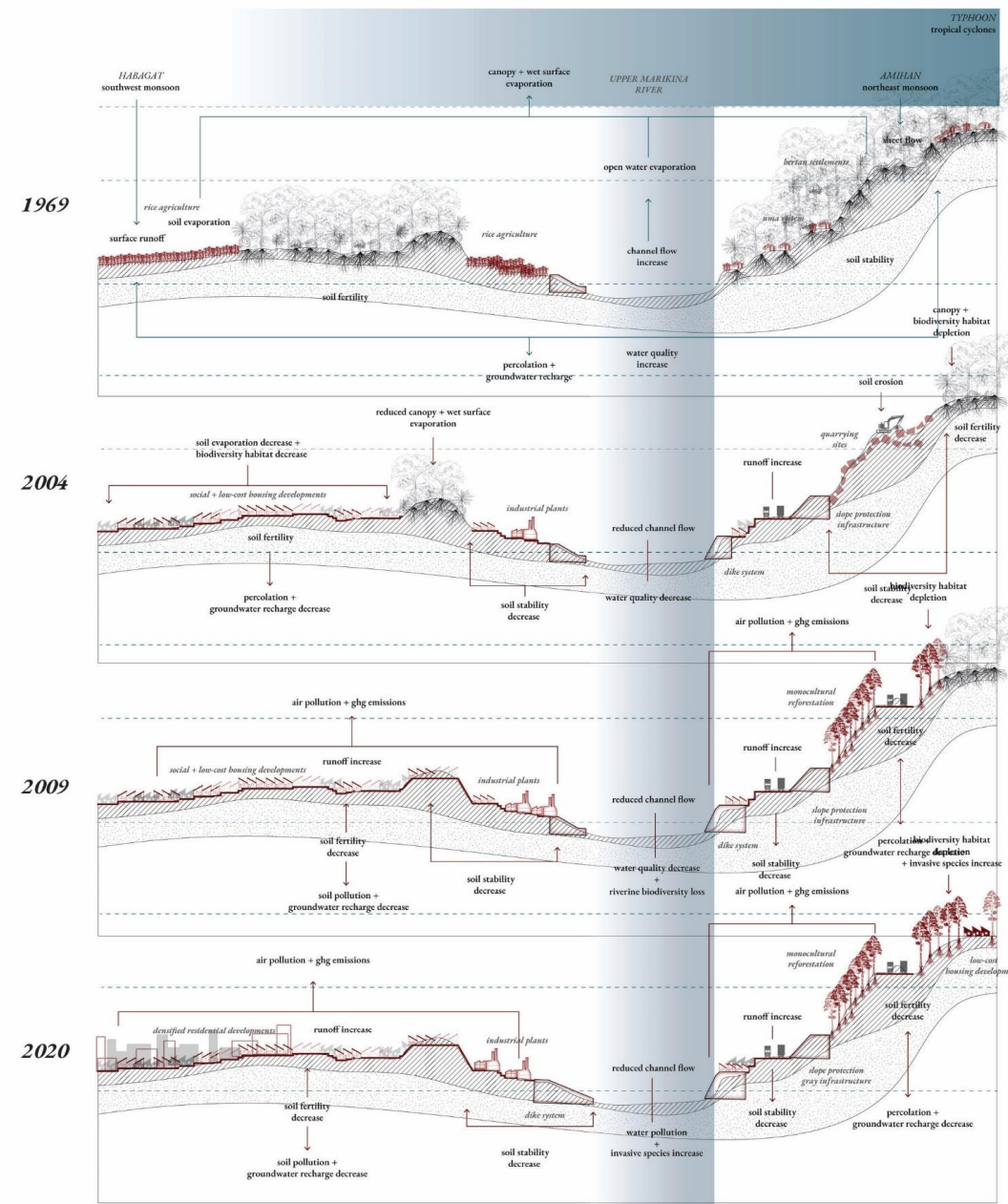
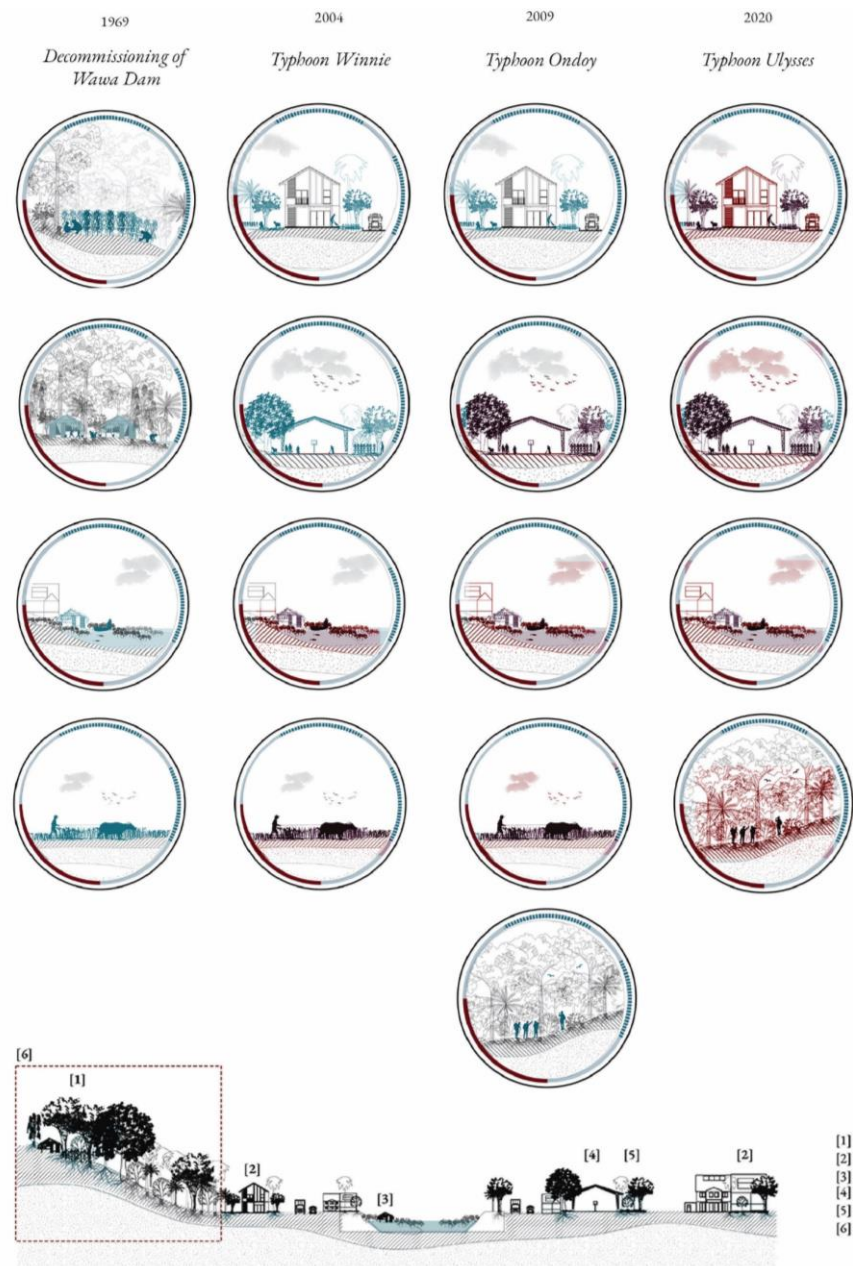
The Confluence
Barangay San Rafael, Rodriguez, Rizal Province, Region IV-A, PHILIPPINES



A River Interface Narrative
The Confluence



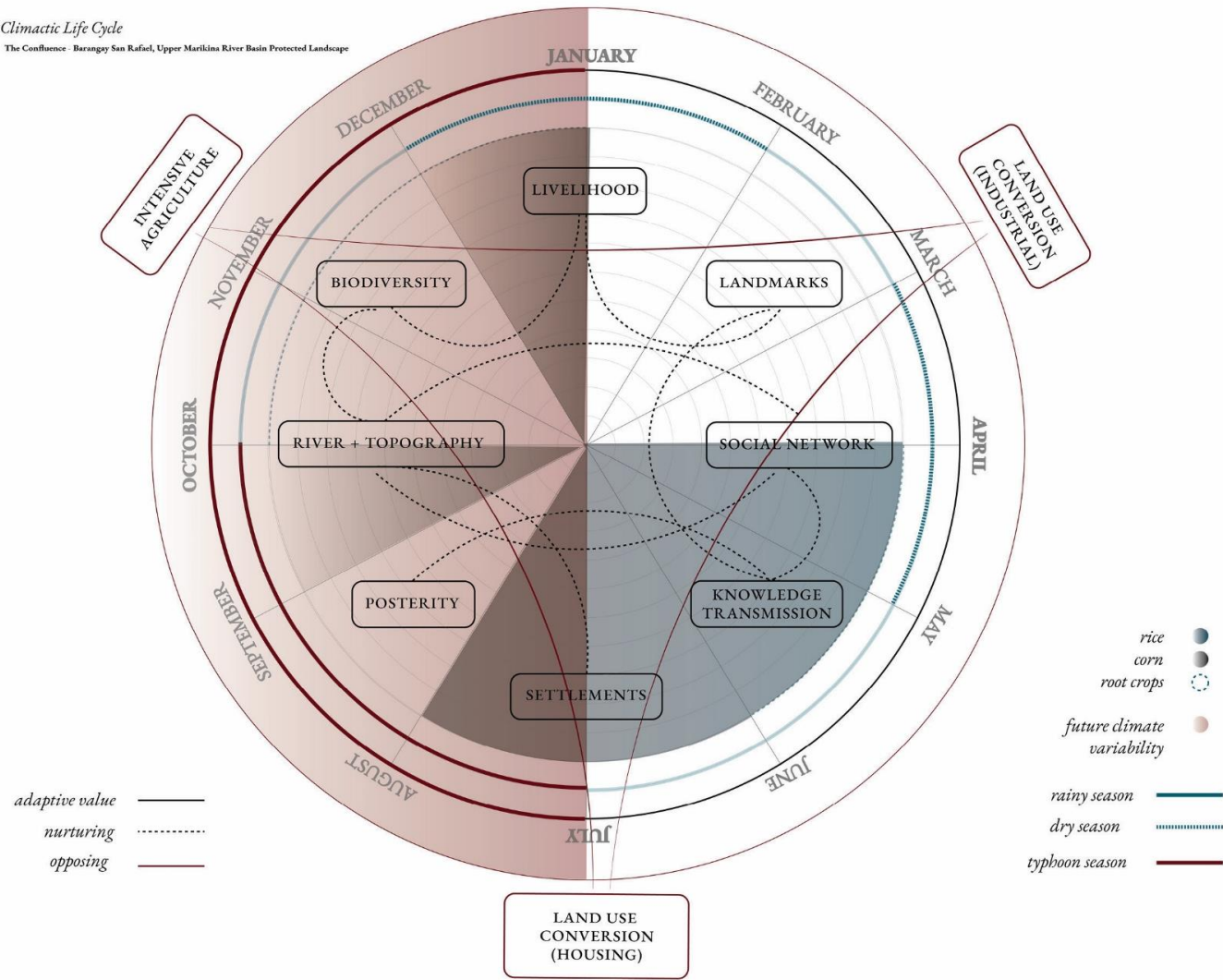
A River Interface Narrative
The Confluence



A River Interface Narrative
The Confluence

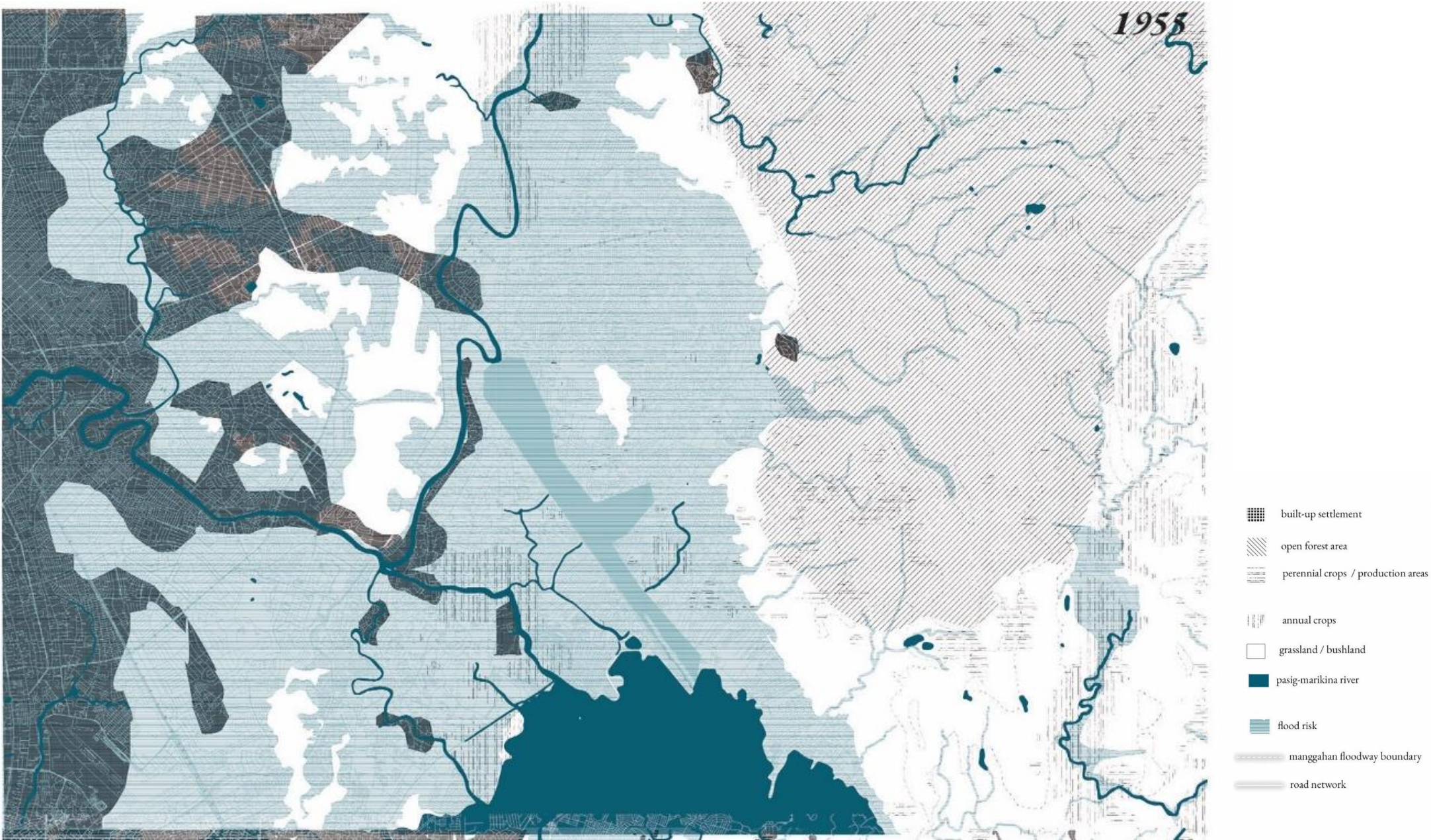
Climactic Life Cycle

The Confluence - Barangay San Rafael, Upper Marikina River Basin Protected Landscape

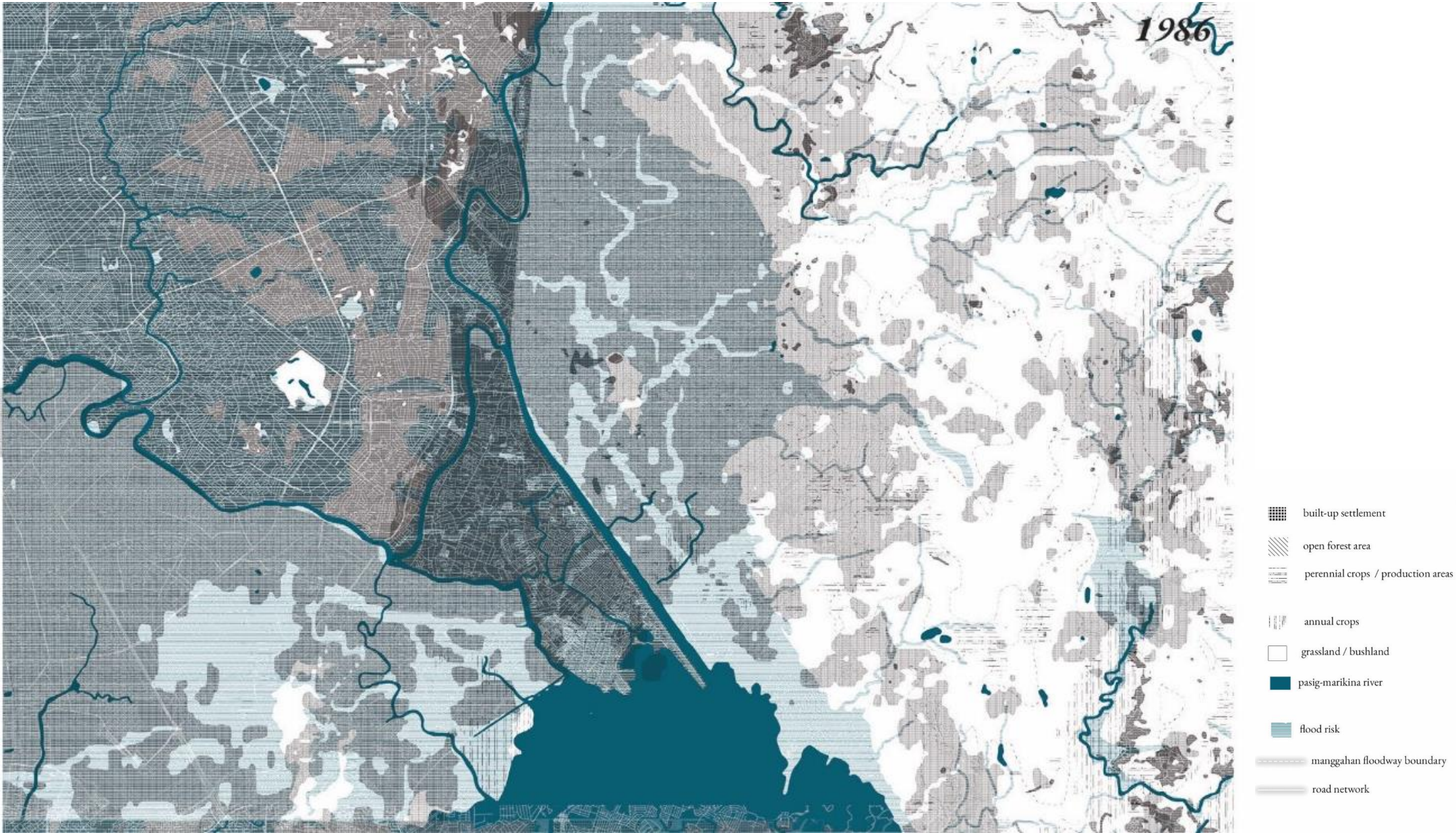


The Interactions Diagram of
Climate-Development Aggression-Values of the Riversapce
and Agricultural Productivity at the Confluence.

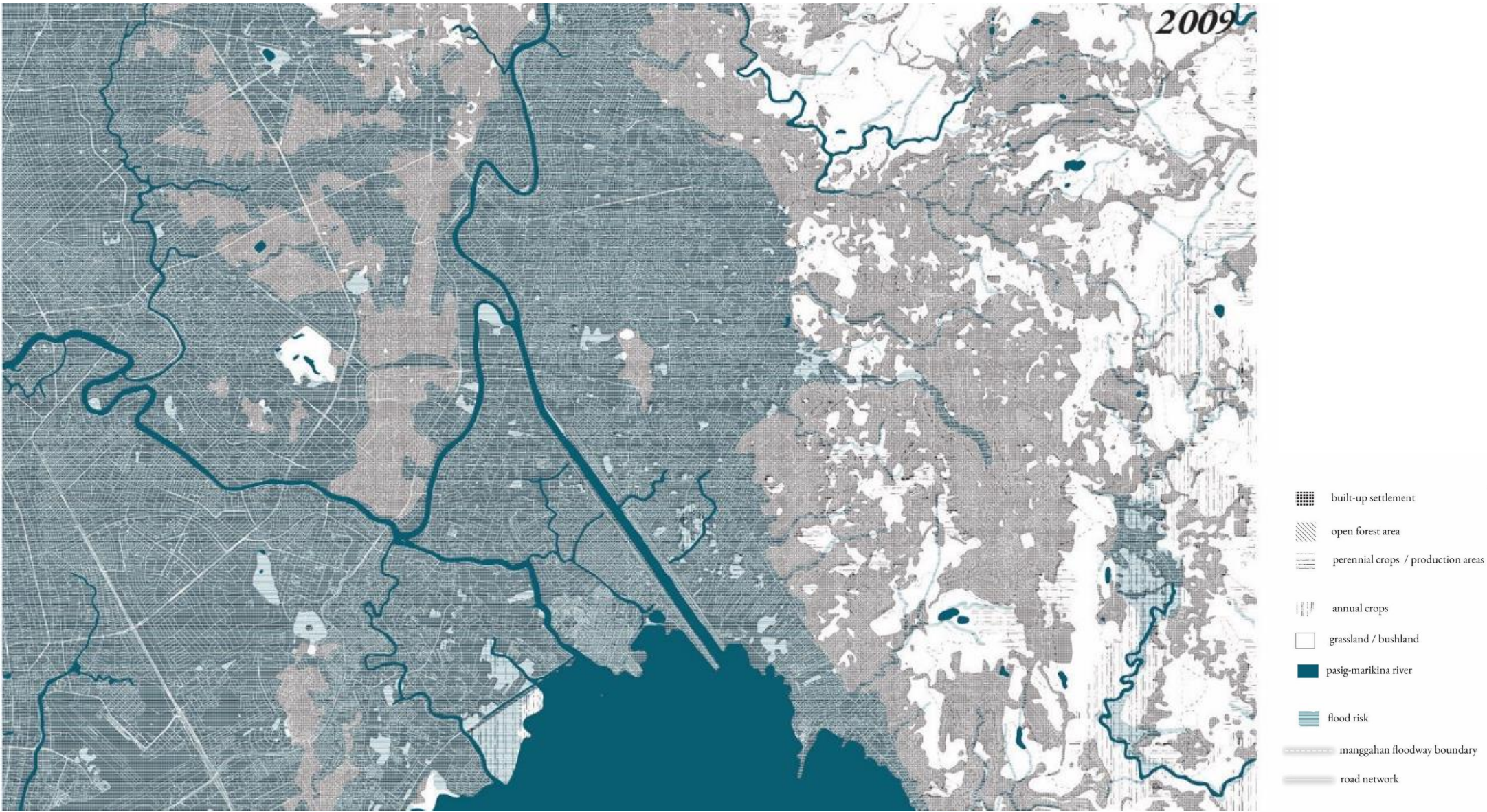
A River Interface Narrative
The Mouth



A River Interface Narrative
The Mouth



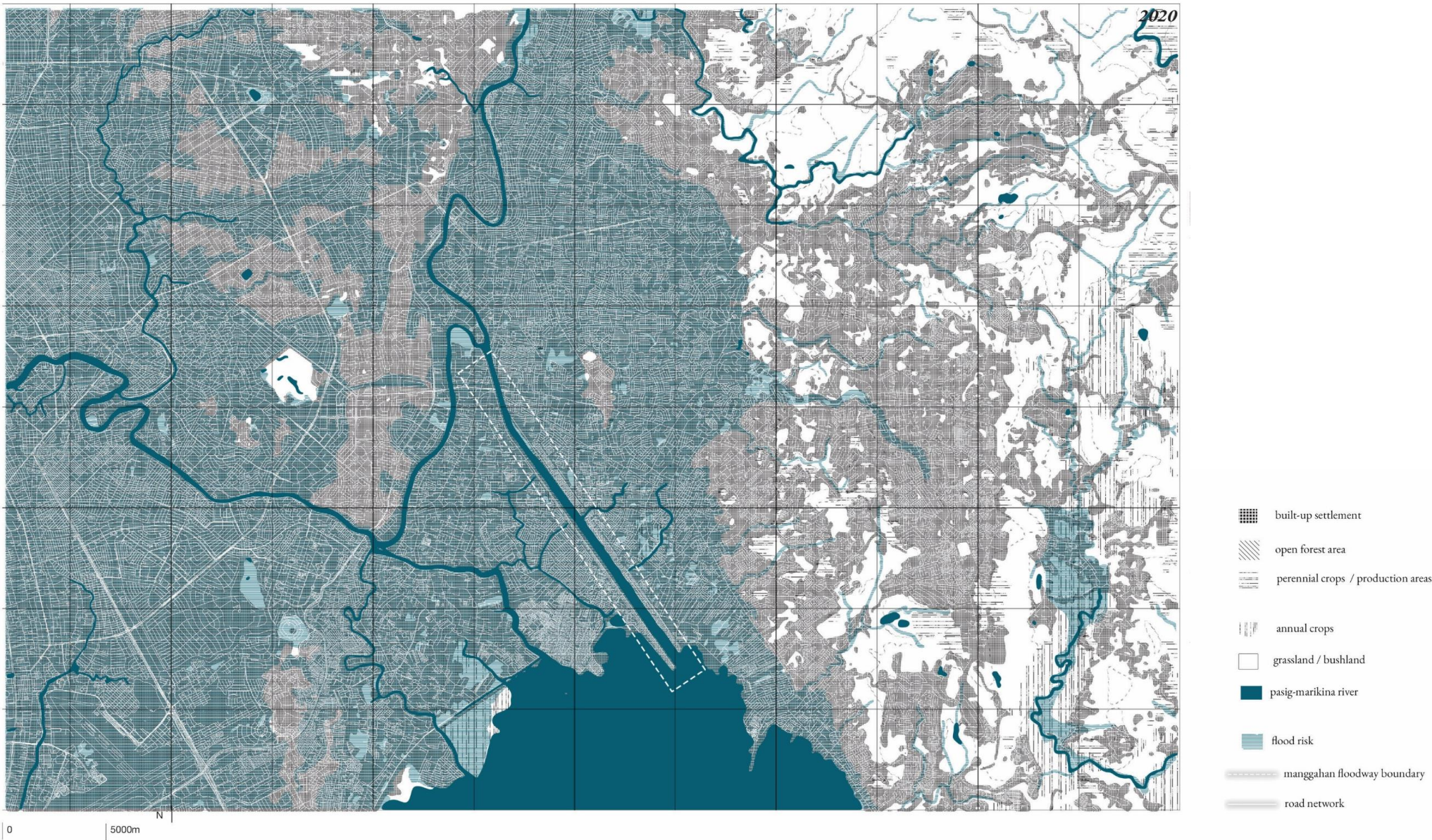
A River Interface Narrative
The Mouth



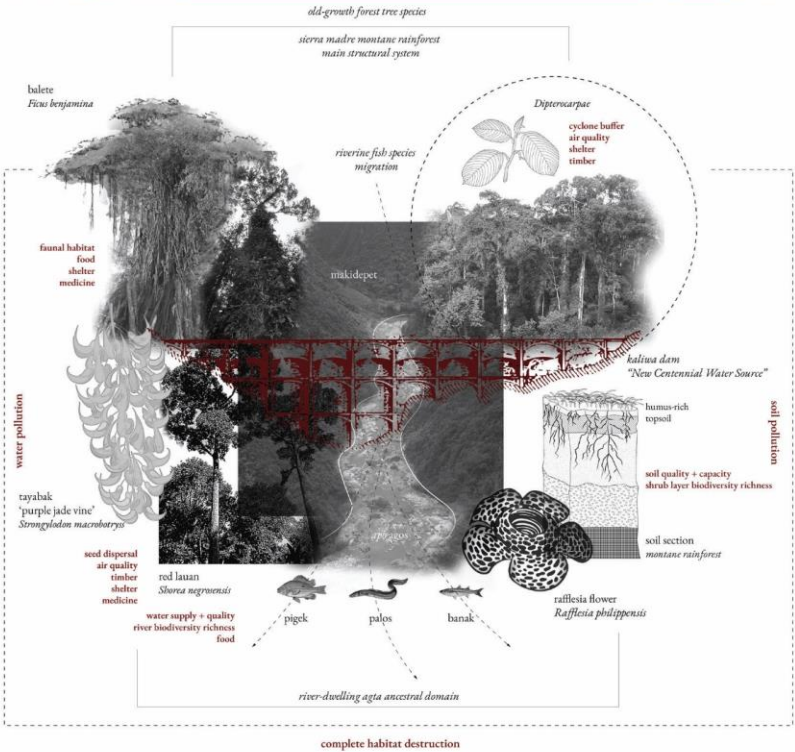
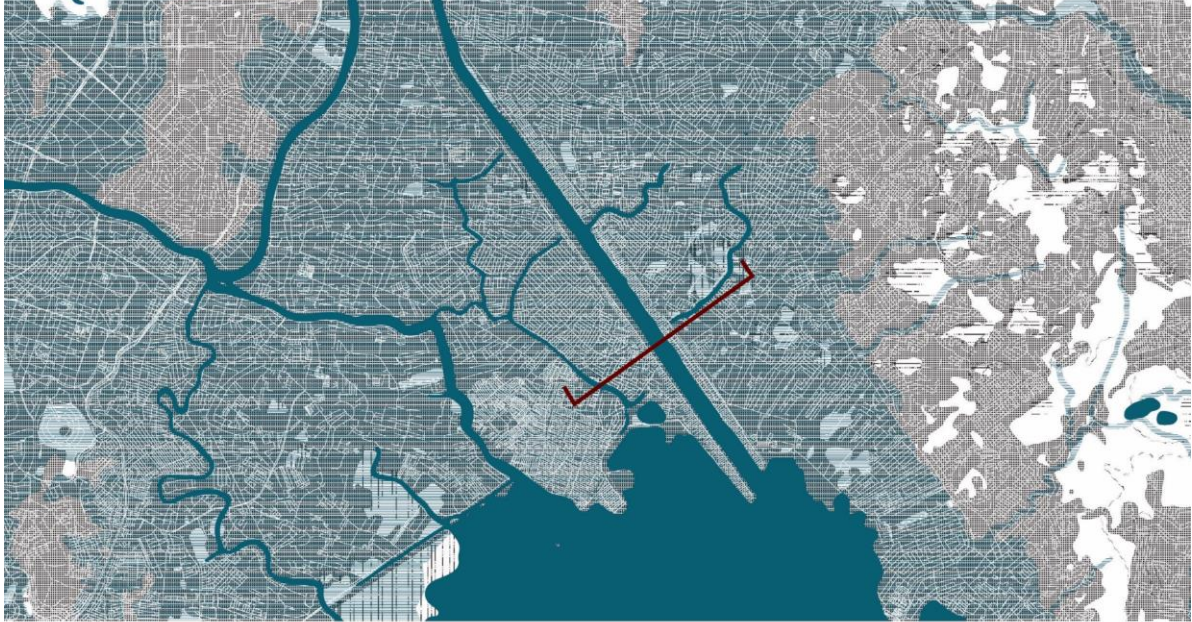
A River Interface Narrative

The Mouth

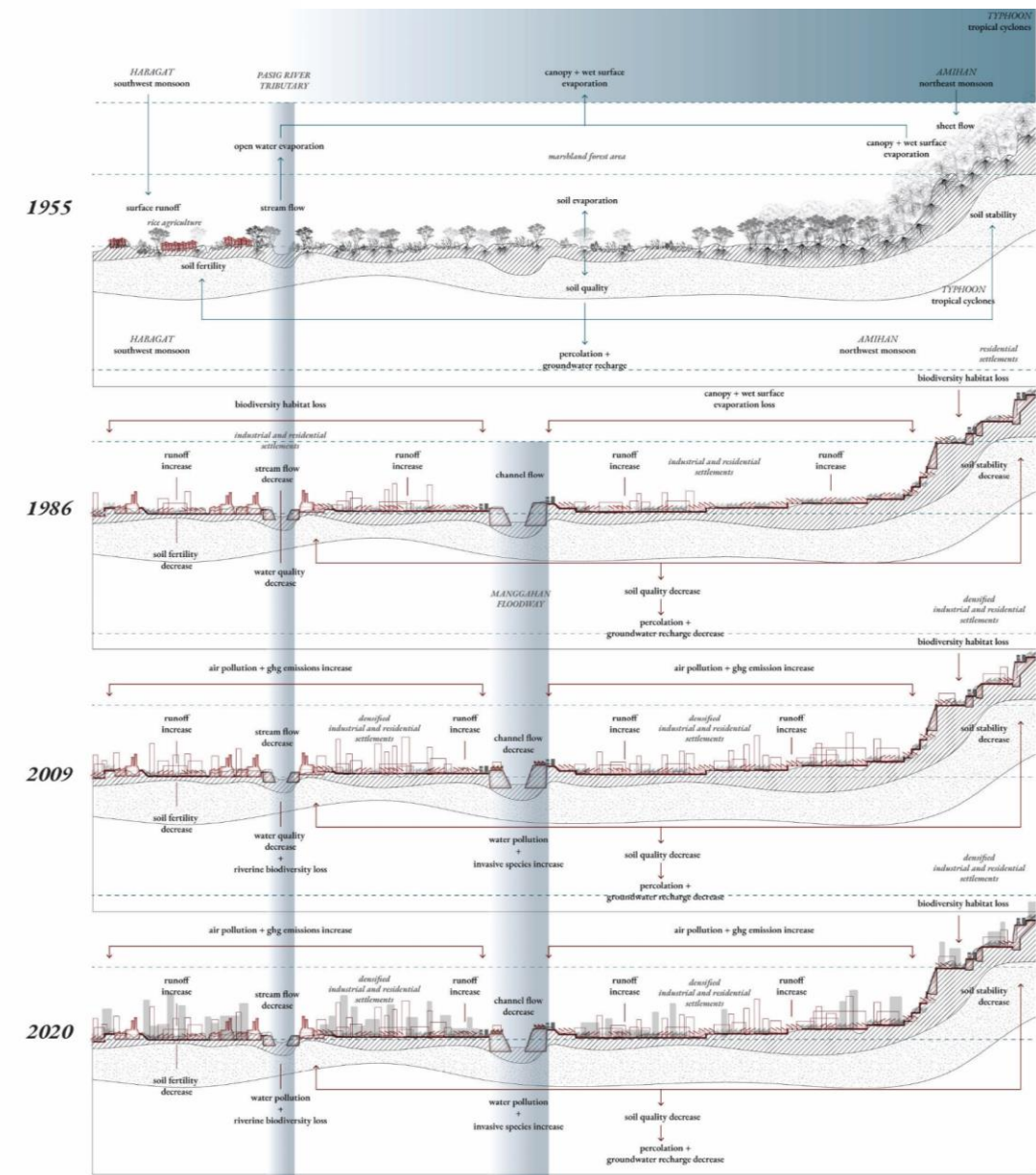
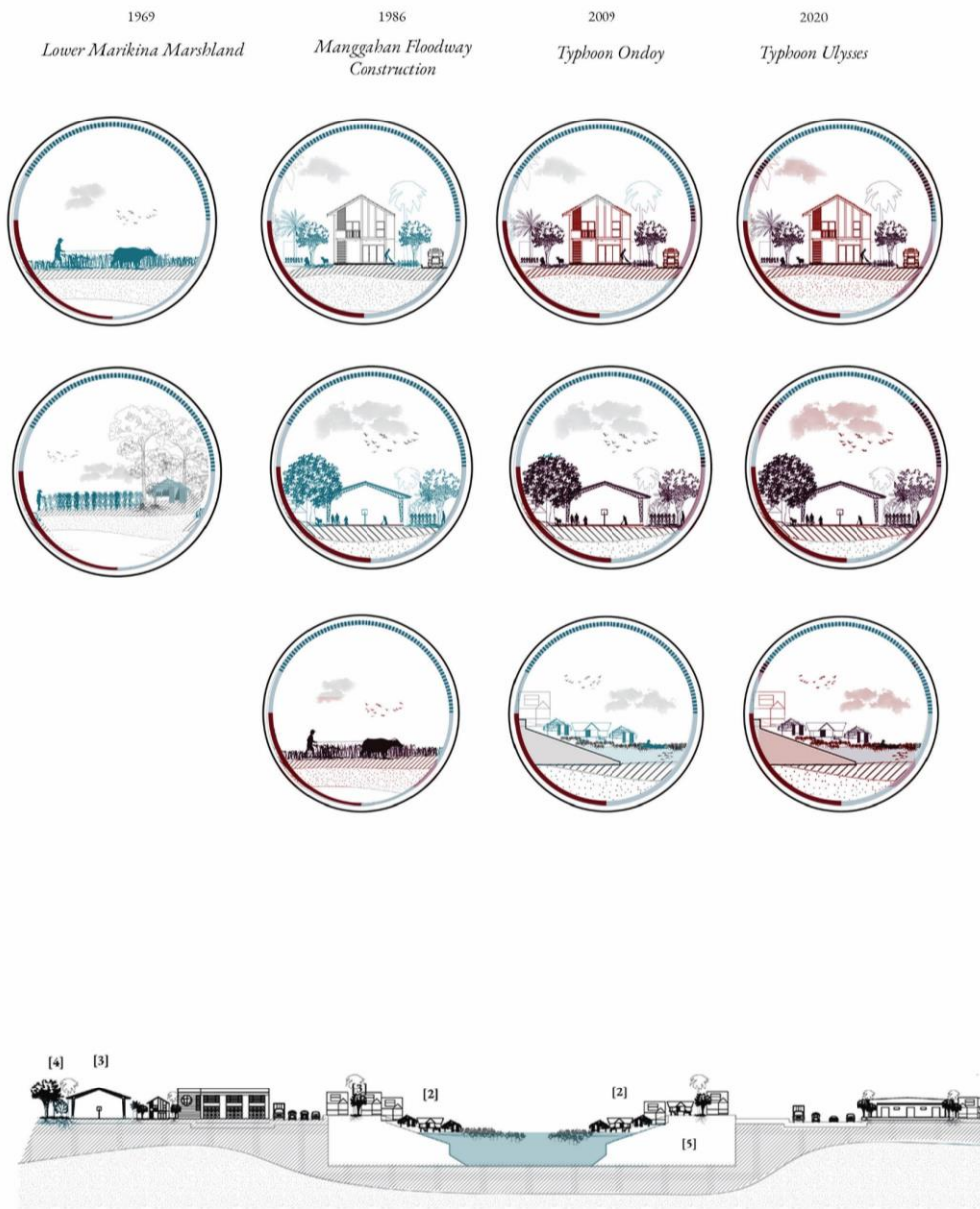
The Mouth
Manggahan Floodway, Metro Manila, PHILIPPINES



A River Interface Narrative
The Mouth

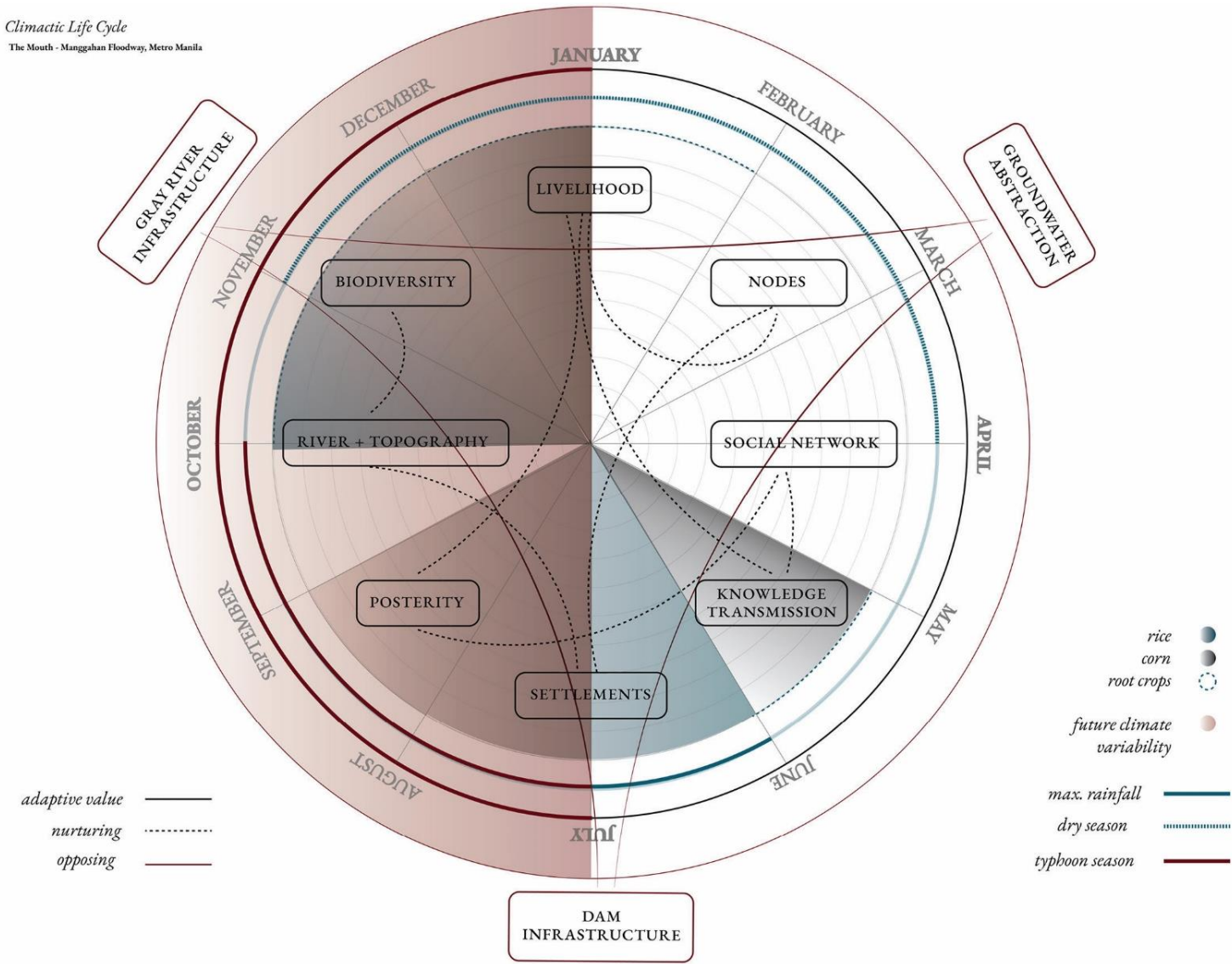


A River Interface Narrative
The Mouth



A River Interface Narrative
The Mouth

Climactic Life Cycle
The Mouth - Manggahan Floodway, Metro Manila



The Interactions Diagram of
Climate-Development Aggression-Values of the Riversapce
and Agricultural Productivity at the Mouth

A River Interface Narrative
The Mouth



the key

Memory as Key
Nostalgia as Design Strategy

*“Culture is our most important
instrument of adaptation.”*

*“We remember to
remember”* *—————→* *Culture* *—————→* *Adaptation*

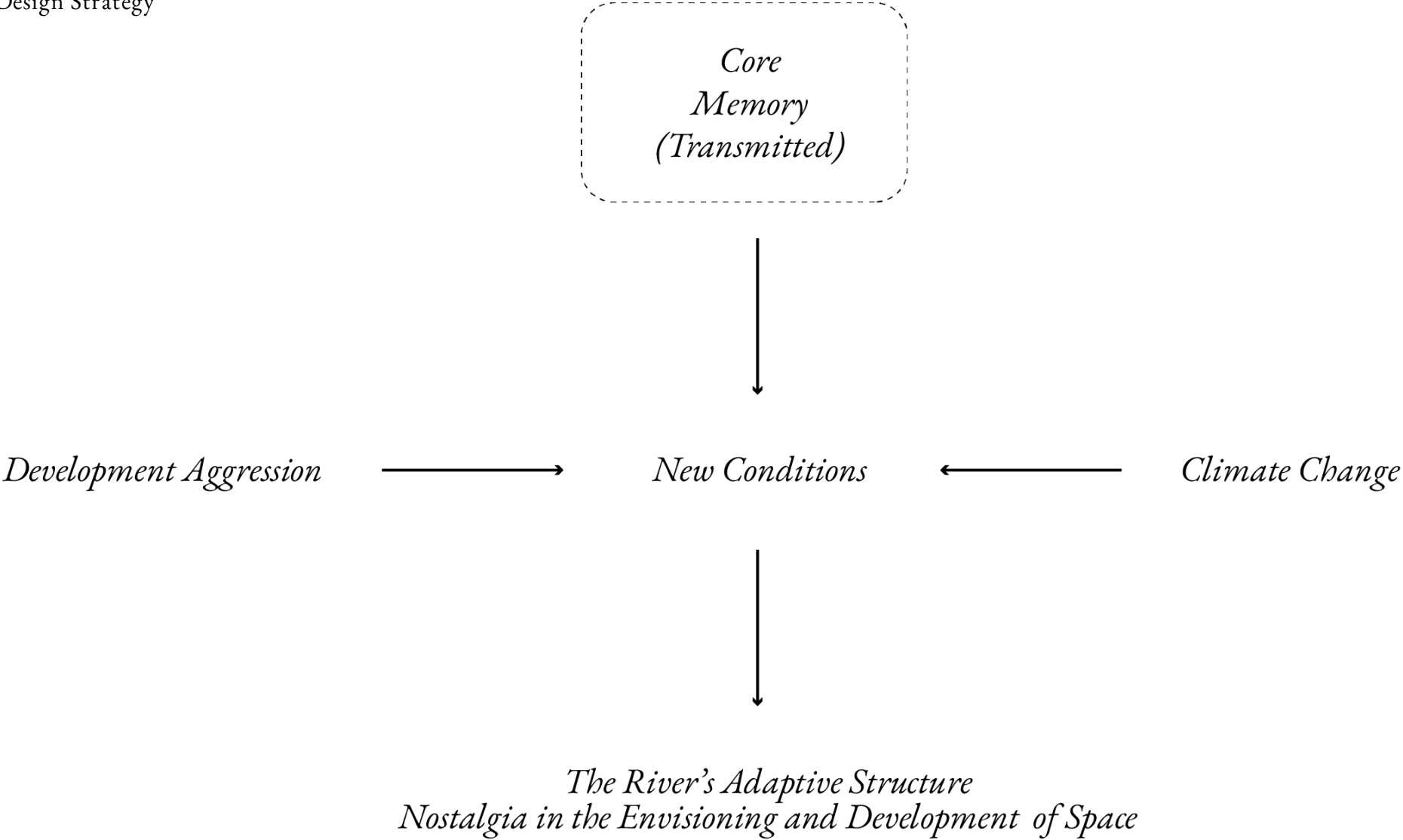
Culture



*“Nostalgia is a response to self-discontinuity
and a source of self-continuity. ”*

*Core
Memory
(Transmitted)*

*Struggle is needed to reinforce self-identity,
and through memory, its resilience or
continuity is reinforced, even evolved.*



The River's Adaptive Structure Nostalgia in the Envisioning and Development of Space

Memory

Consciousness

Organization



AGENCY

*Rights and Land Tenure
Power and Freedom to Mobilize
Empowerment through Participation
ILKS/TEK Recognition + Implementation
Removal of Inequality Barriers*



ASSETS

*Financial Capacity
Basic Social Services
Sustainable Infrastructure
Technological Capacity*



FLEXIBILITY

*Resource + Livelihood Adaptability
Diversity Potentials
Switching Adaptation Strategies*



LEARNING

*Capacity to Absorb and Generate New Knowledge
Supporting Processes for Critical Education
Information Dissemination*



SOCIAL ORGANIZATION

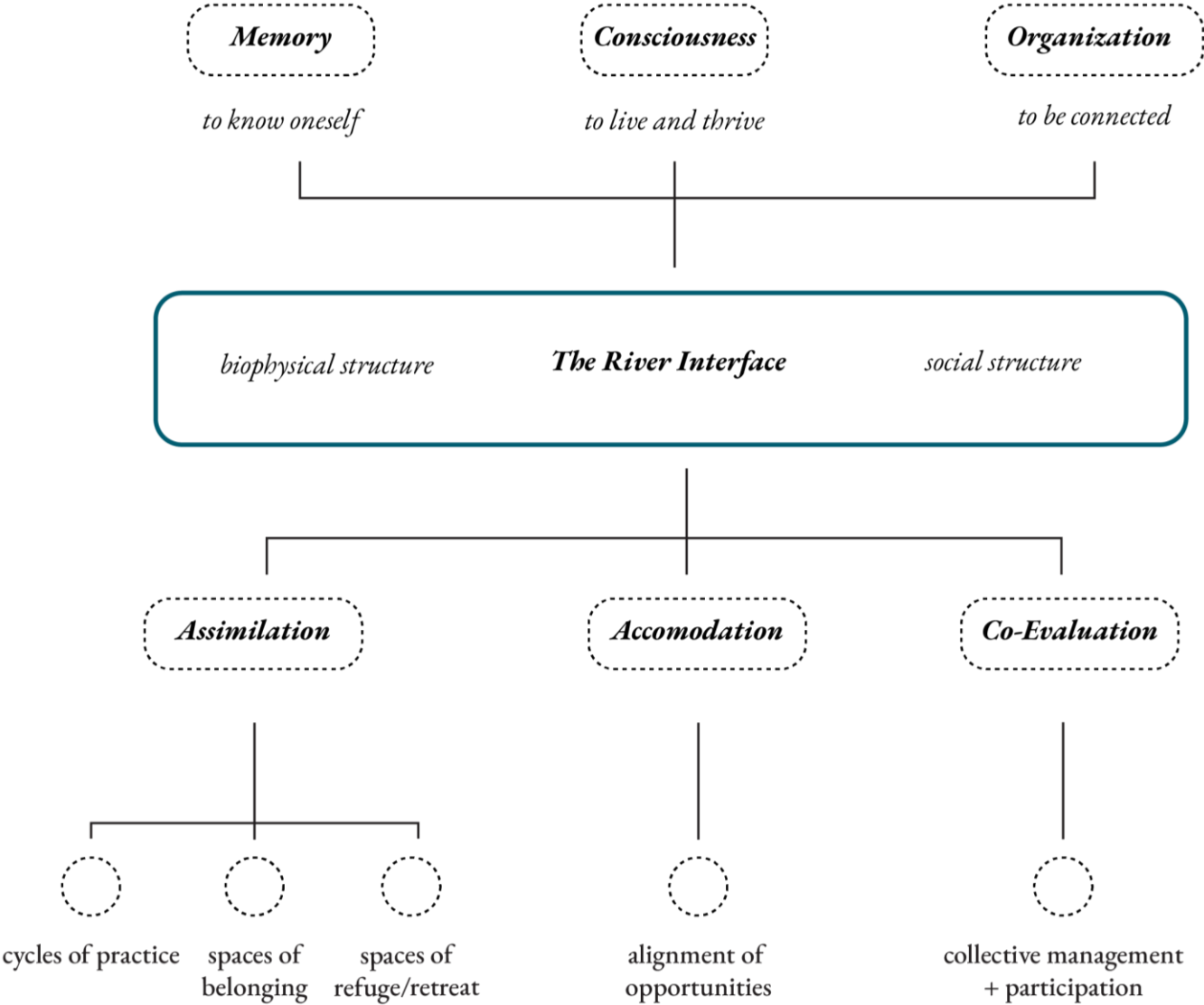
*Bonding / Networking Capital
Level of Trust and Social Cohesion
Cooperative, Collective Action, +
Knowledge Sharing Capacities*

capacities

territory

processes

strategies



Memory as Key
Nostalgia as Design Strategy

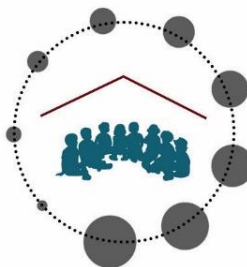
cycles of practice



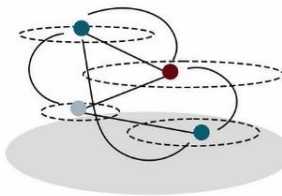
space for belonging



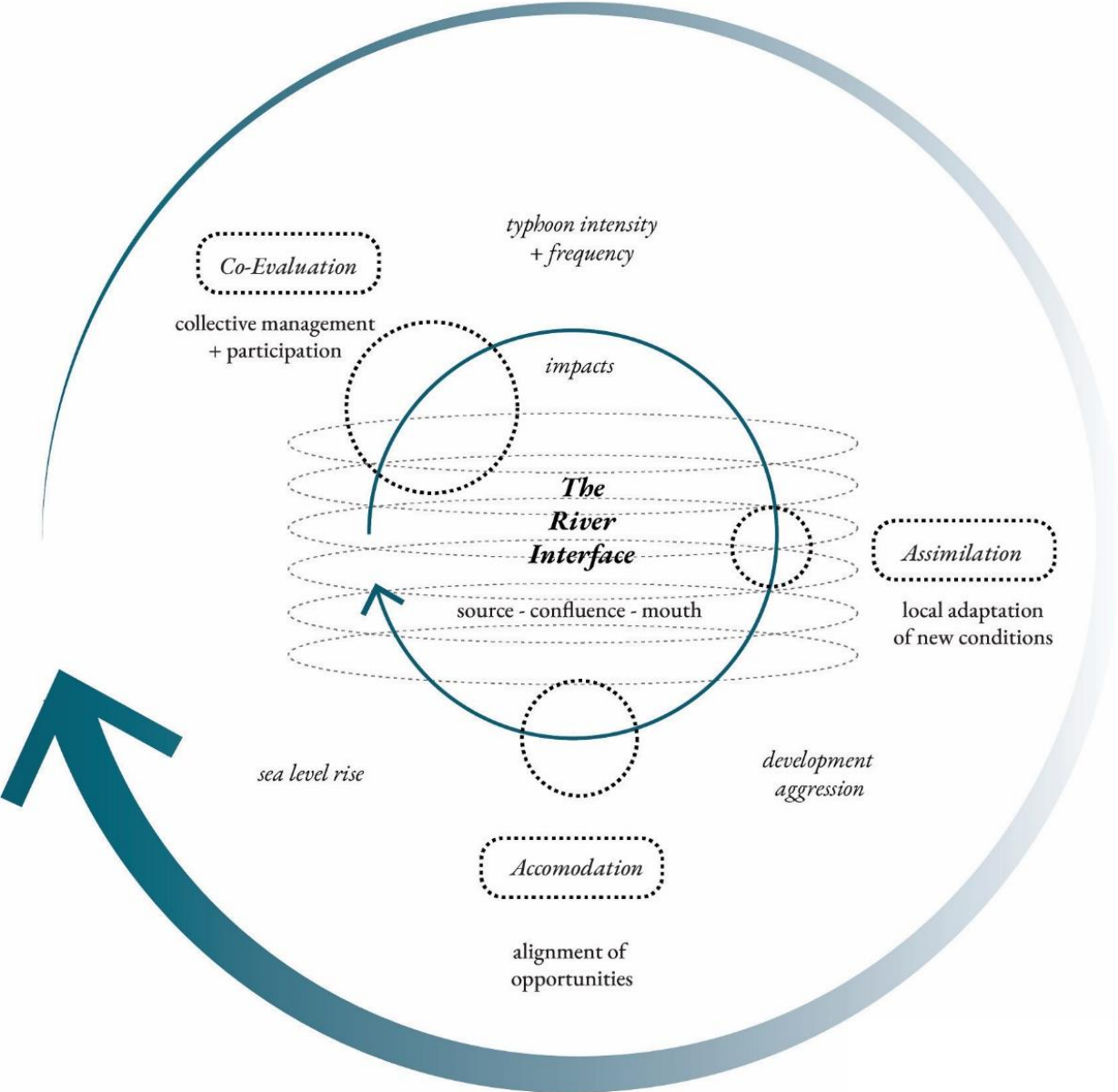
space for refuge/retreat



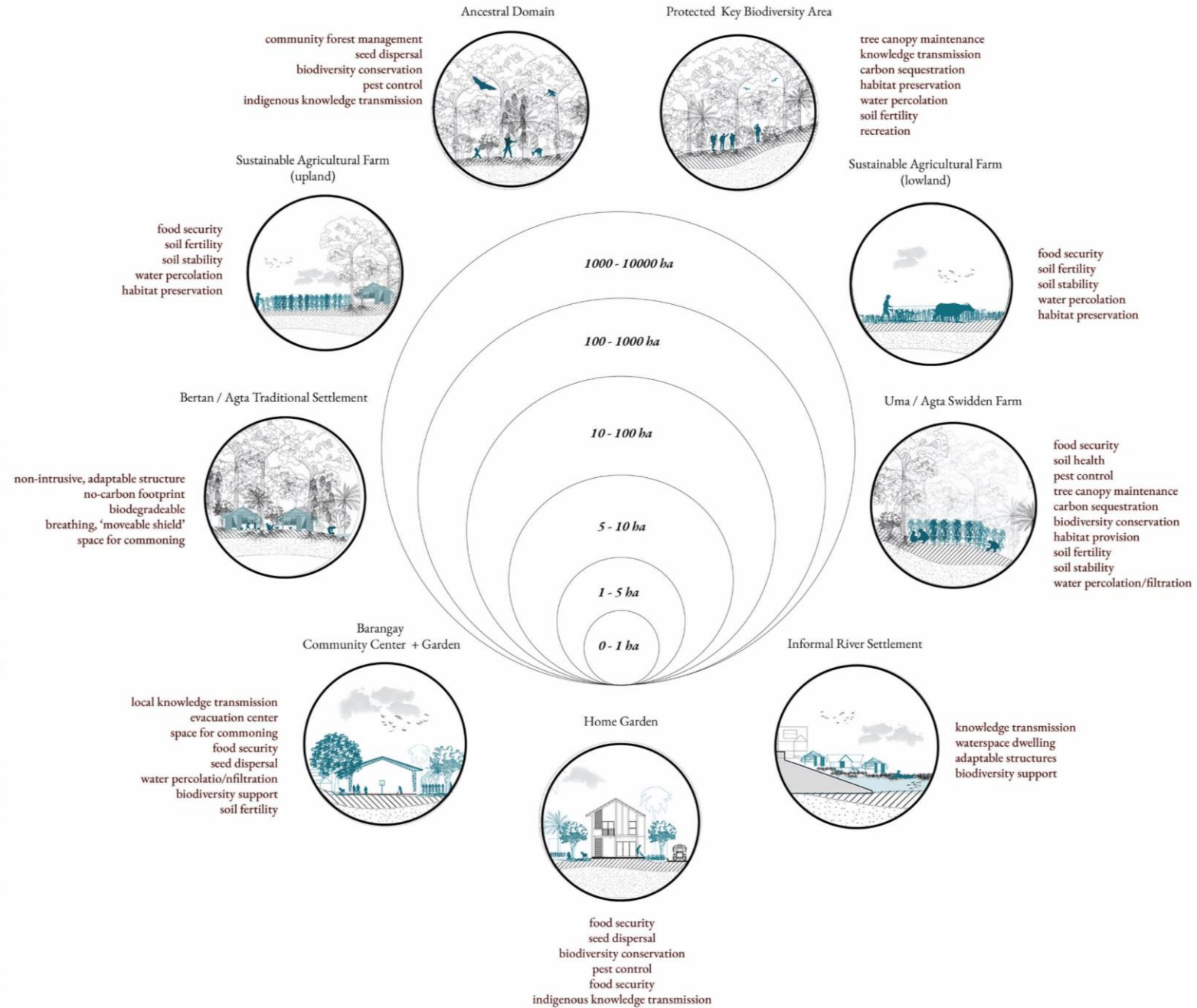
co-management + participation



Memory as Key
Nostalgia as Design Strategy

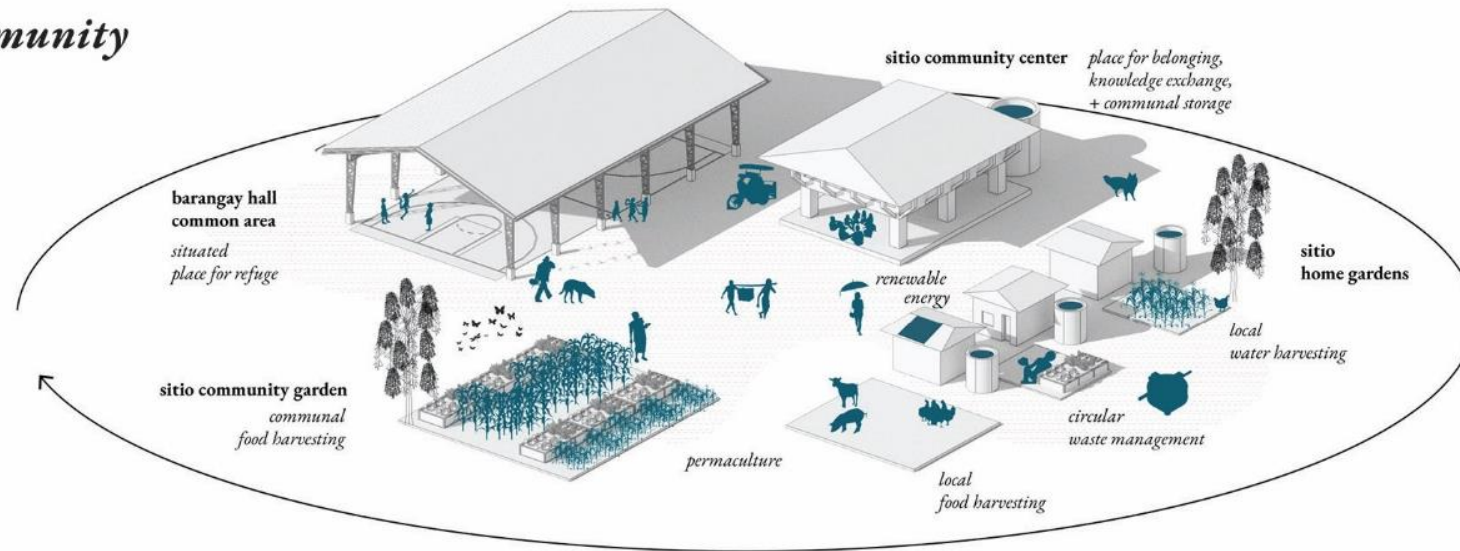


Memory as Key
Nostalgia as Design Strategy

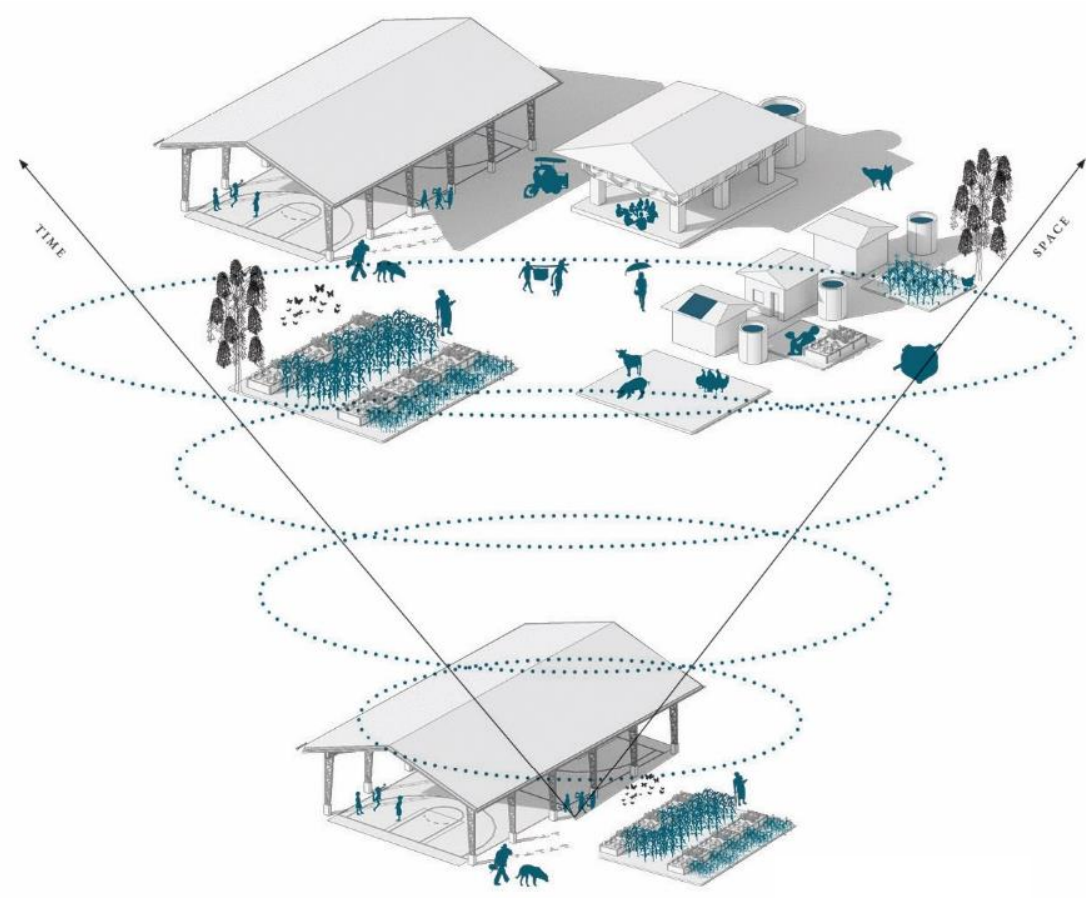


LOCAL ADAPTIVE PRACTICE 01

the bertan - sitio community

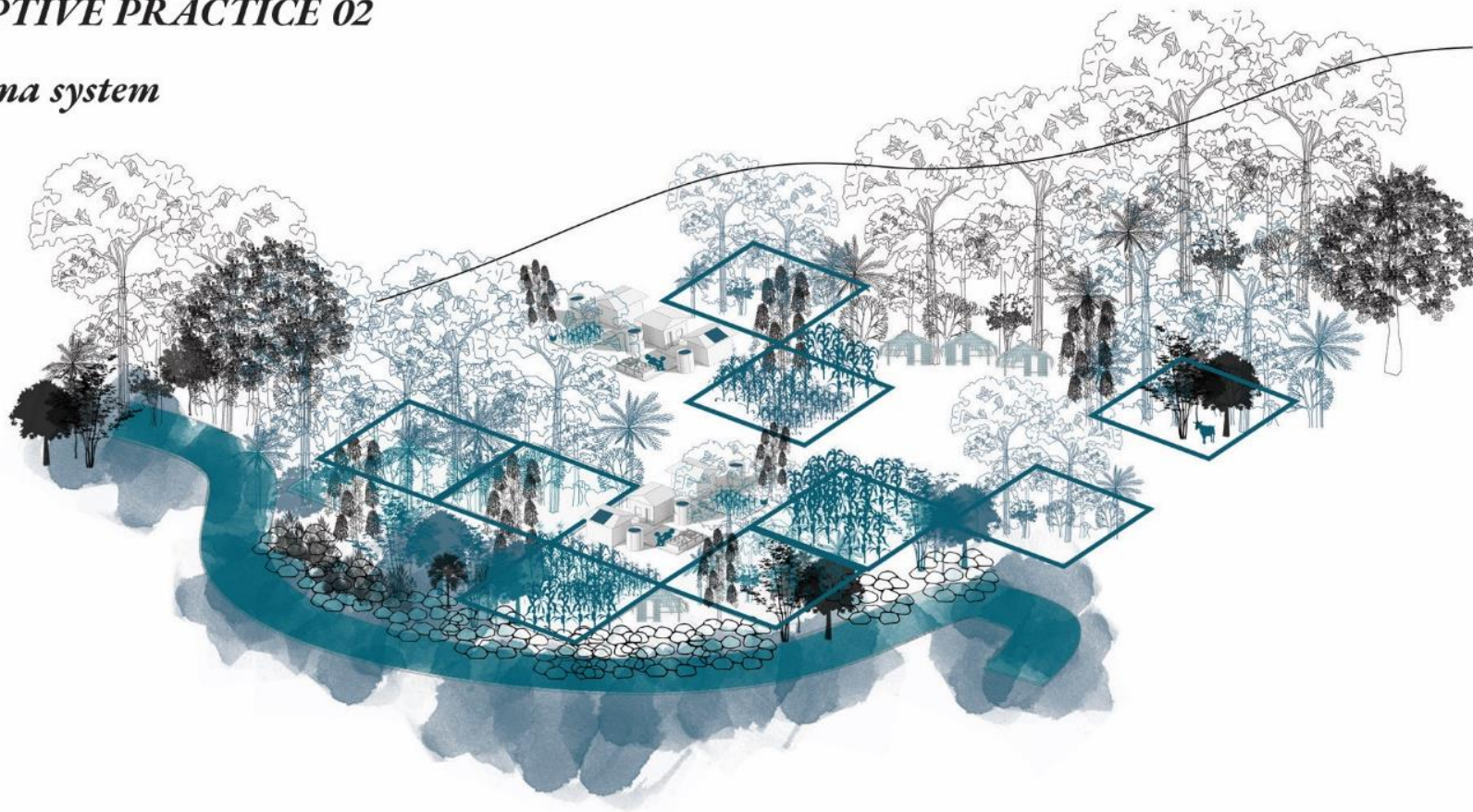


Memory as Key
Nostalgia as Design Strategy

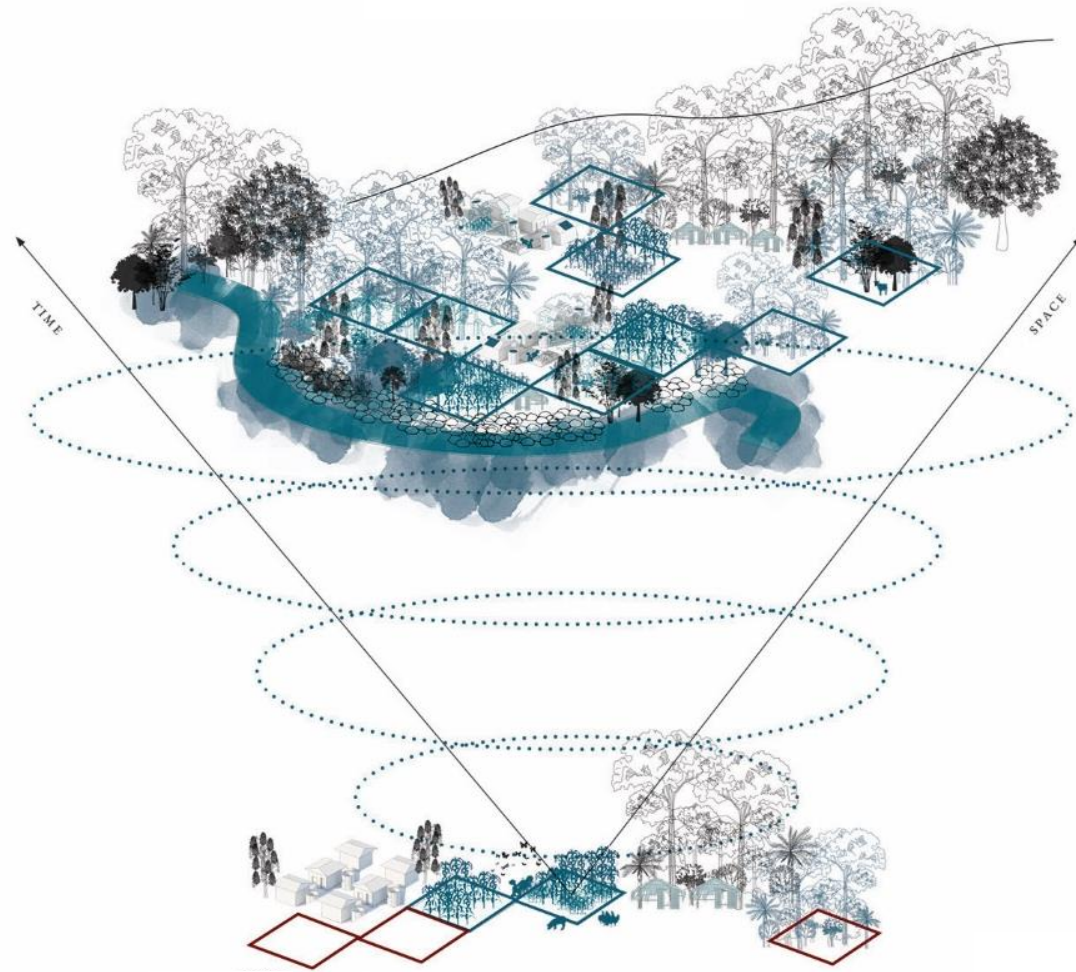


LOCAL ADAPTIVE PRACTICE 02

the renewed uma system



Memory as Key
Nostalgia as Design Strategy

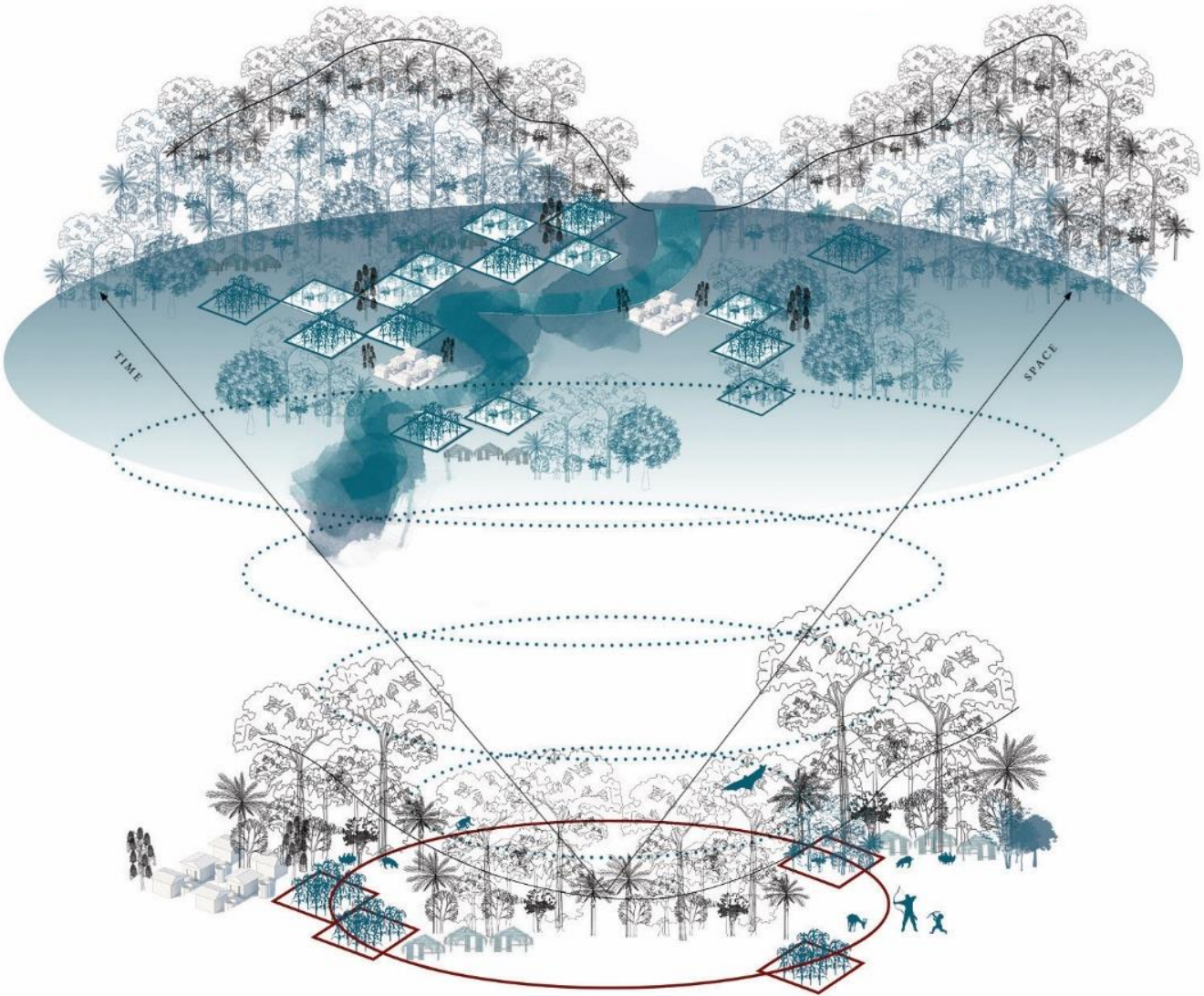


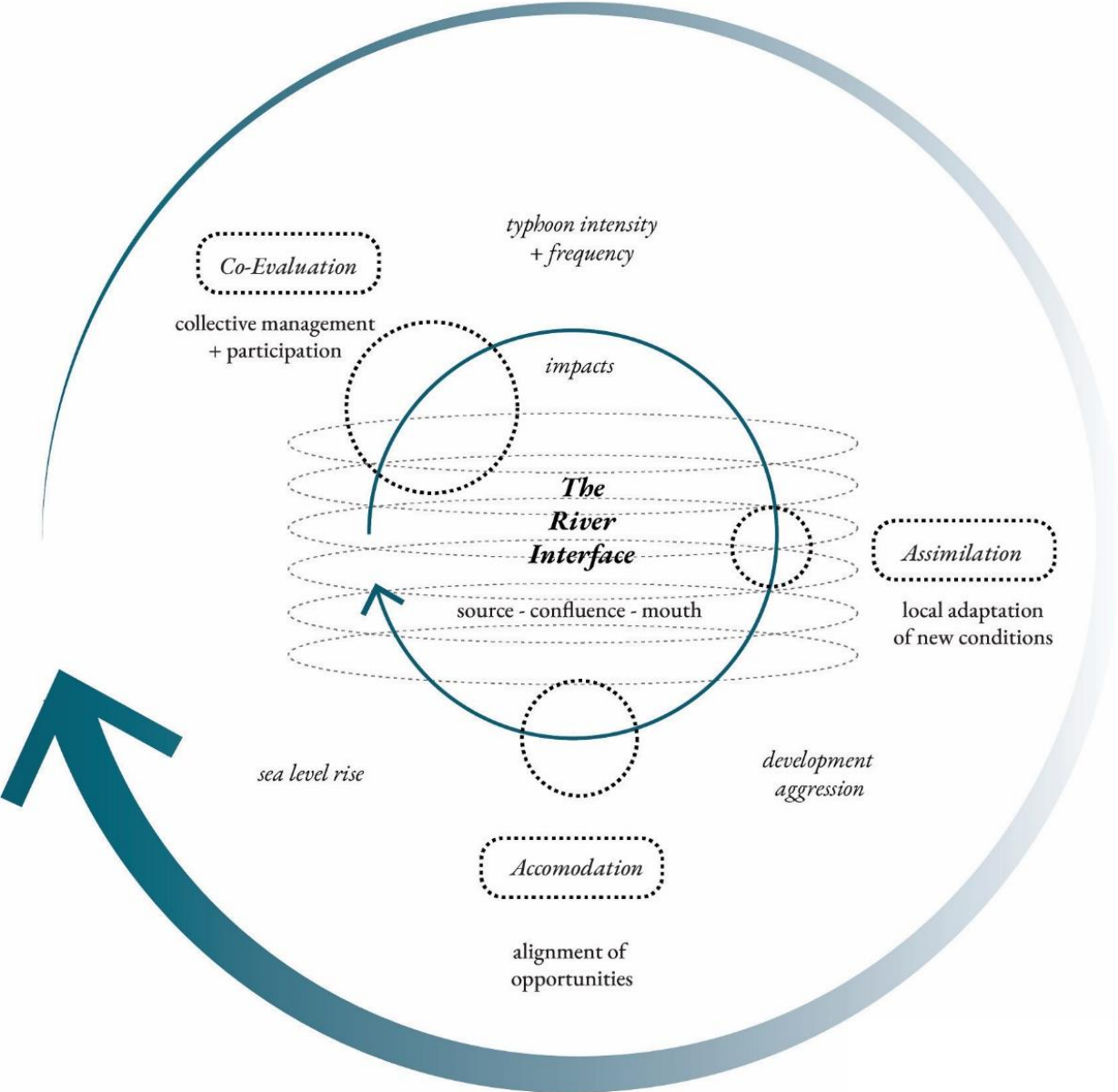
LOCAL ADAPTIVE PRACTICE 03

community rainforest management

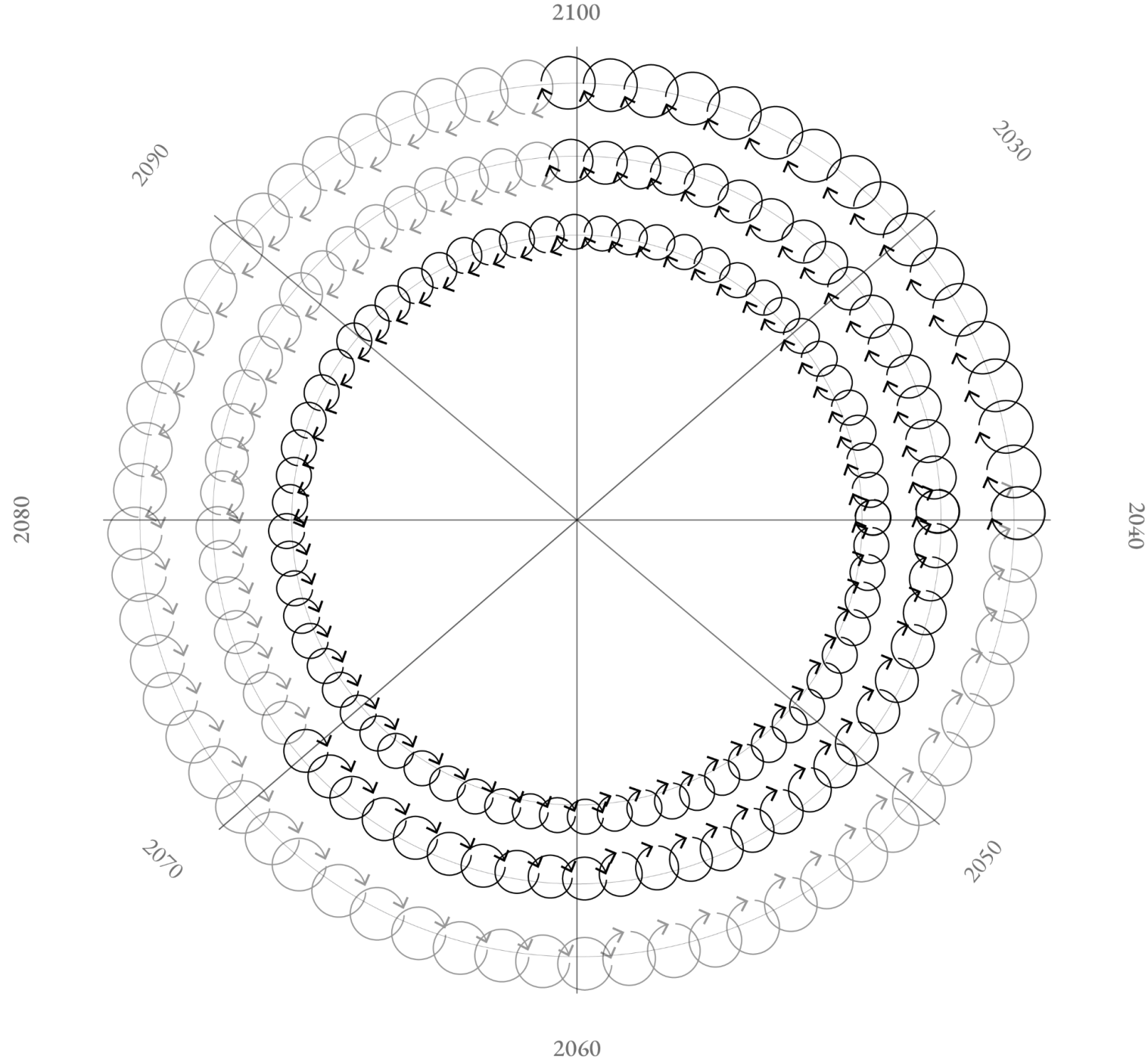


Memory as Key
Nostalgia as Design Strategy

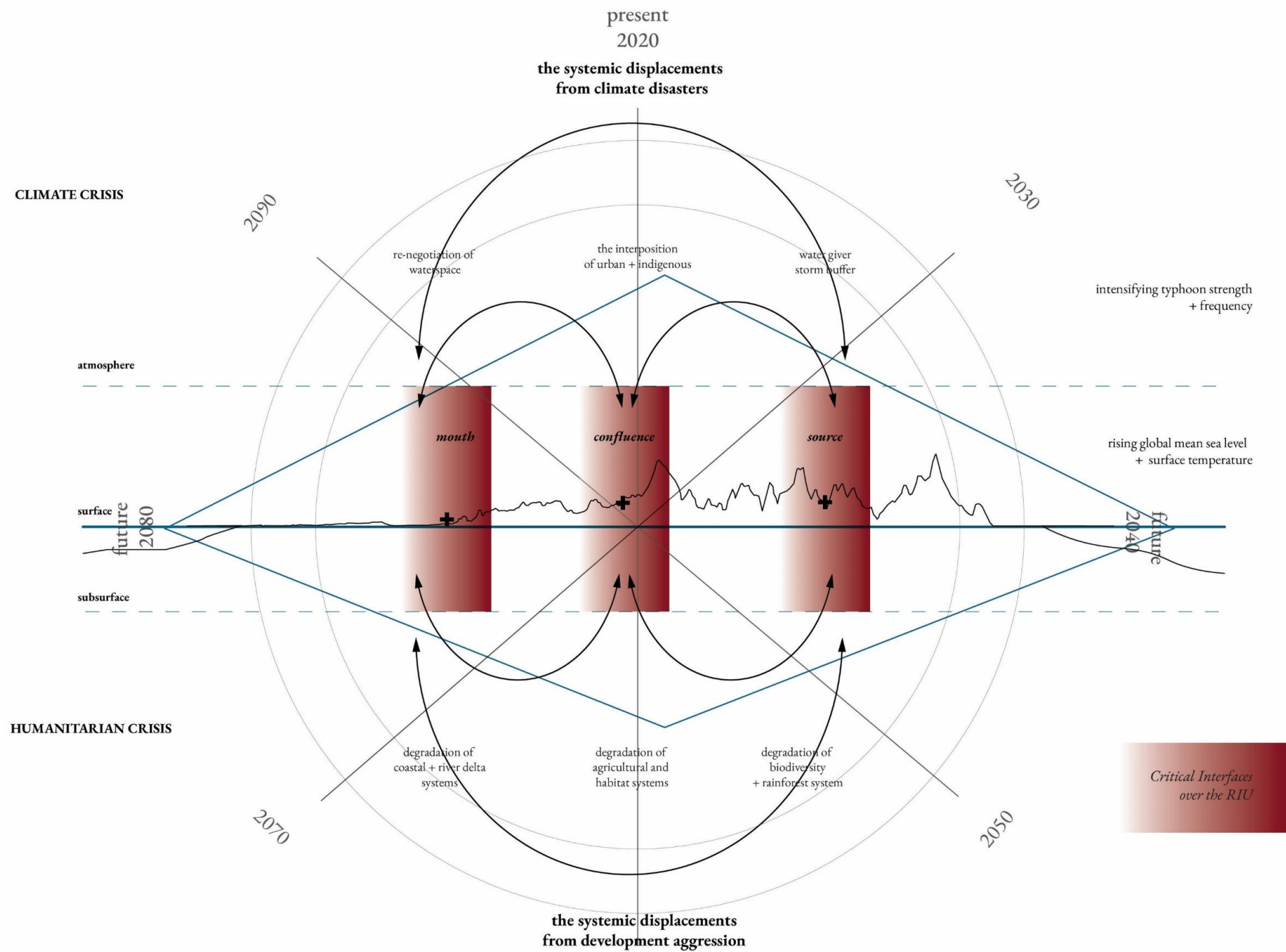




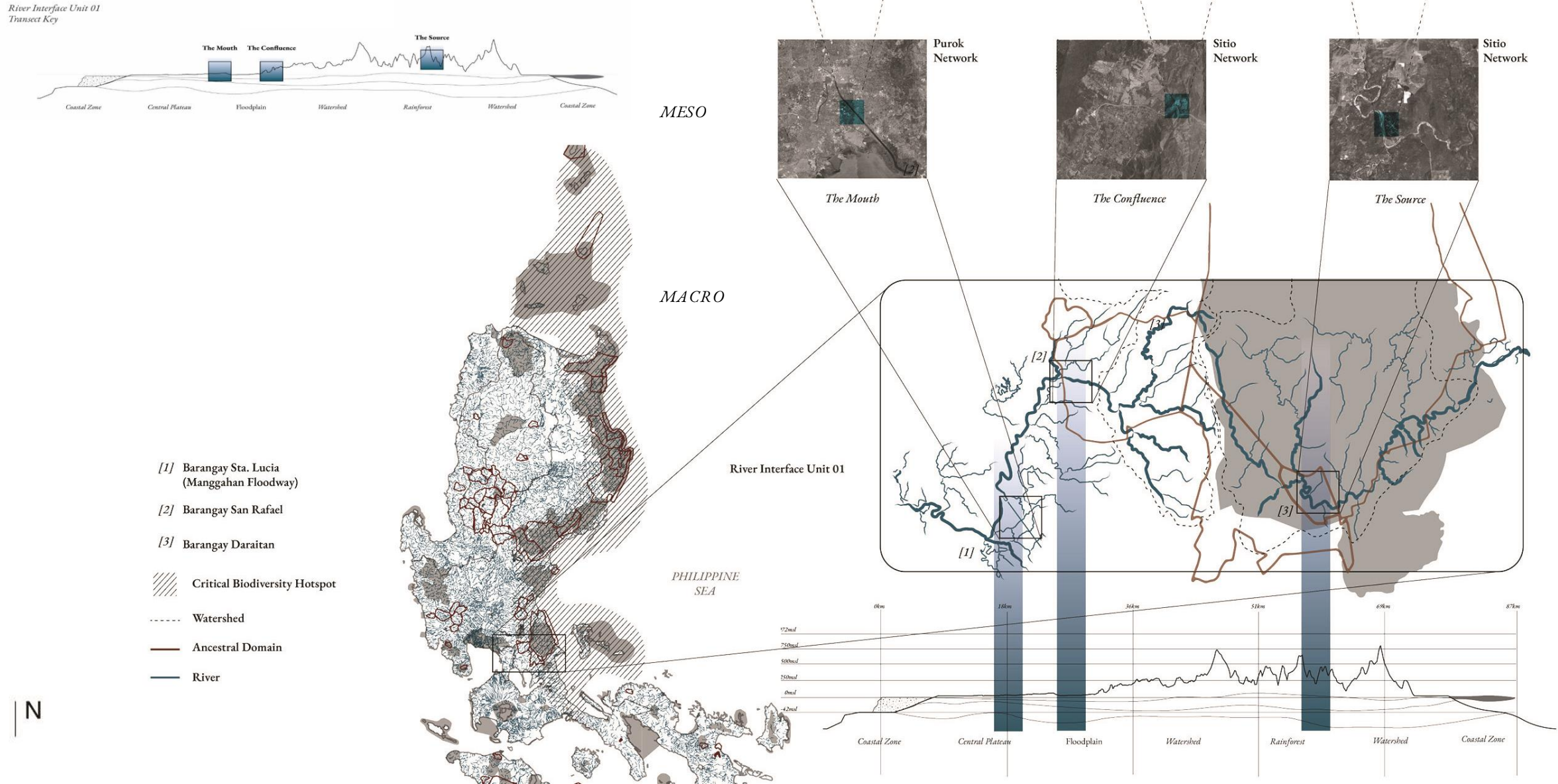
Memory as Key
Nostalgia as Design Strategy



freedom



A Transitional Planning Model
Scales of Intervention
Spatial



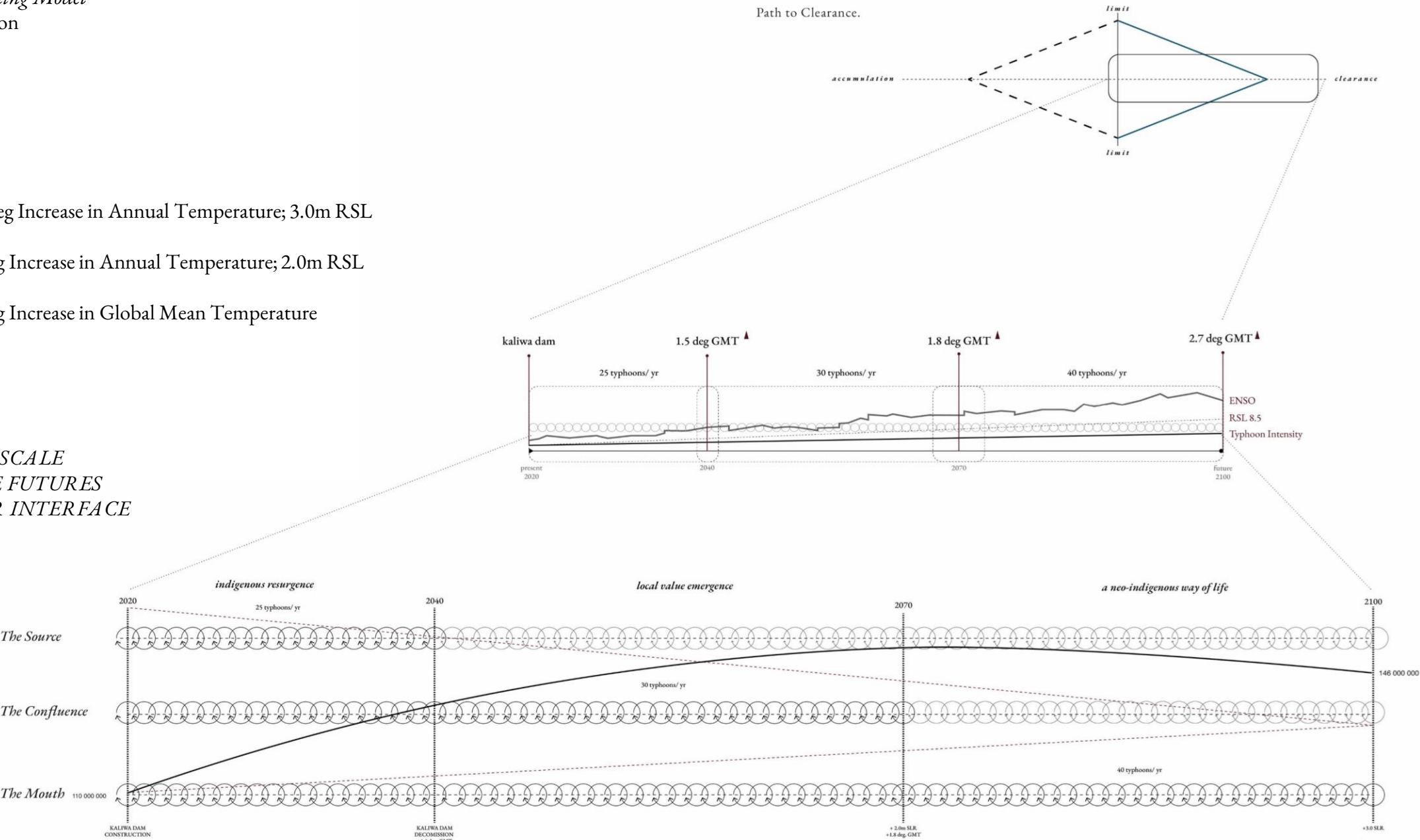
A Transitional Planning Model
Scales of Intervention
Temporal

Future 2100: 2.70 deg Increase in Annual Temperature; 3.0m RSL

Future 2070: 1.8 deg Increase in Annual Temperature; 2.0m RSL

Future 2040: 1.5 deg Increase in Global Mean Temperature

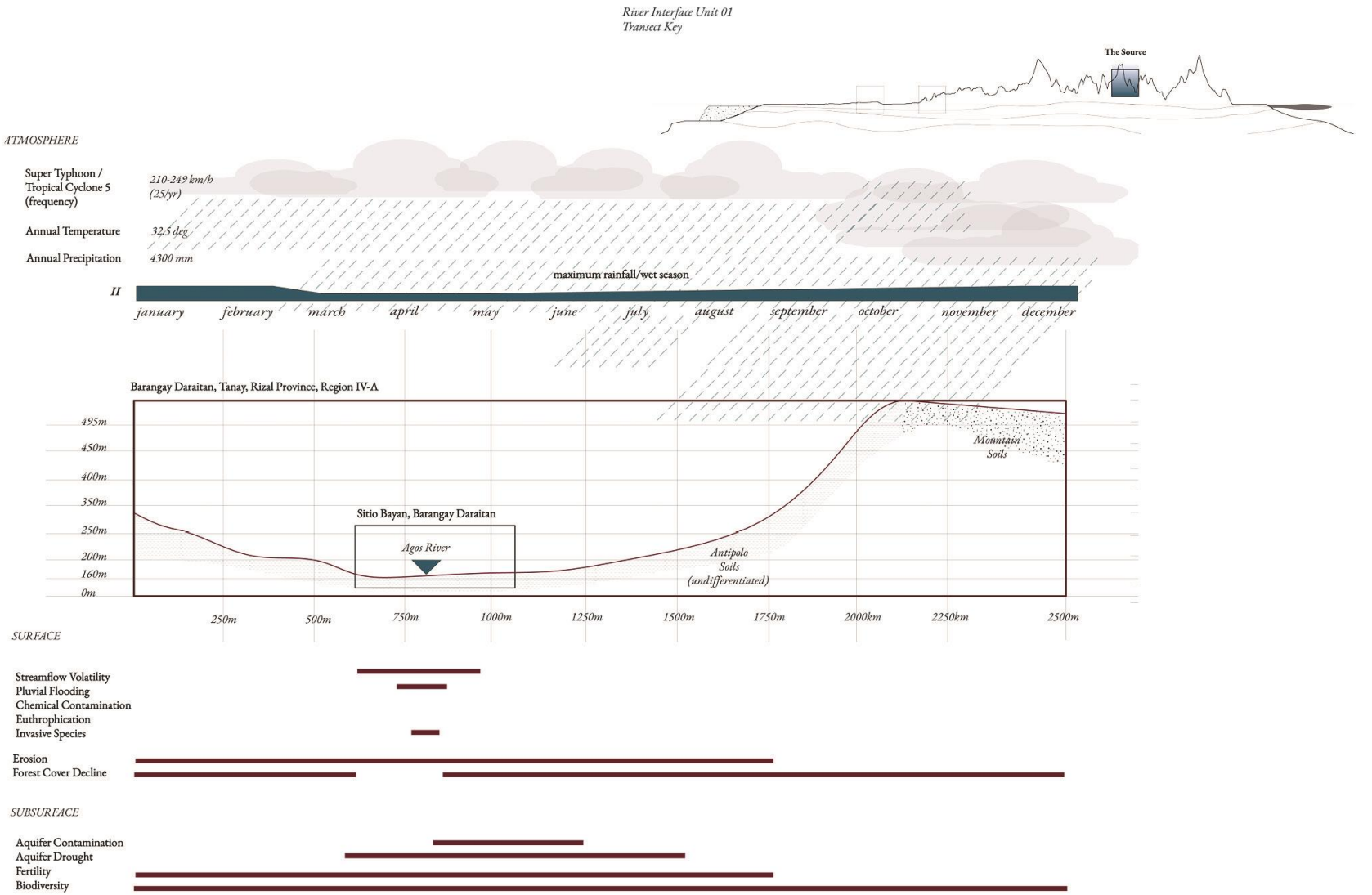
THE TEMPORAL SCALE
FOR COLLECTIVE FUTURES
OVER THE RIVER INTERFACE



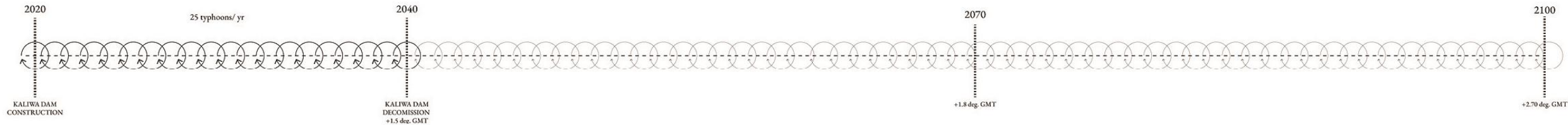
A Transitional Planning Model

The Source at 2040

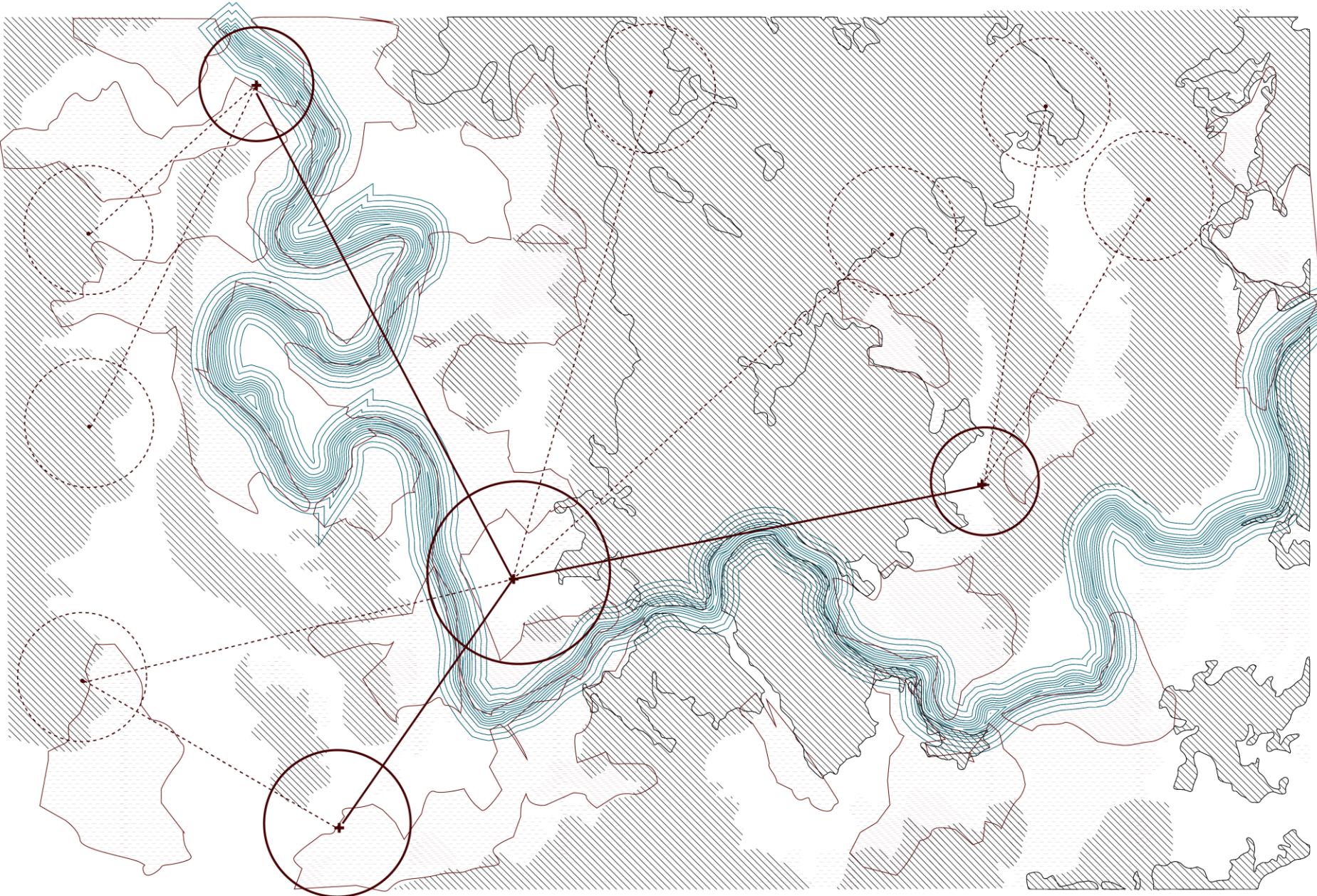
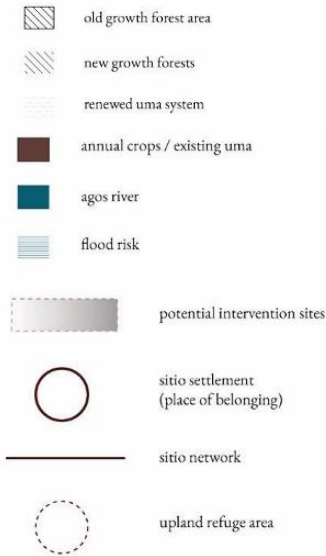
CONSEQUENCES OVER
SYSTEMIC SECTION
OF THE SOURCE - 2040



Projected
Future Timeline
(linear scale)

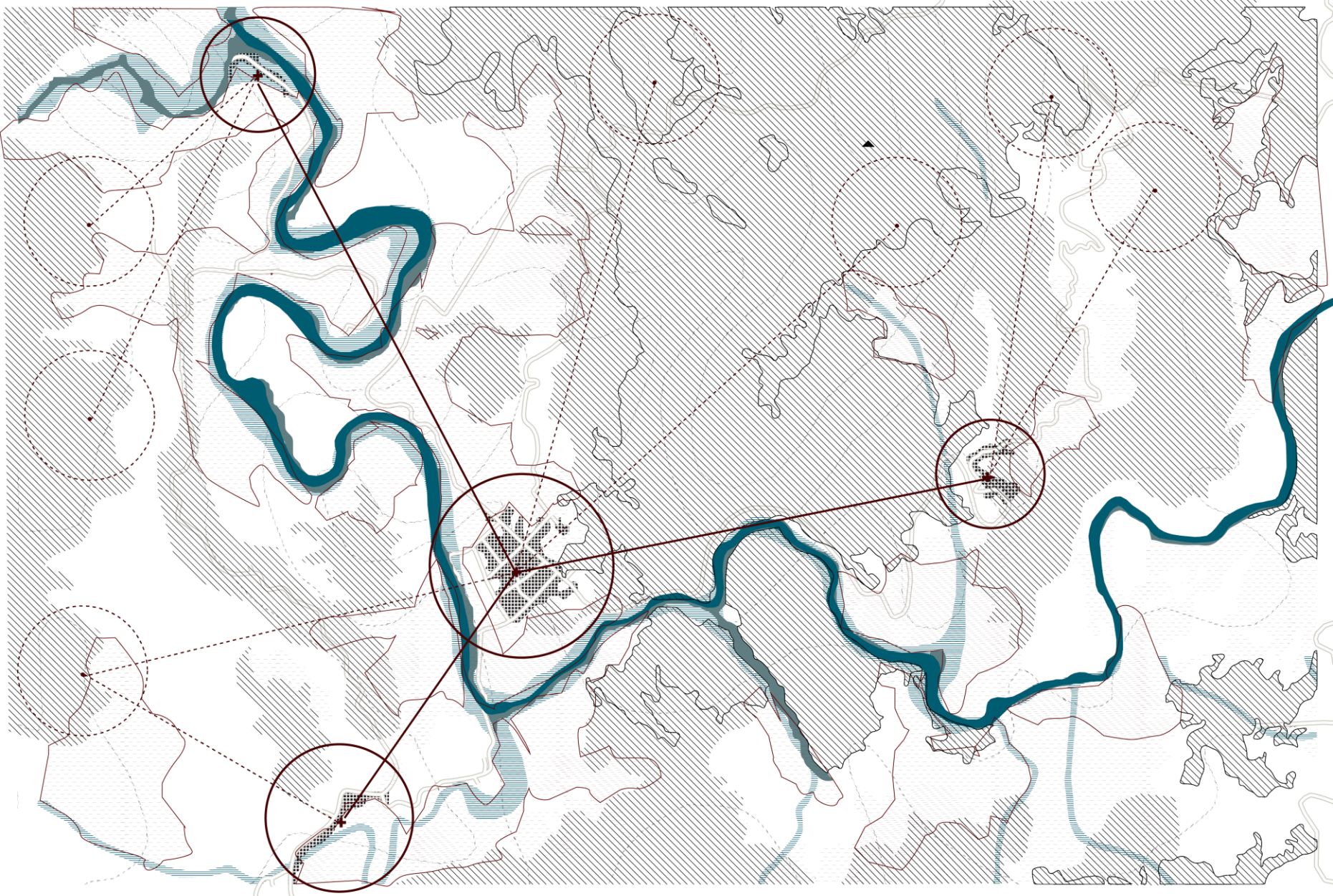


FUTURE NOSTALGIA
FROM DEPLETION + STATICS
TO ABUNDANCE + MOVEMENT



FUTURE NOSTALGIA
FROM DEPLETION + STATICS
TO ABUNDANCE + MOVEMENT

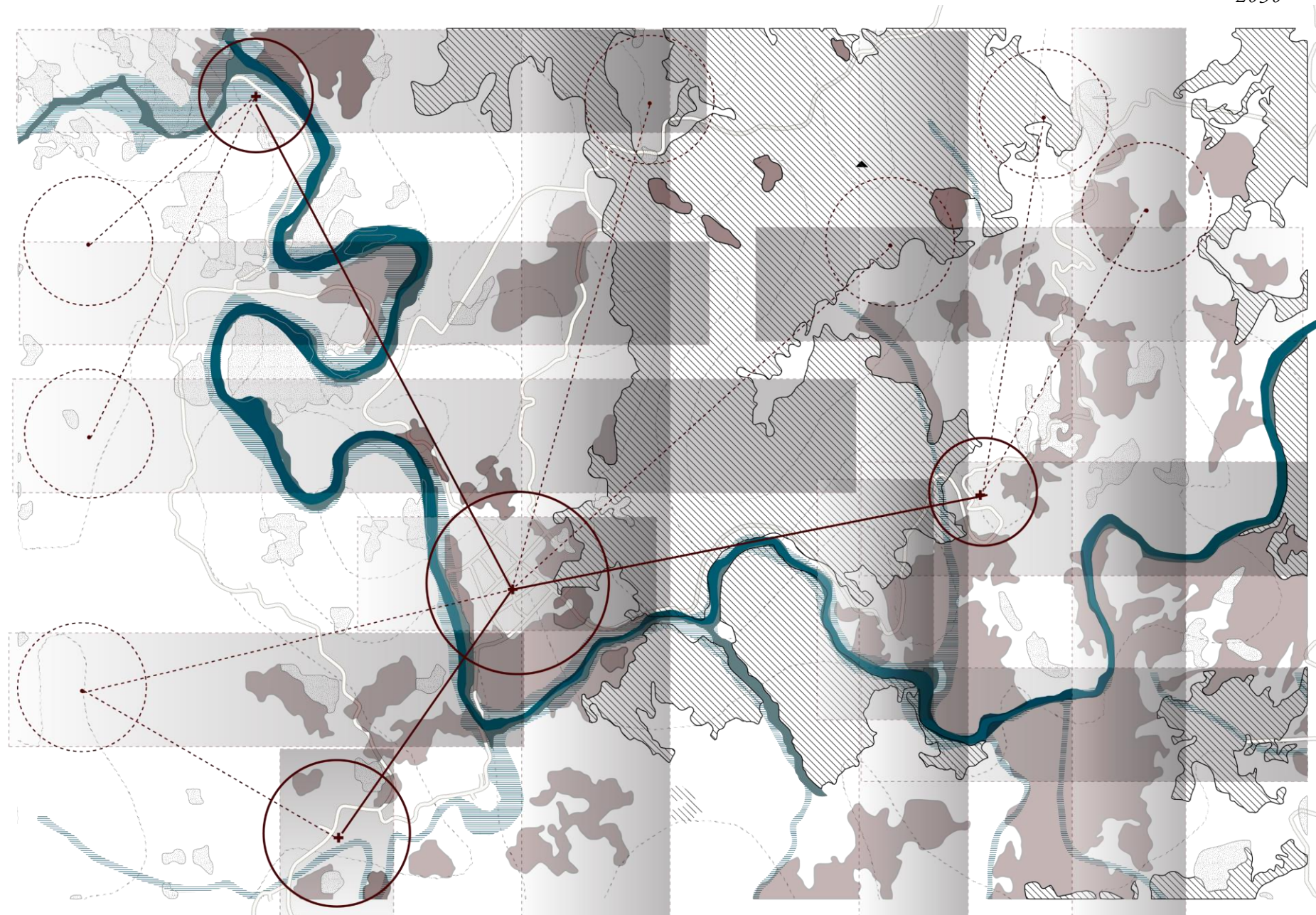
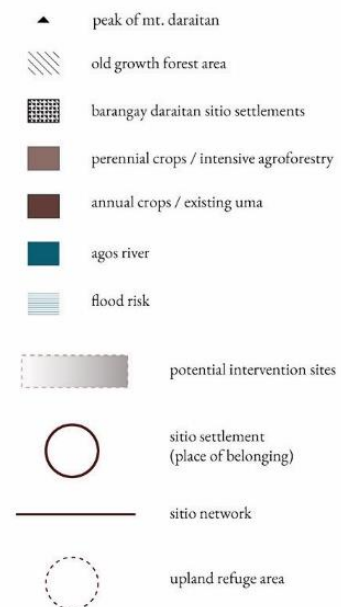
- ▲ peak of mt. daraitan
- old growth forest area
- new growth forests
- renewed uma system
- annual crops / existing uma
- agos river
- flood risk
- potential intervention sites
- sitio settlement (place of belonging)
- sitio network
- upland refuge area



A Transitional Planning Model
The Source at 2040

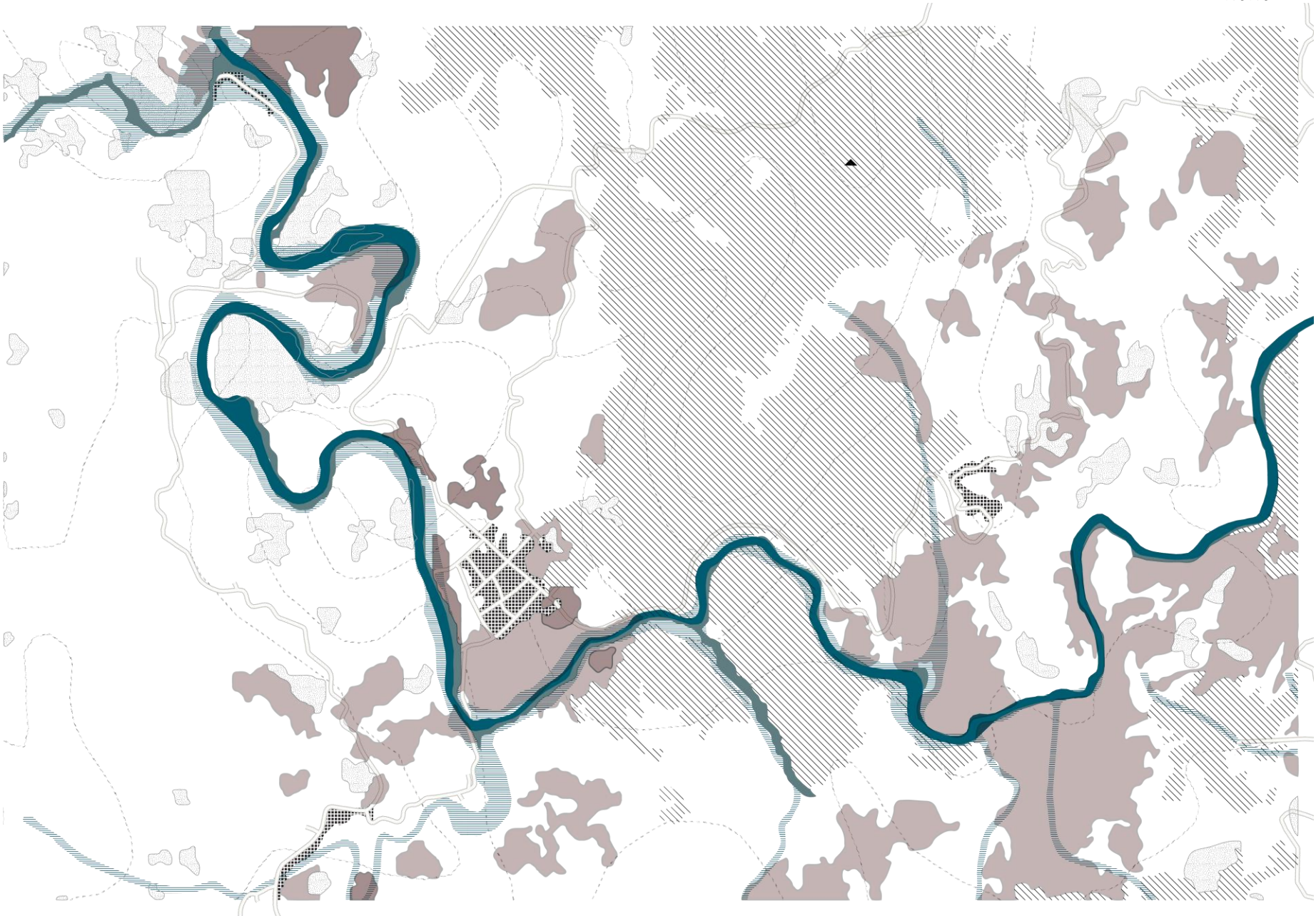
FUTURE NOSTALGIA

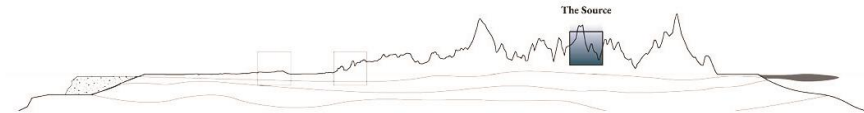
FROM DEPLETION + STATICS
TO ABUNDANCE + MOVEMENT



FUTURE NOSTALGIA
FROM DEPLETION + STATICS
TO ABUNDANCE + MOVEMENT

- ▲ peak of mt. daraitan
- old growth forest area
- barangay daraitan sitio settlements
- perennial crops / intensive agroforestry
- annual crops / existing uma
- agos river
- flood risk
- potential intervention sites
- sitio settlement (place of belonging)
- sitio network
- upland refuge area





MEMORY SYSTEM OBJECTIVES

Memory

SES RESTORATION

Protection of Old Growth Forests + Hunting Grounds / Sacred Sites

Recognition of ILKS in Sustainable Agroforestry Practices and the Expansion of Uma System

Management of Streamflow + New Uma System as Buffer

Organization

COMMUNITY BUILDING

Establishment of Sitio Community Center Network

Sitio and Barangay Community Forest + Biodiversity Management

Designation of Refuge/Retreat Areas

Consciousness

KNOWLEDGE TRANSMISSION

Development of Alternative Livelihood Streams - Basket-Weaving , Bow/Arrows , Yuro Flour

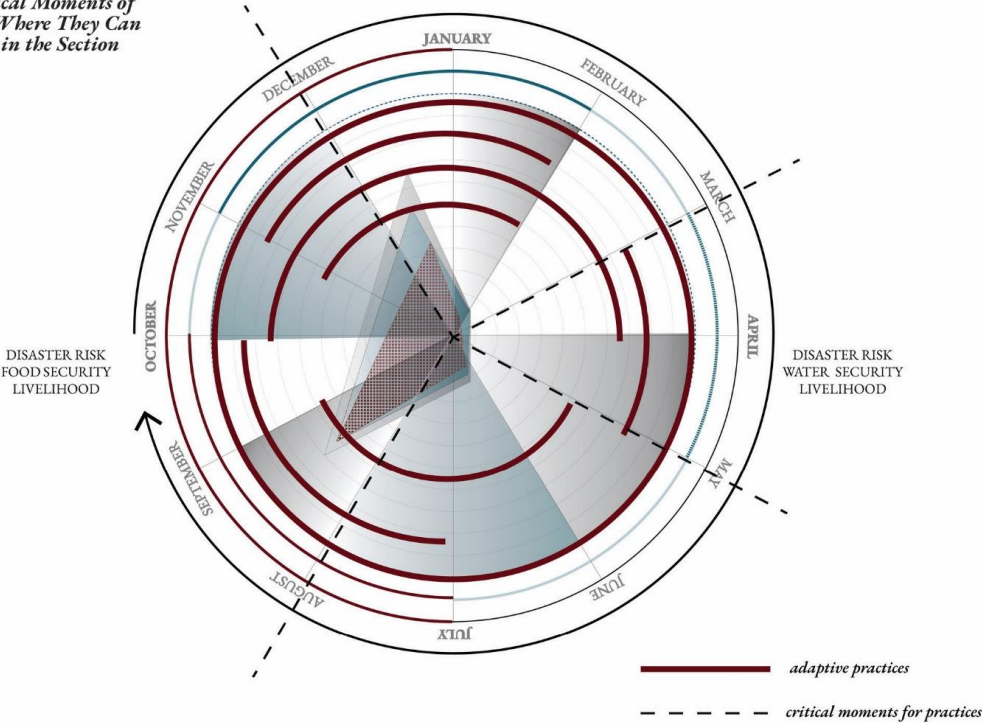
Improvement of Eco-Tourism Programs - Mt. Daraitan, Tinipak River, Community

Knowledge Exchange and Capacity-Building in Collaboraton with LGU, R&D, Academia, NGOs, CSO etc.

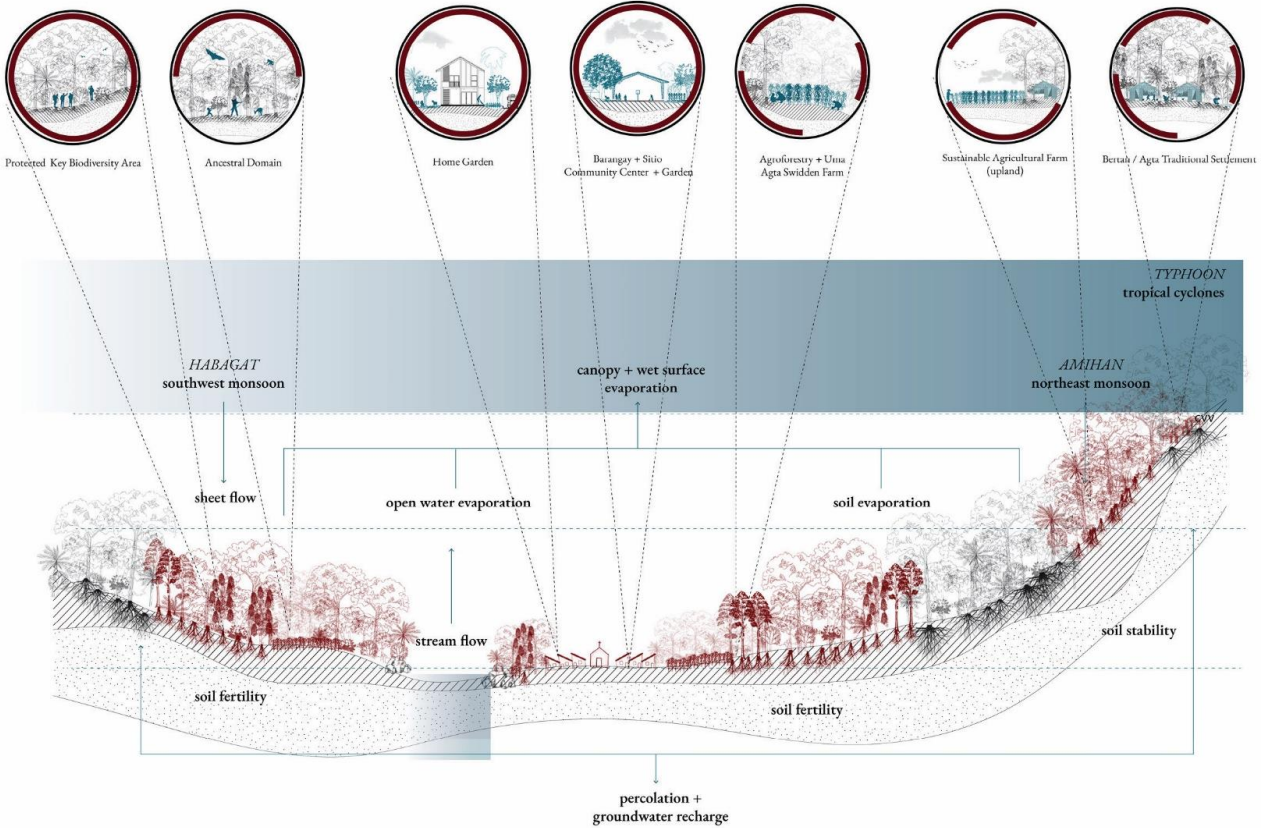
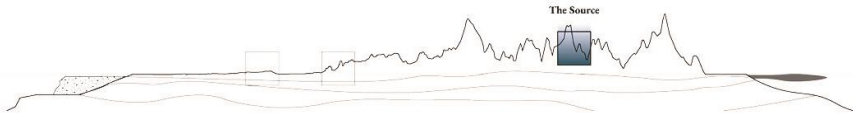
A Transitional Planning Model
The Source at 2040

FUTURE NOSTALGIA
LOCAL ADAPTIVE PRACTICES
OVER THE SITIO SCALE

Cyclic Local Adaptive Practices
Defining Critical Moments of
the Year and Where They Can
Be Reinforced in the Section



River Interface Unit 01
Transect Key



FUTURE NOSTALGIA
ASSIMILATION

the source - 2040

Renewing the Uma System

With the Agta's traditional swidden farming practice that has the ability to restore forest areas and provide food security and nurture land's intentions for the continuum, this is integrated with a riparian buffer system that becomes an area between the river side, the uma or settlement that manages streamflow in this part of the River Interface as well as fortifies soil stability and fertility that in turn makes it more effective for forests to thrive and the biodiversity and cultura systems they enfold.

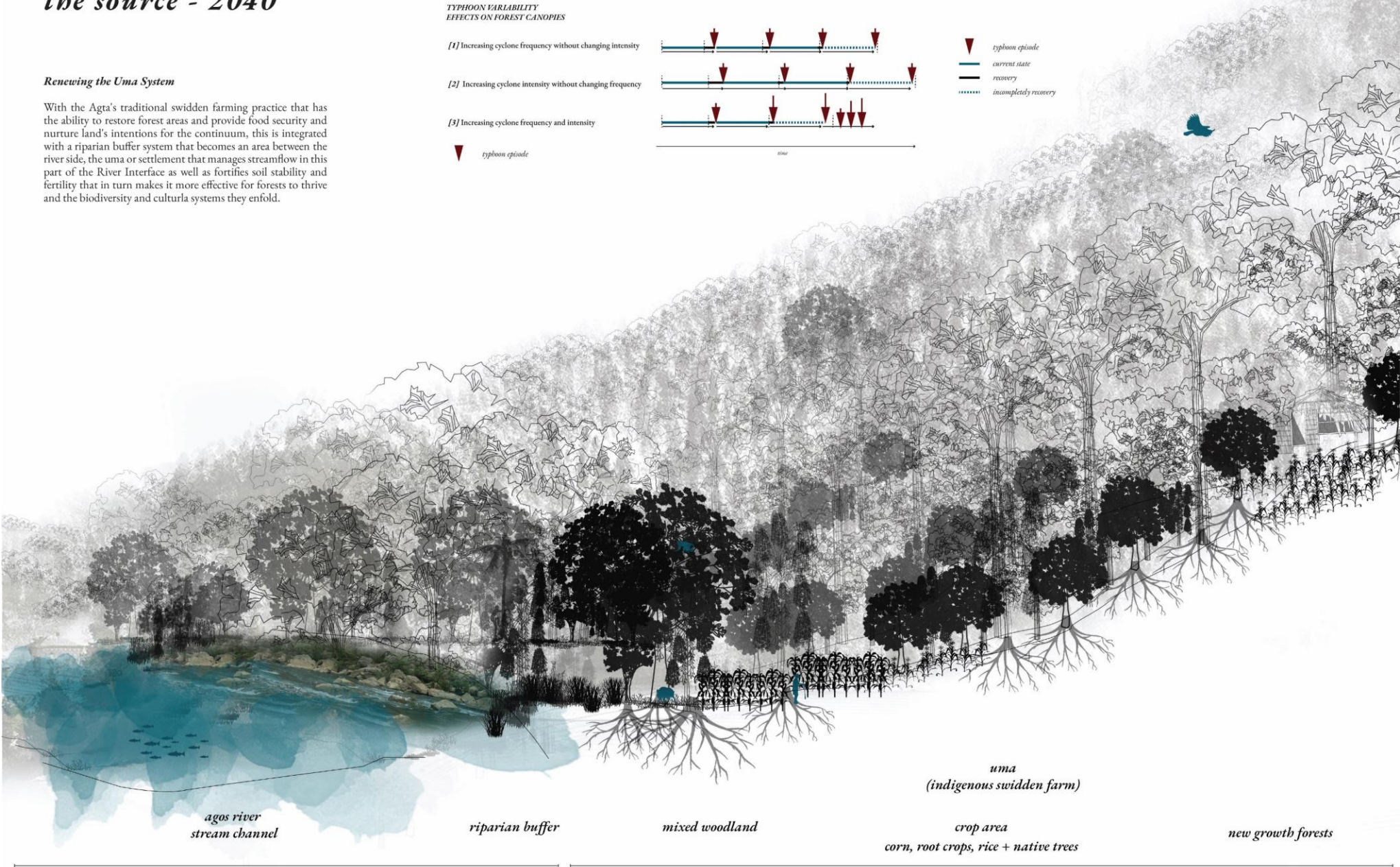
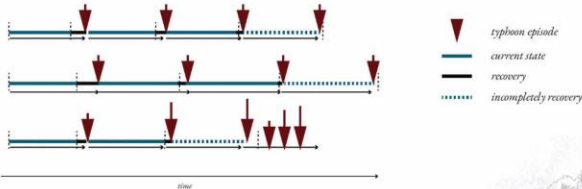
TYPHOON VARIABILITY
EFFECTS ON FOREST CANOPIES

[1] Increasing cyclone frequency without changing intensity

[2] Increasing cyclone intensity without changing frequency

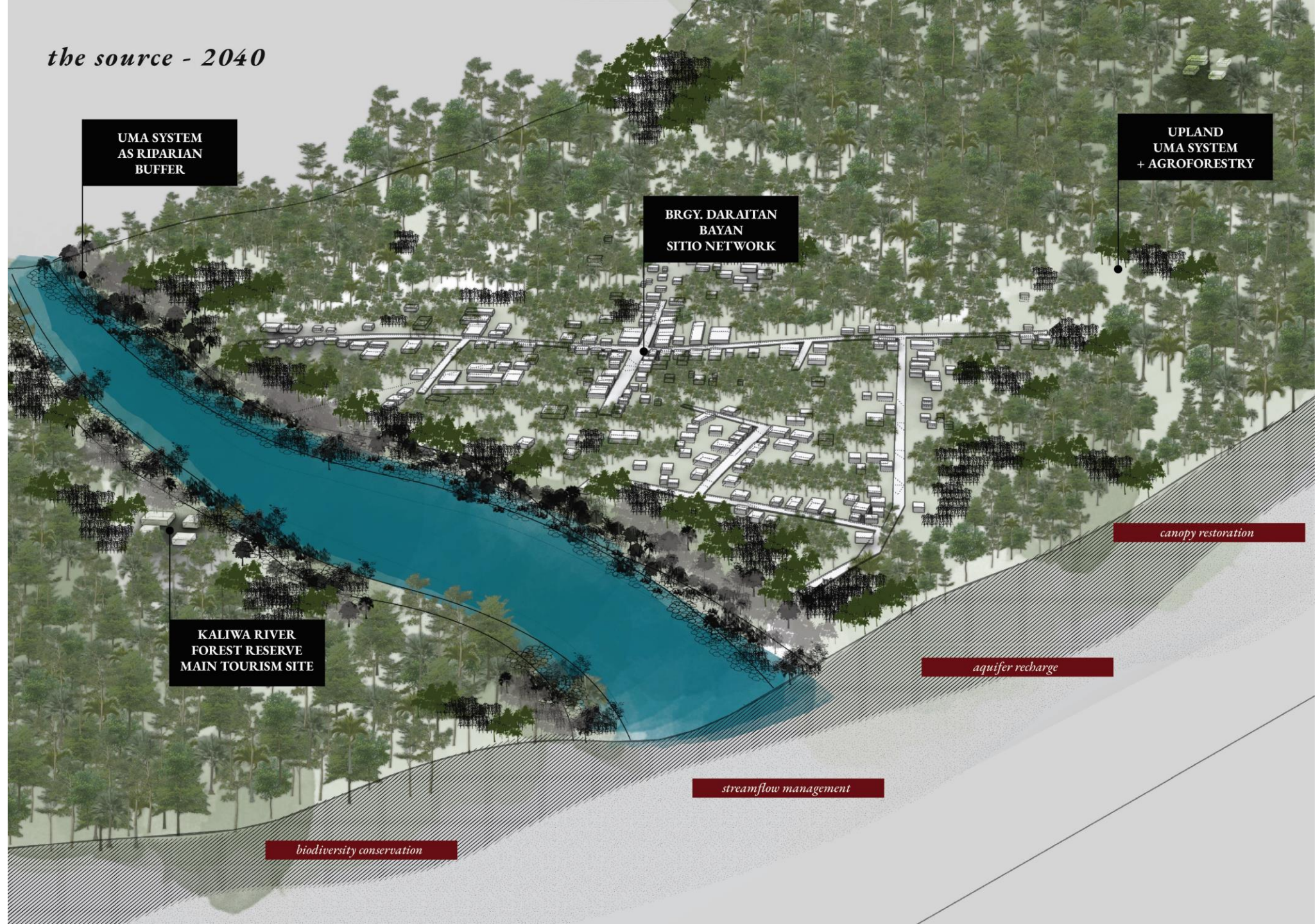
[3] Increasing cyclone frequency and intensity

typhoon episode



A Transitional Planning Model
The Source at 2040

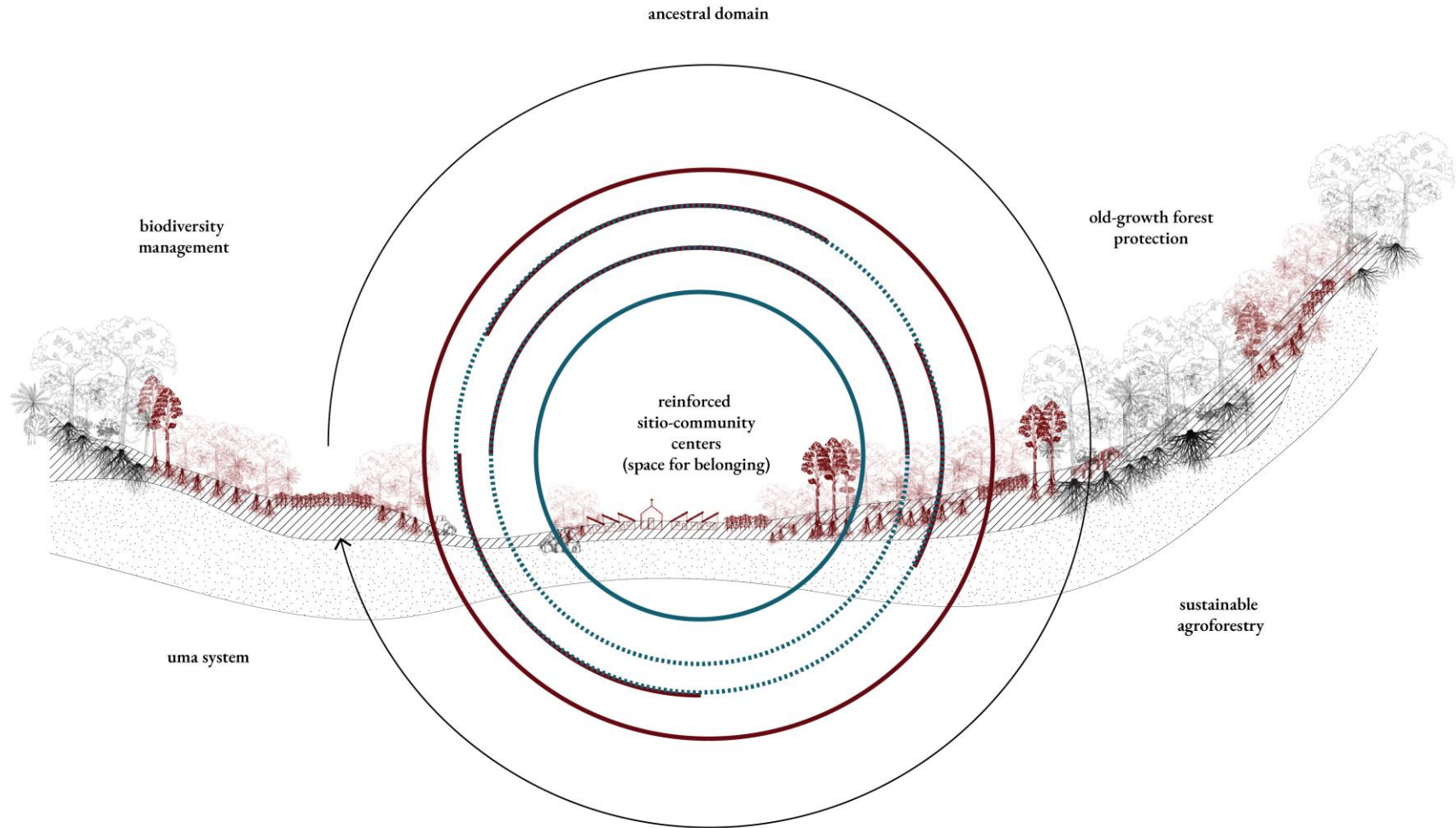
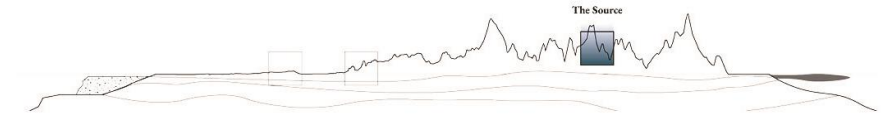
FUTURE NOSTALGIA
ASSIMILATION

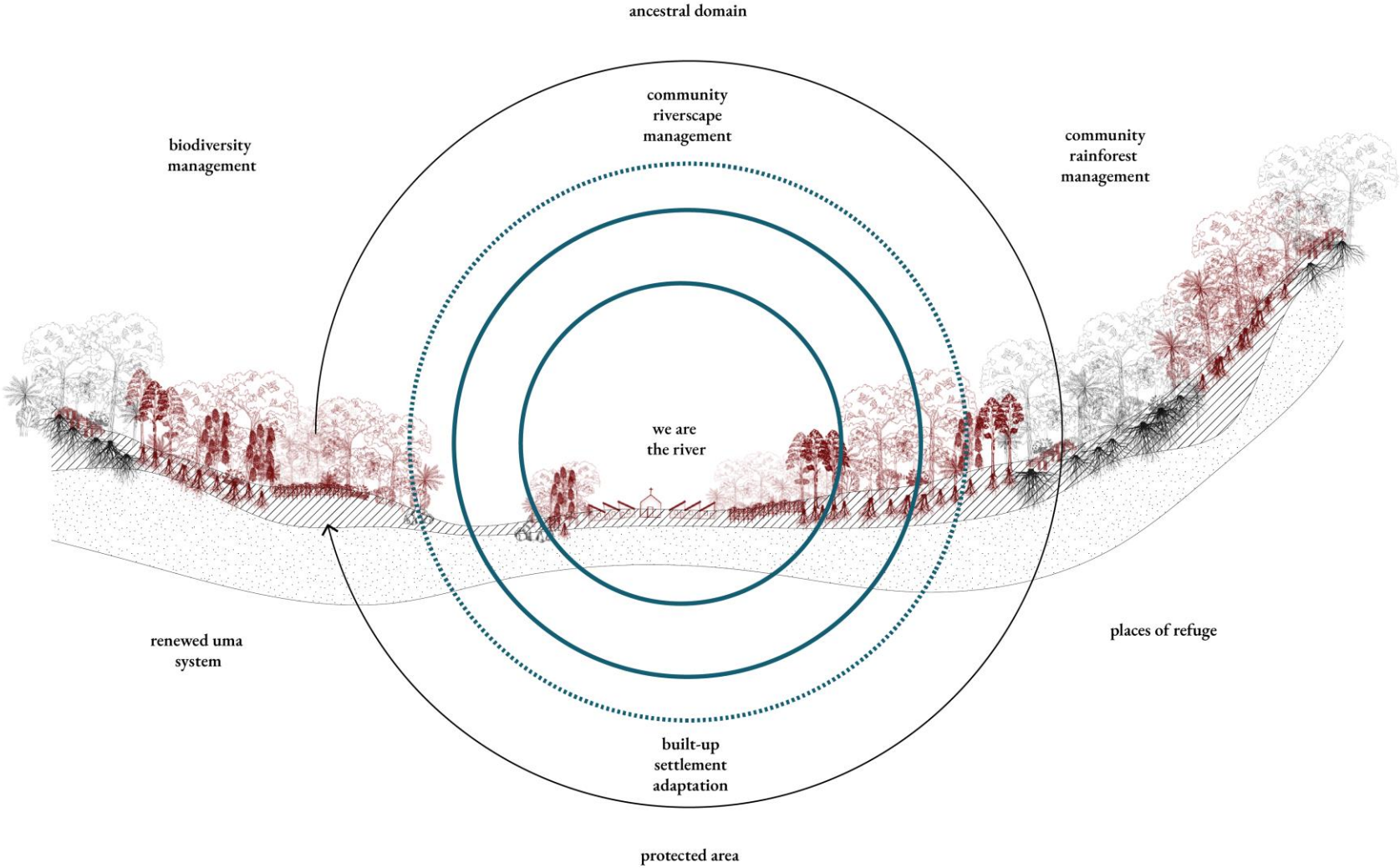
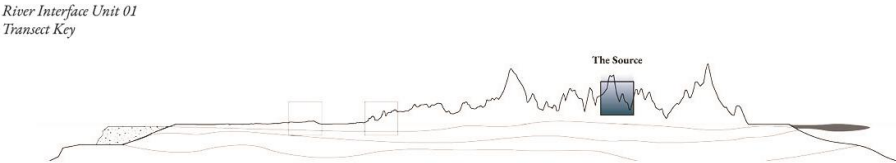


A Transitional Planning Model
The Source at 2040

FUTURE NOSTALGIA
CYCLIC CHOREOGRAPHY

River Interface Unit 01
Transect Key





FUTURE NOSTALGIA
ACCOMMODATION

ATMOSPHERE

COMMUNITY BUILDING

- Establishment of Sitio Community Center Network
- Sitio and Barangay Community Forest + Biodiversity Management
- Designation of Refuge/Retreat Areas

carbon sequestration

SURFACE

eco-tourism as knowledge transmission + biodiversity protection

biodiversity increase

streamflow management

erosion control

return of migratory species

SES RESTORATION

- Protection of Old Growth Forests + Hunting Grounds / Sacred Site
- Recognition of ILKS in Sustainable Agroforestry Practices and the I
- Management of Streamflow + New Uma System as Buffer

evapotranspiration

sitio community center (belonging + refuge)

permaculture

food security

water storage

soil fertility increase

KNOWLEDGE TRANSMISSION

- Development of Alternative Livelihood Streams - Basket-Weaving, Bow/Arrows, Yuro Flour
- Improvement of Eco-Tourism Programs - Mt. Daraitan, Tinipak River, Community
- Knowledge Exchange and Capacity-Building in Collaboration with LGU, R&D, Academia, NGOs, CSO etc.

rainforest canopy restoration

sheetflow regulation

slope stabilization

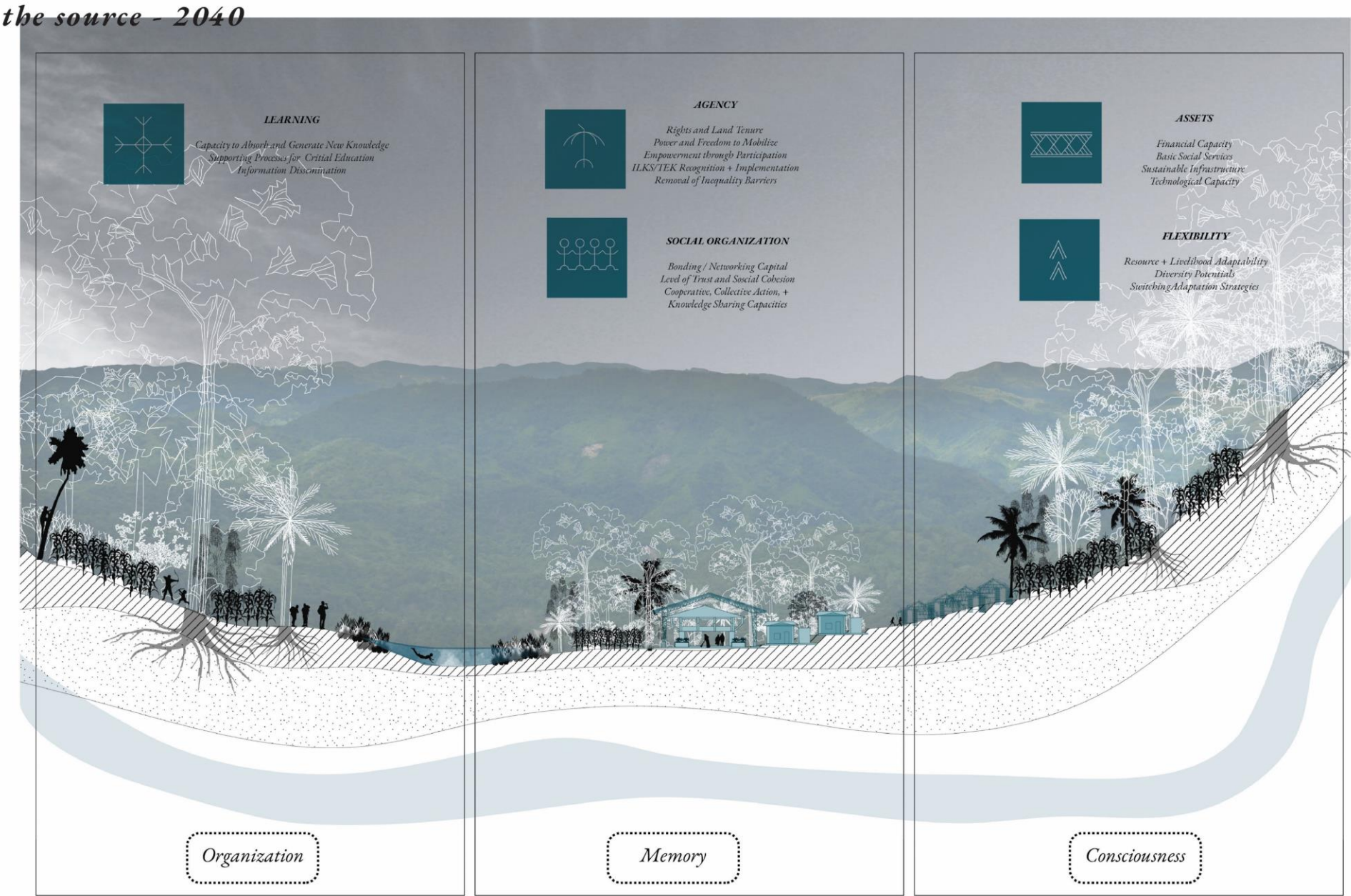
crop rotation

water percolation

SUBSURFACE

*The Source's Renewed
Core Memory System for Adaptation
Starting with Sitio Bayan, Barangay Daraitan*

FUTURE NOSTALGIA
ACCOMMODATION

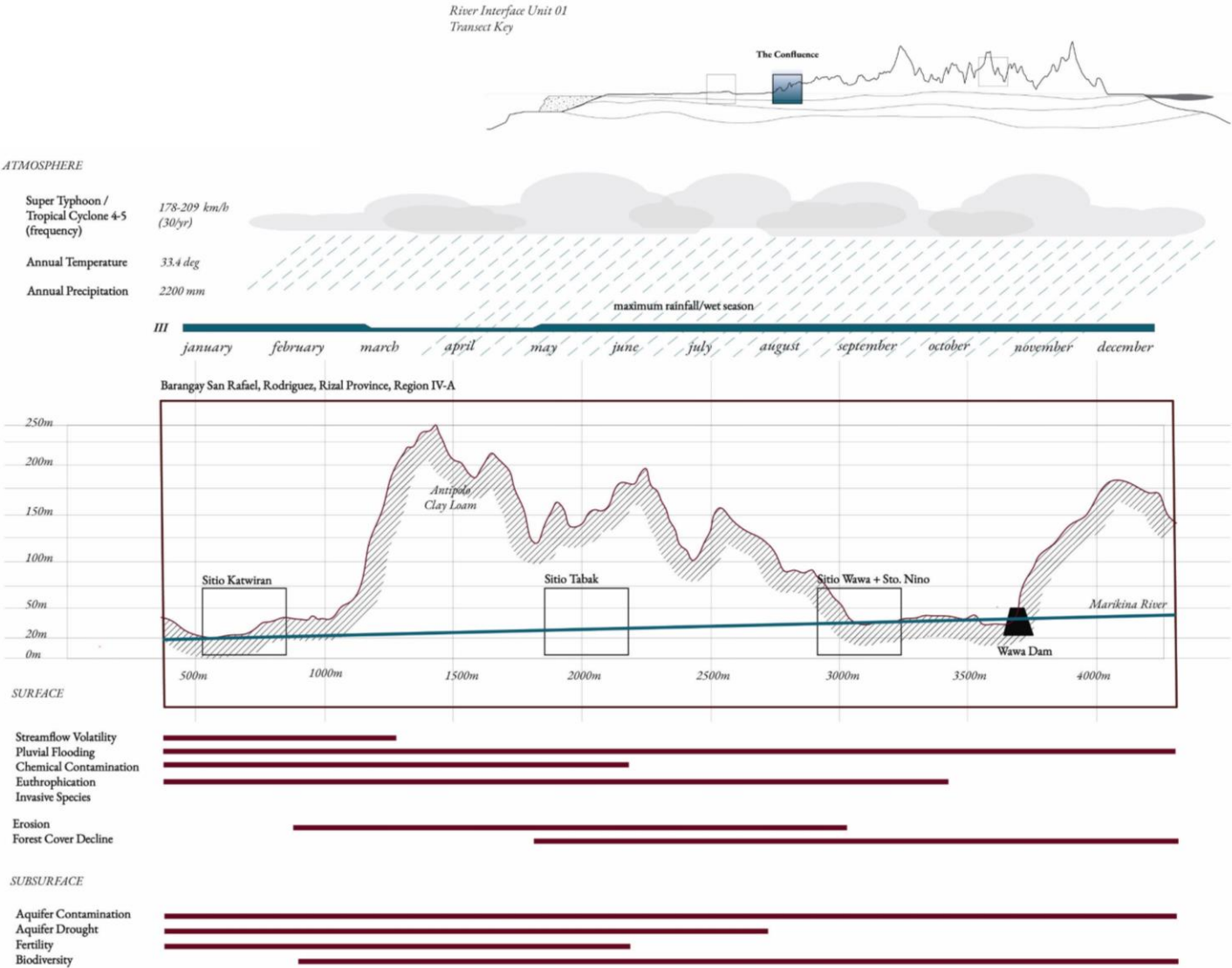
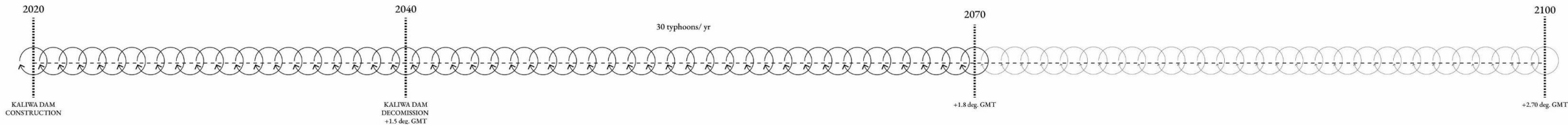


A Transitional Planning Model

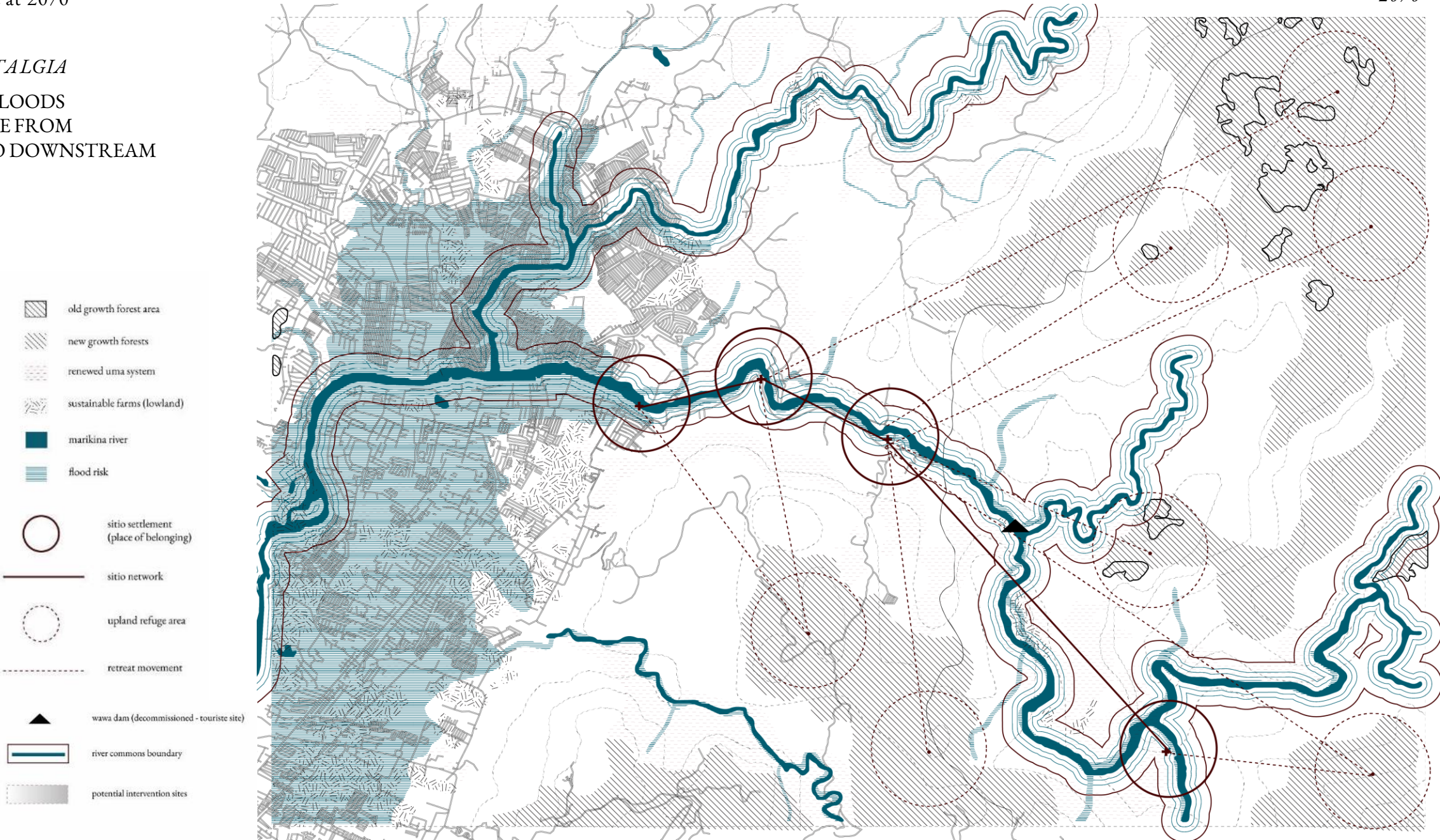
The Confluence at 2070

CONSEQUENCES OVER
SYSTEMIC SECTION
OF THE CONFLUENCE - 2070

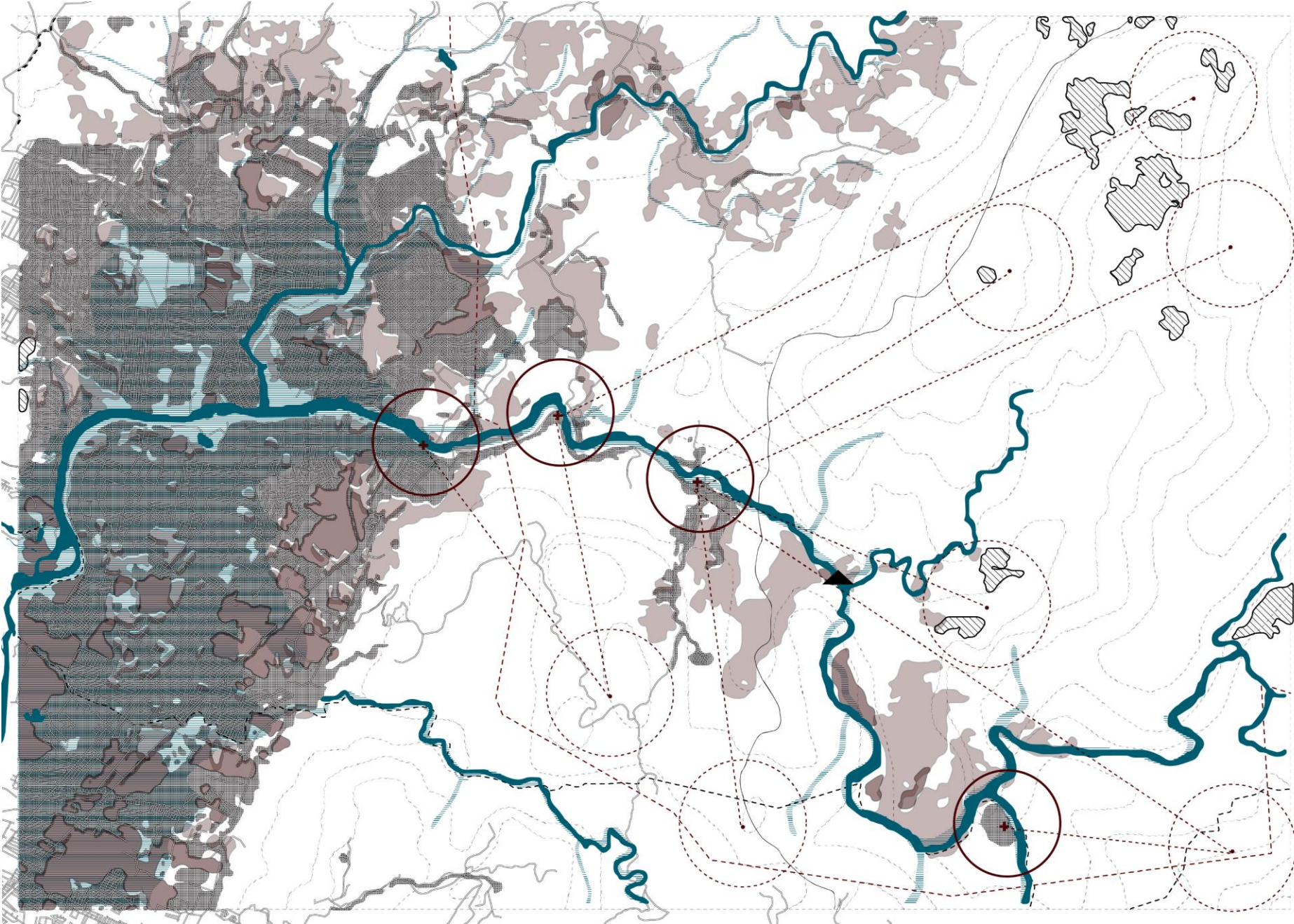
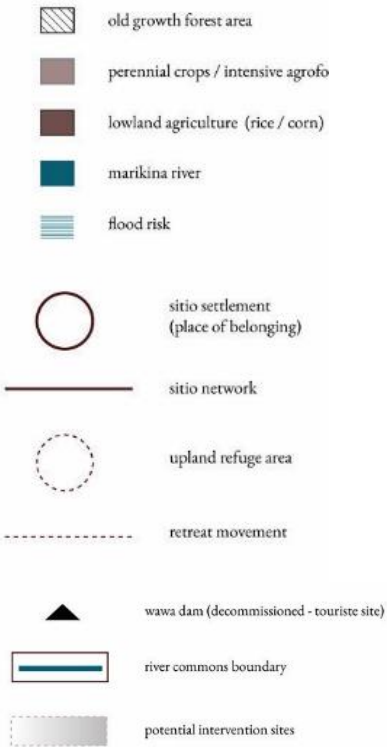
Projected
Future Timeline
(linear scale)



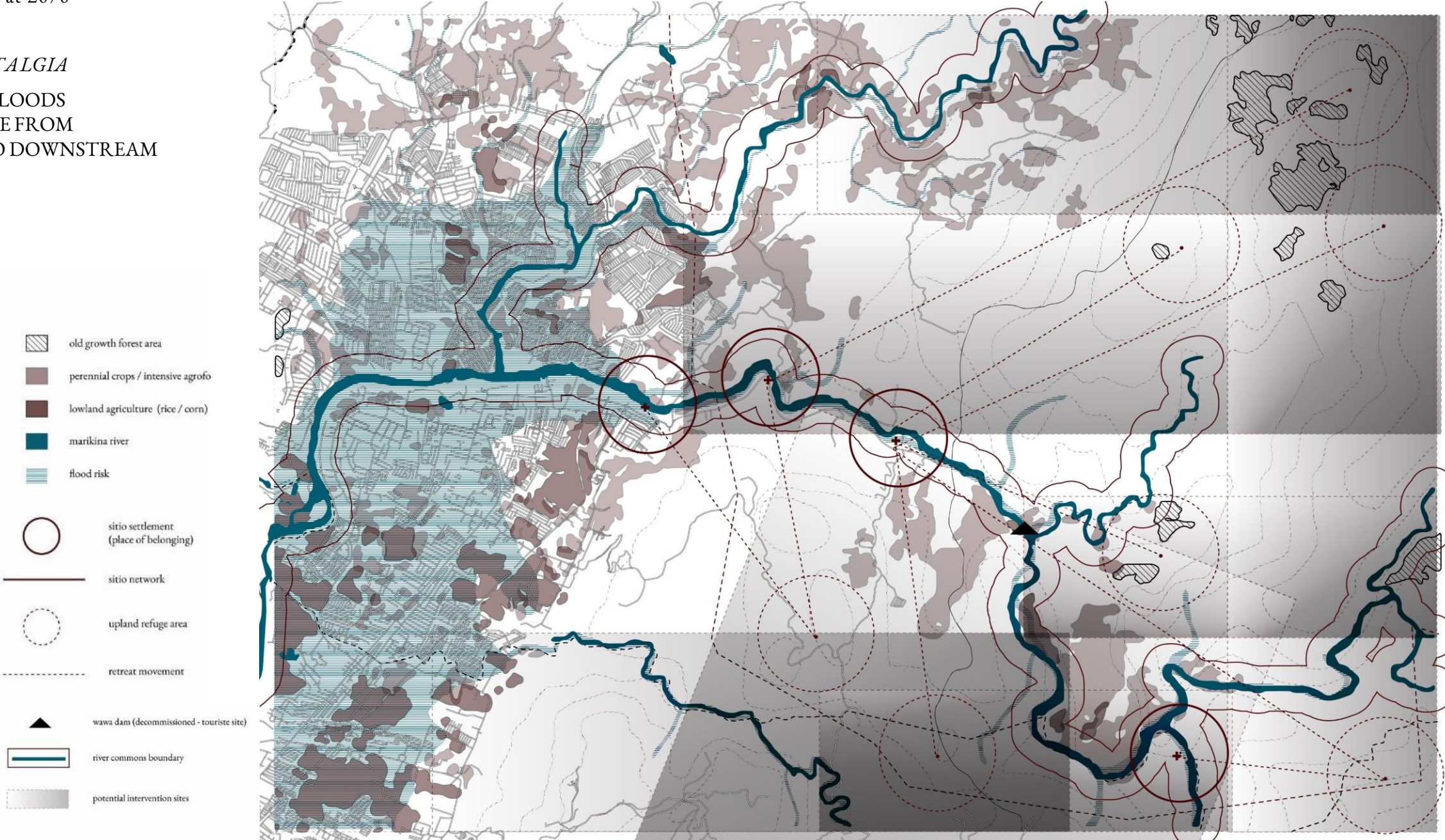
FUTURE NOSTALGIA
WHERE THE FLOODS
ARE WELCOME FROM
UPSTREAM TO DOWNSTREAM



FUTURE NOSTALGIA
WHERE THE FLOODS
ARE WELCOME FROM
UPSTREAM TO DOWNSTREAM

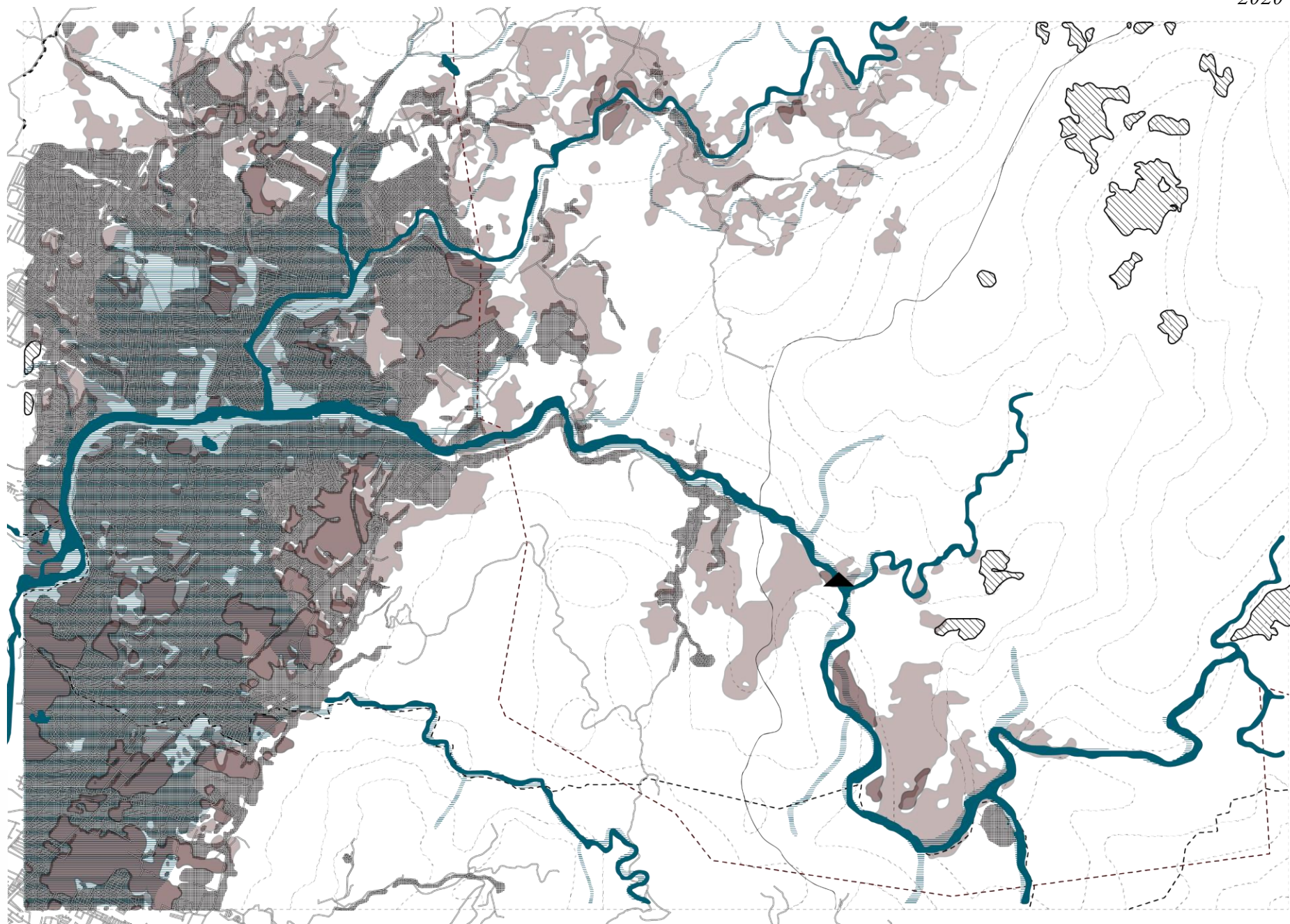
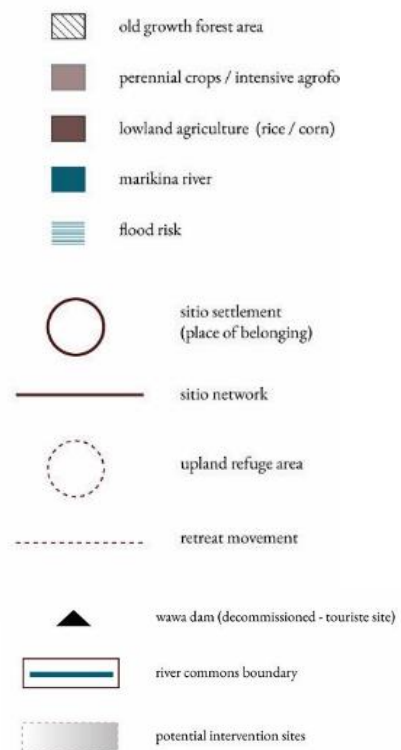


FUTURE NOSTALGIA
WHERE THE FLOODS
ARE WELCOME FROM
UPSTREAM TO DOWNSTREAM



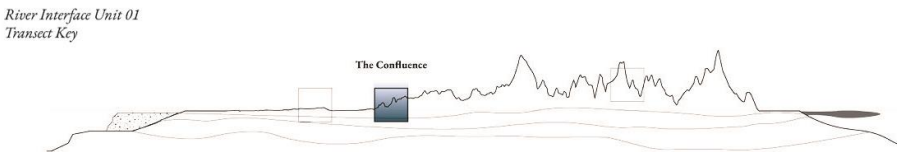
FUTURE NOSTALGIA

WHERE THE FLOODS
ARE WELCOME FROM
UPSTREAM TO DOWNSTREAM



A Transitional Planning Model
The Confluence at 2070

FUTURE NOSTALGIA
MEMORY SYSTEM
OBJECTIVES



Memory

SES RESTORATION

- Reforestation and Afforestation of Open Forests + Protection of Hunting Grounds / Sacred Sites
- Expansion of Uma + Sustainable Agroforestry Plantations + Sustainable Lowland Agriculture
- Wastewater Management, River Renaturation, and Slope Stabilization

Organization

COMMUNITY BUILDING

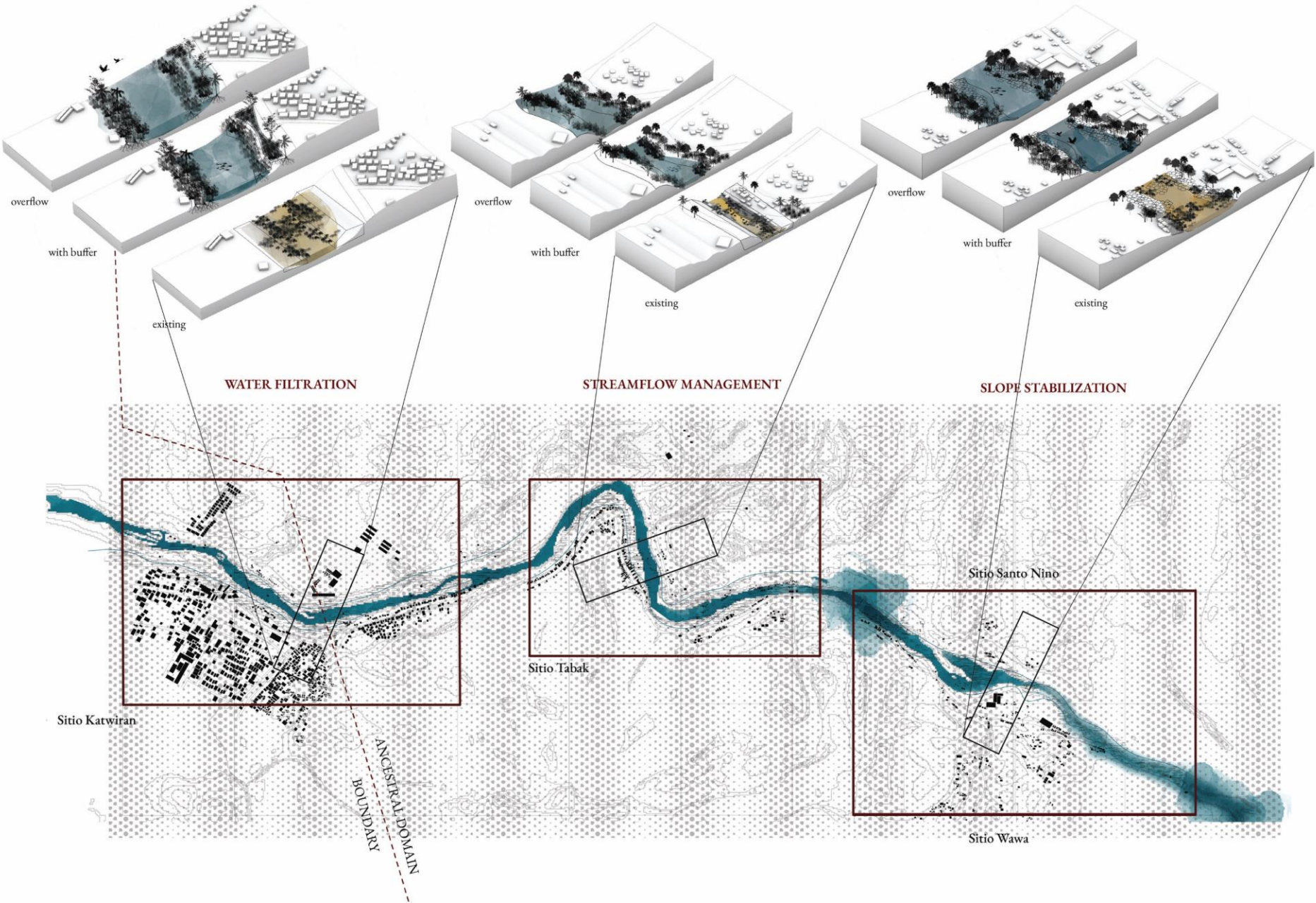
- Establishment of Sitio Community Center Network with the River as Commons
- Development of Barangay Collaboration Platform - Focused on Industrial Sector, Farmers, IPs, and Developers
- Designation of Refuge/Retreat Areas

Consciousness

KNOWLEDGE TRANSMISSION

- Alternative Livelihood Streams - Local Cooperative Goods and Local Crafts
- Improvement of Eco-Tourism Programs for Wawa Dam and UMRPL
- Knowledge Exchange and Capacity-Building in Collaboraton with LGU, R&D, Academia, NGOs, CSO etc.

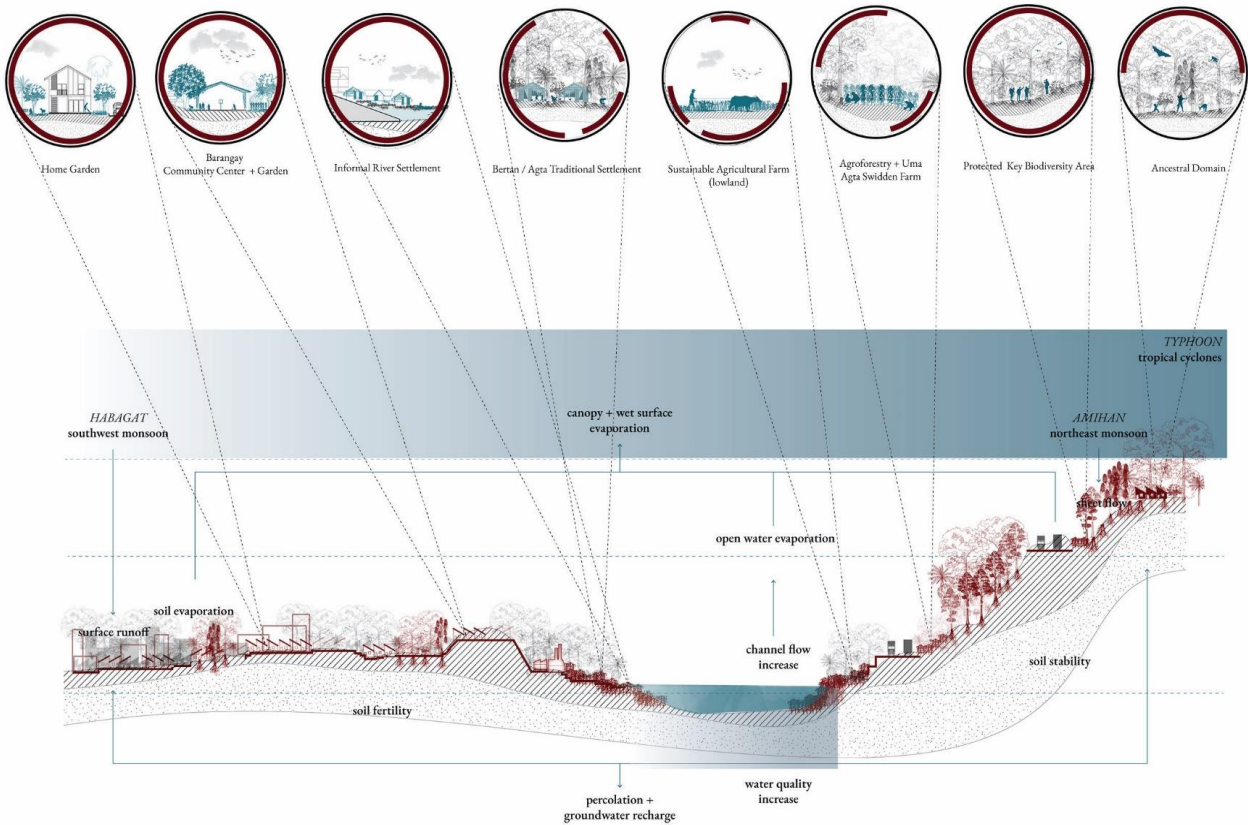
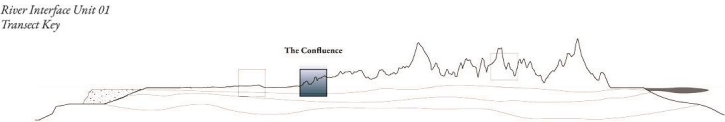
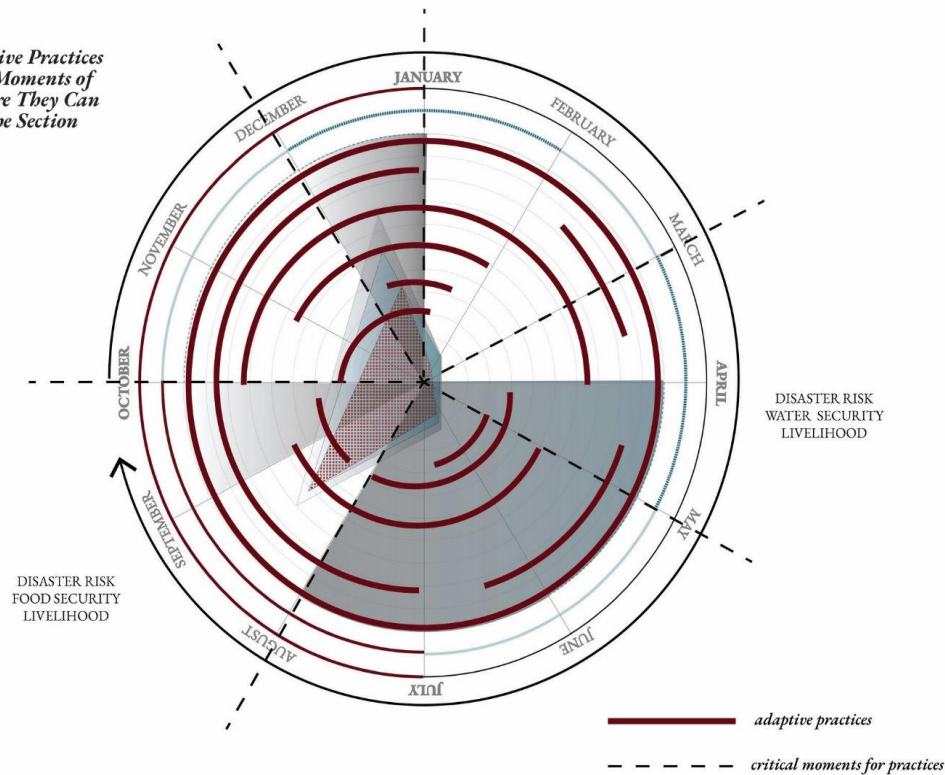
FUTURE NOSTALGIA
ASSIMILATION



A Transitional Planning Model
The Confluence at 2070

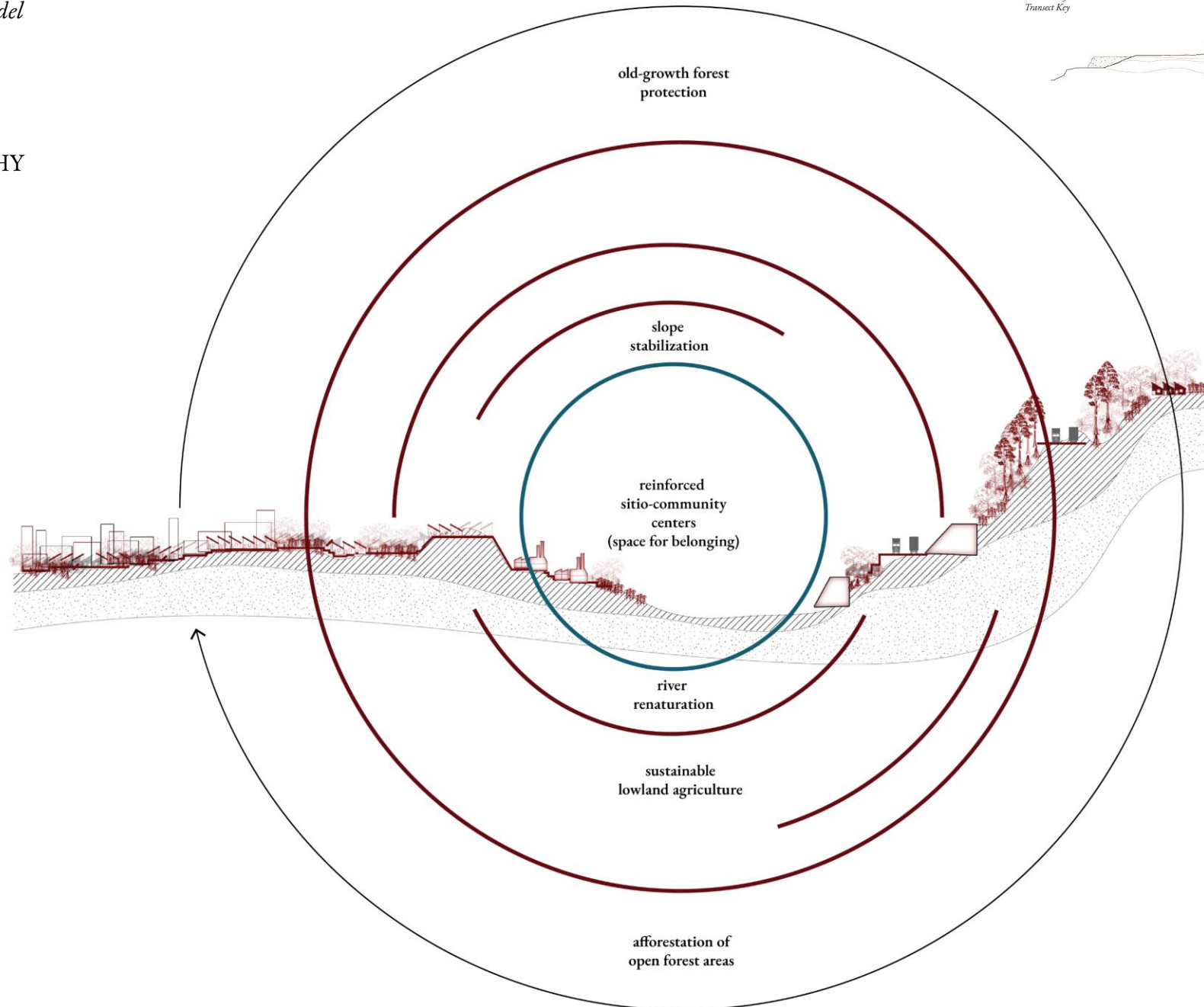
FUTURE NOSTALGIA
LOCAL ADAPTIVE PRACTICES
OVER THE SITIO SCALE

Cyclic Local Adaptive Practices
Defining Critical Moments of
the Year and Where They Can
Be Reinforced in the Section



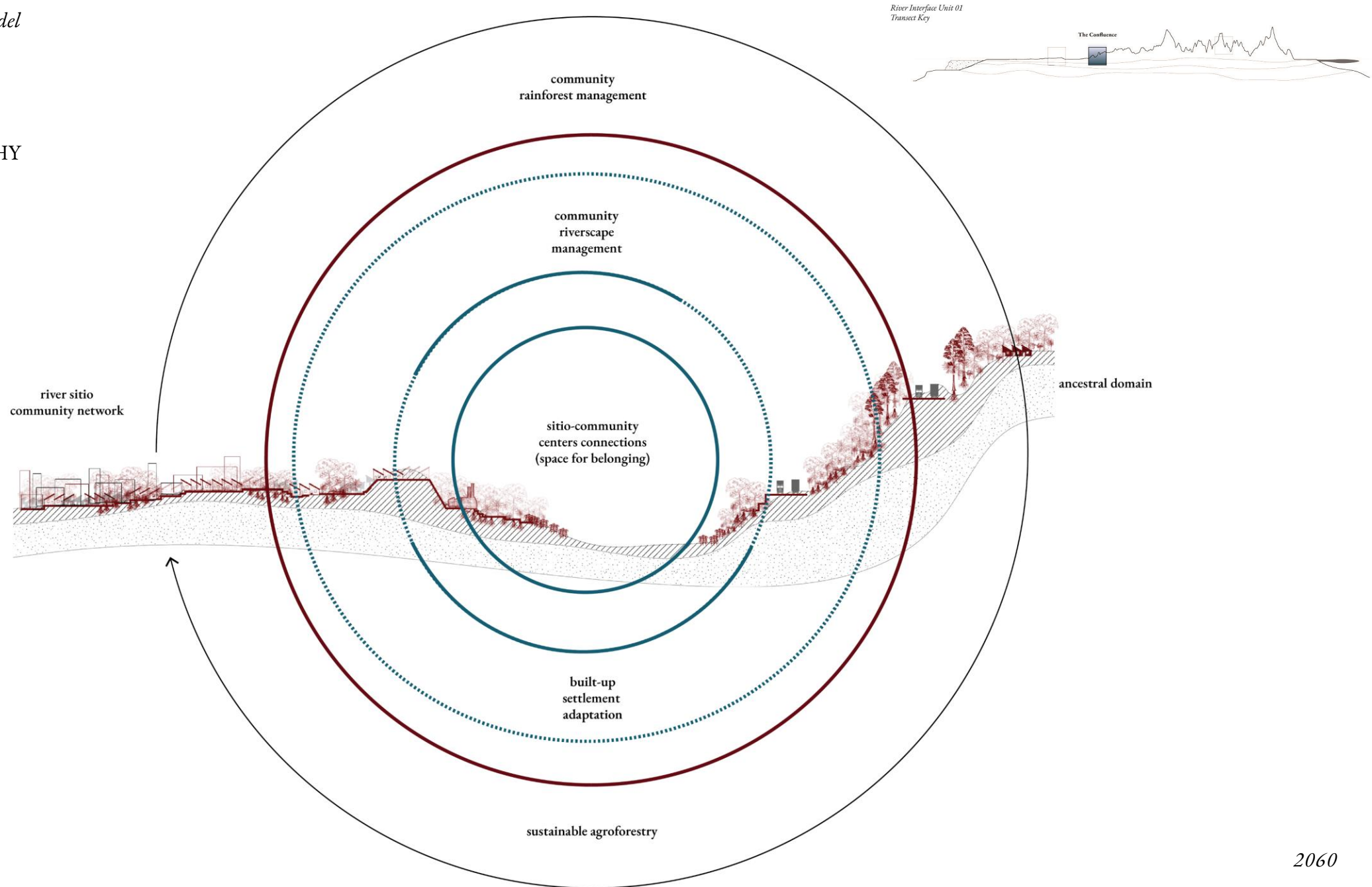
A Transitional Planning Model
The Confluence at 2070

FUTURE NOSTALGIA
CYCLIC CHOREOGRAPHY



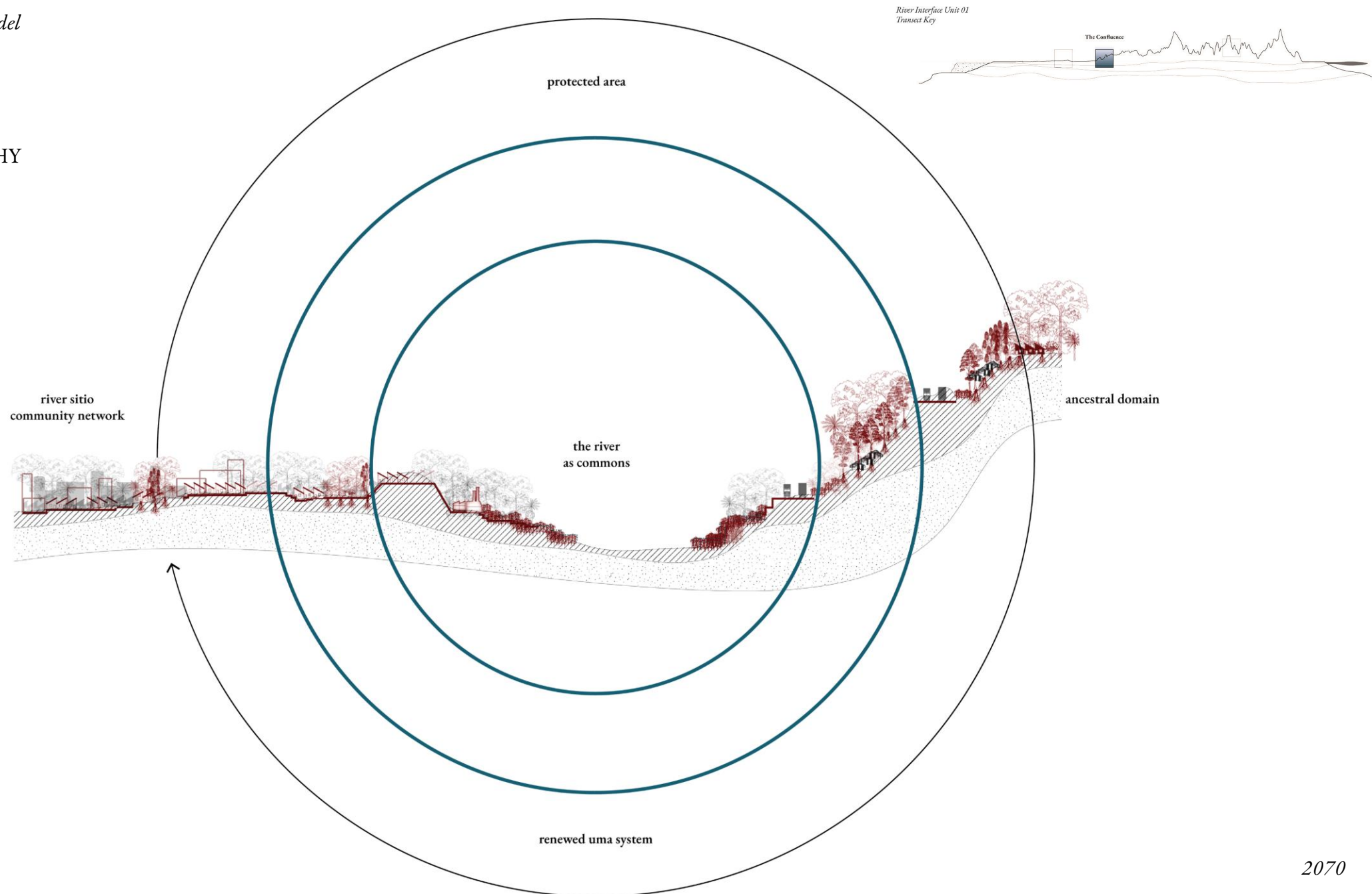
A Transitional Planning Model
The Confluence at 2070

FUTURE NOSTALGIA
CYCLIC CHOREOGRAPHY



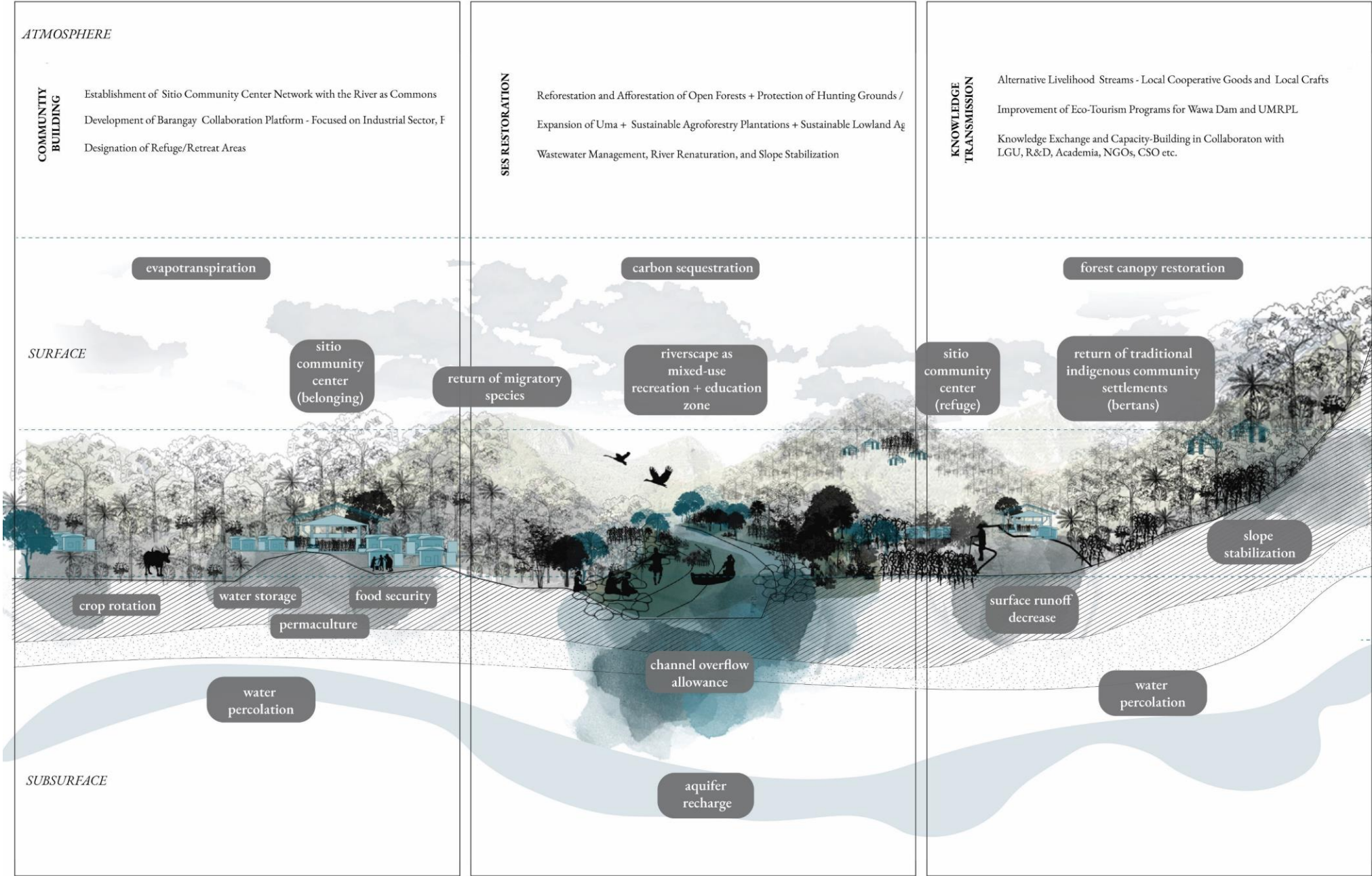
A Transitional Planning Model
The Confluence at 2070

FUTURE NOSTALGIA
CYCLIC CHOREOGRAPHY



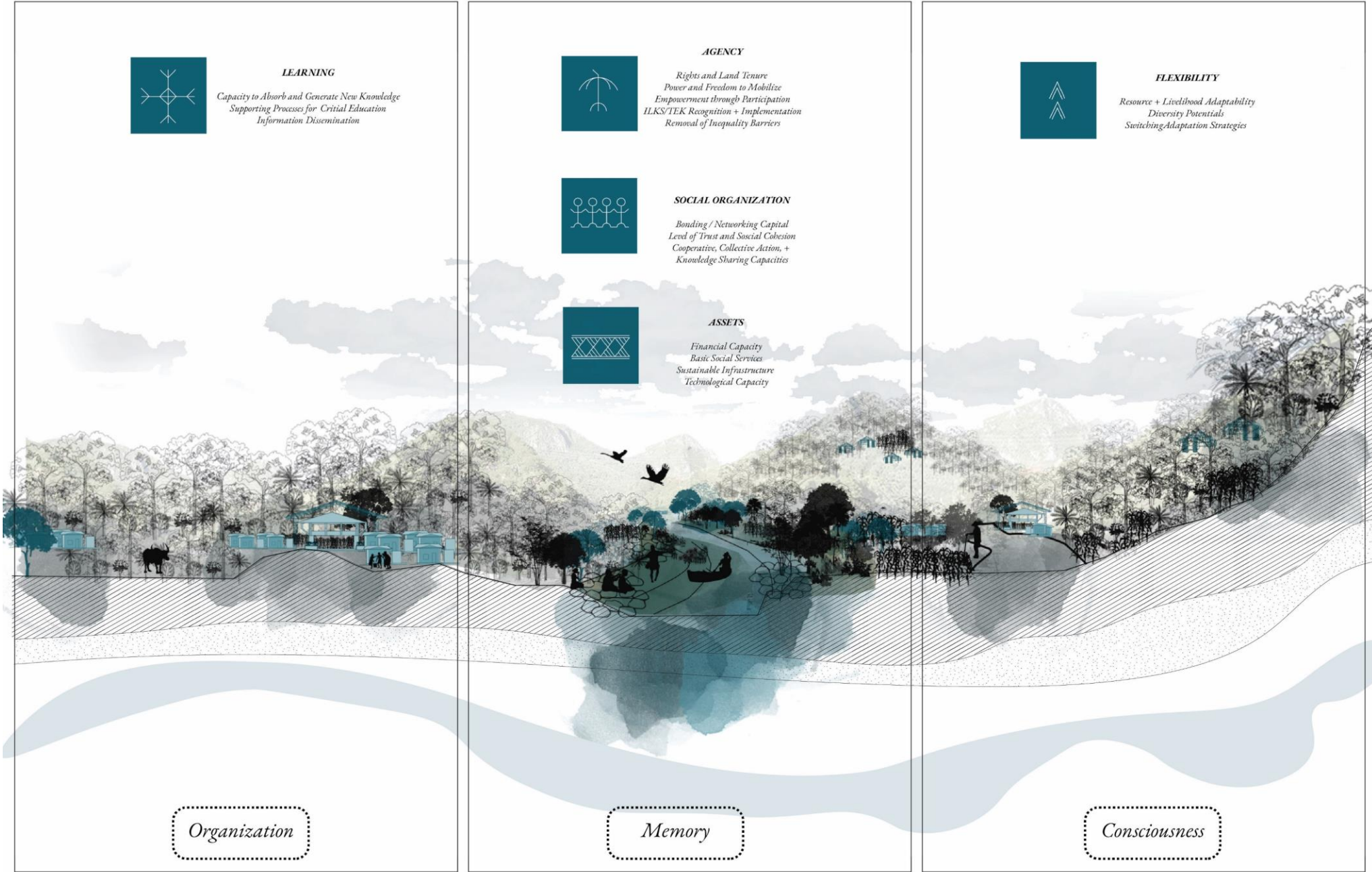
the confluence - 2070

The Confluences's Renewed
Core Memory System for Adaptation
Starting with 4 Sitios, Barangay San Rafael



the confluence - 2070

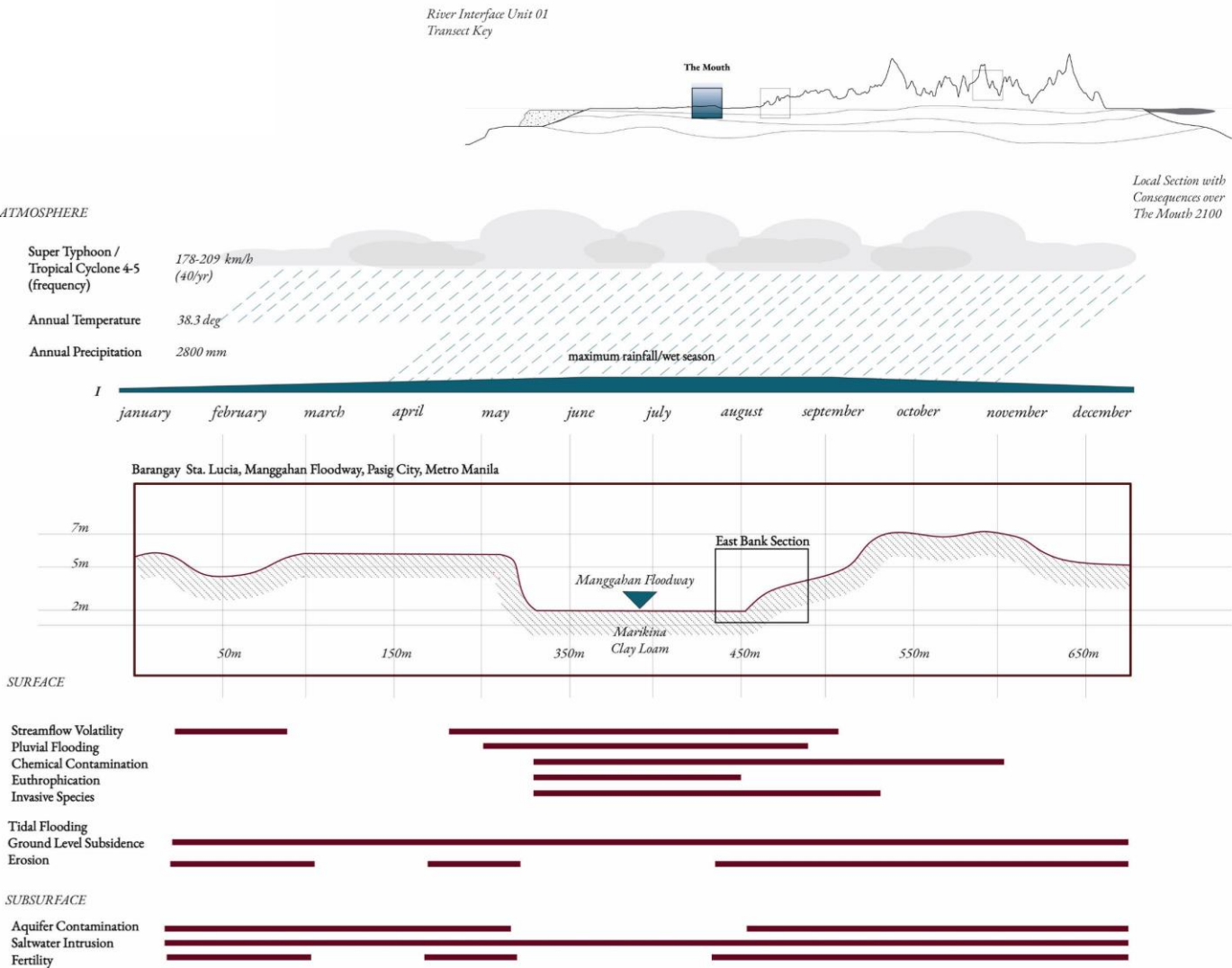
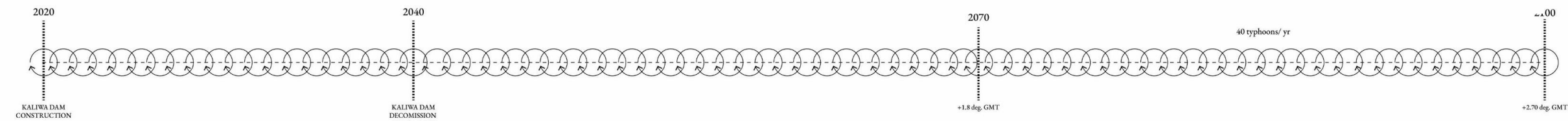
The Confluence's Renewed
Core Memory System for Adaptation
Starting with 4 Sitios, Barangay San Rafael



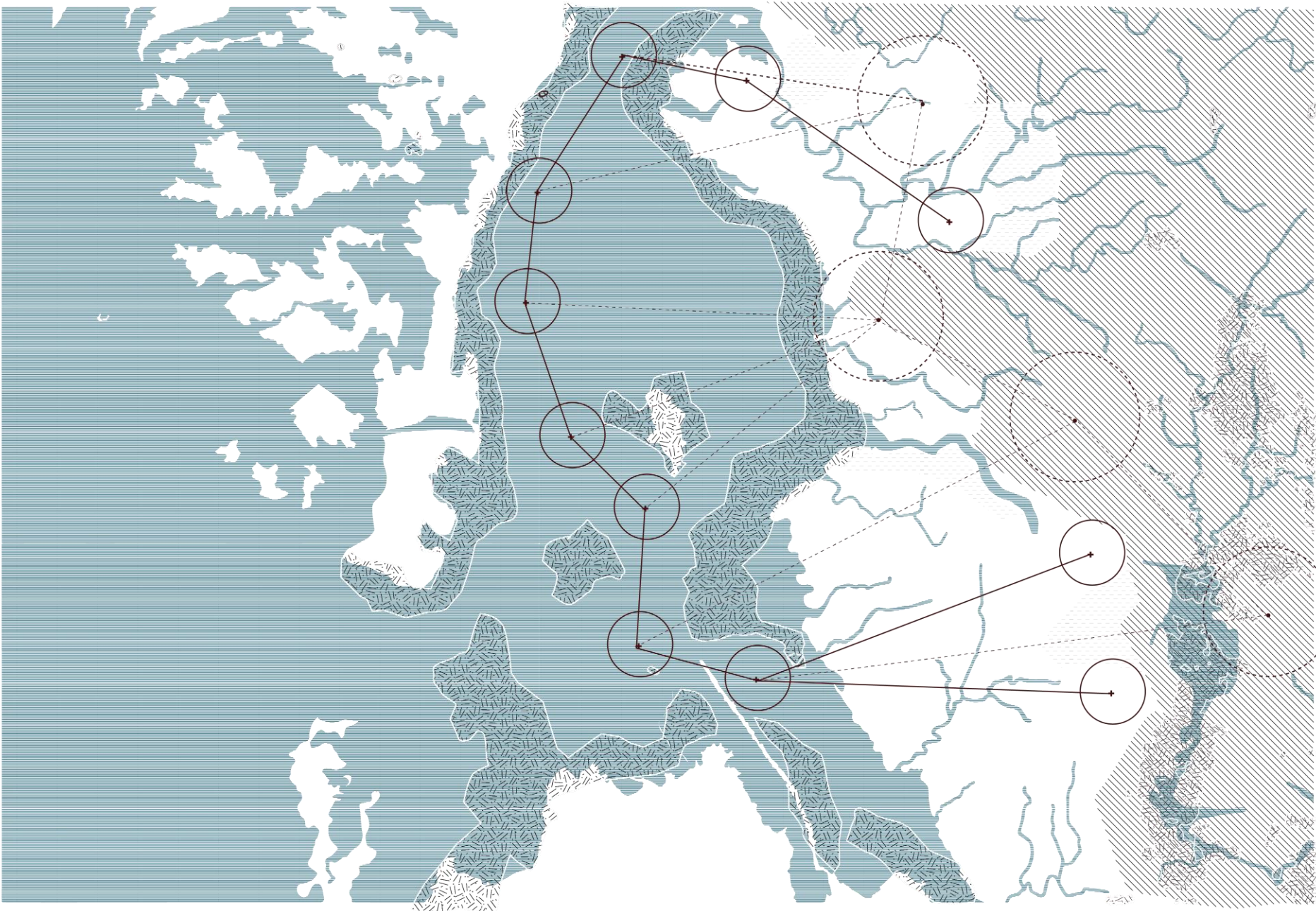
A Transitional Planning Model
The Mouth at 2100

FUTURE NOSTALGIA
A NEO-INDIGENOUS
COASTAL METROPOLIS

Projected
Future Timeline
(linear scale)

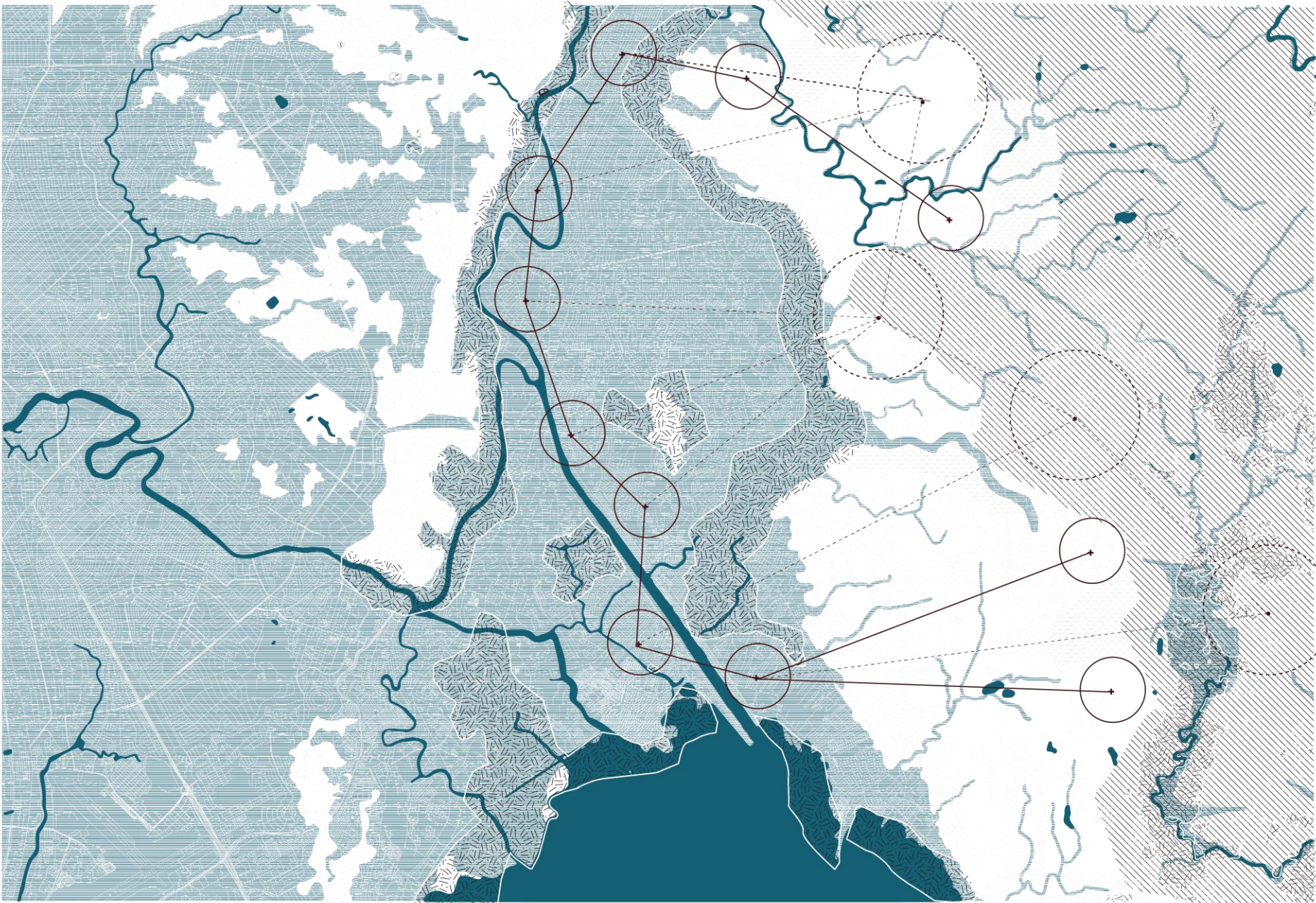


FUTURE NOSTALGIA
A NEO-INDIGENOUS
COASTAL METROPOLIS

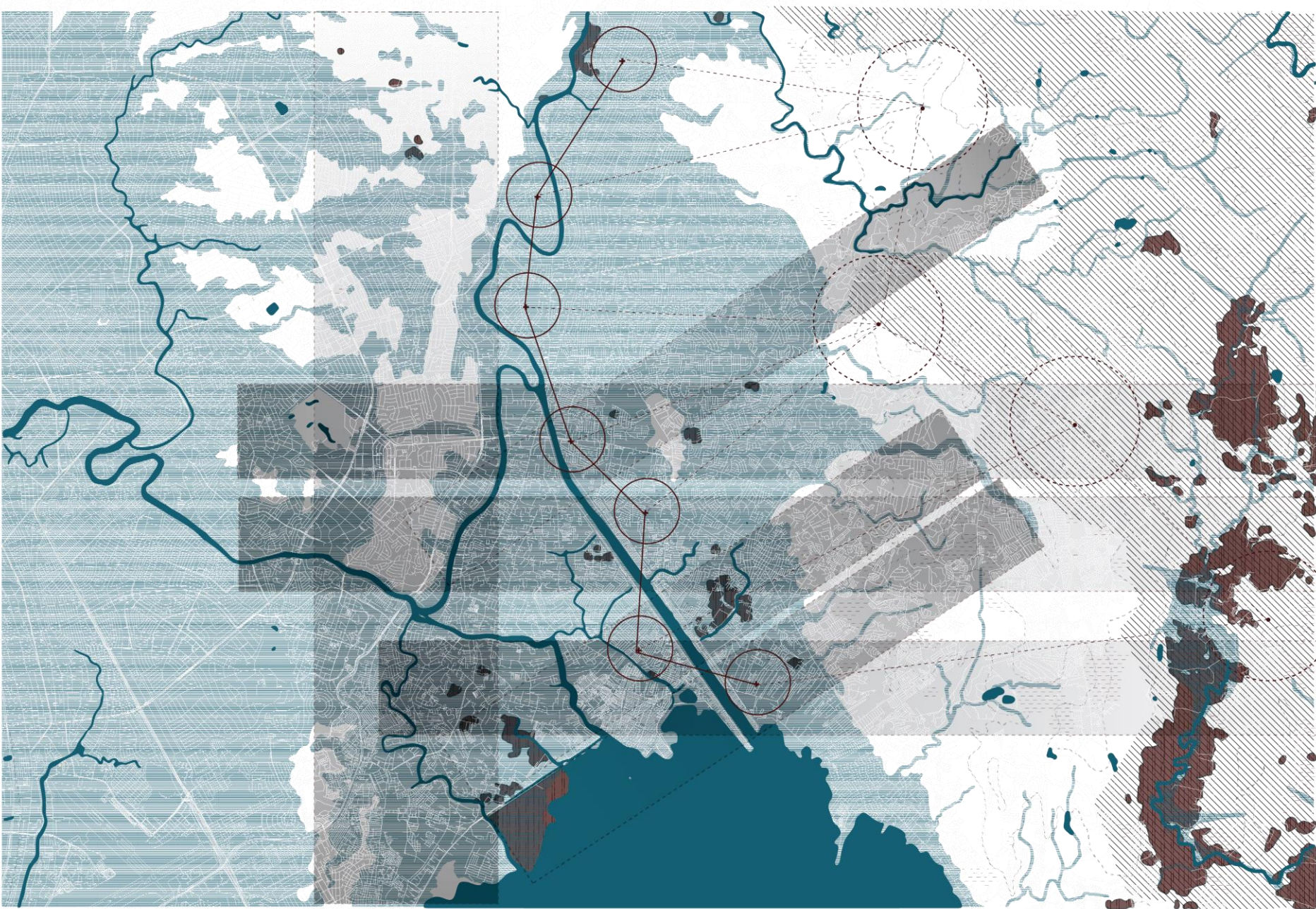
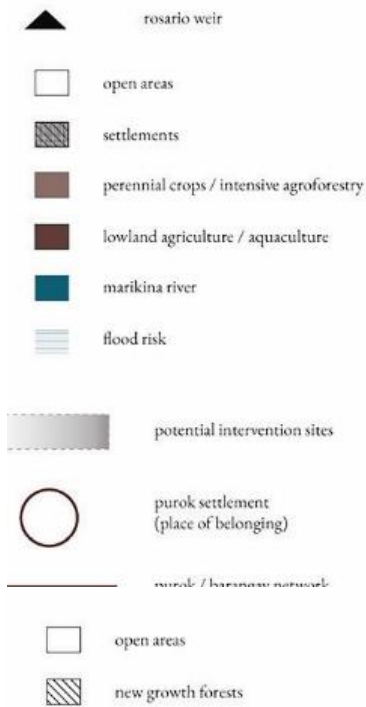


FUTURE NOSTALGIA
A NEO-INDIGENOUS
COASTAL METROPOLIS

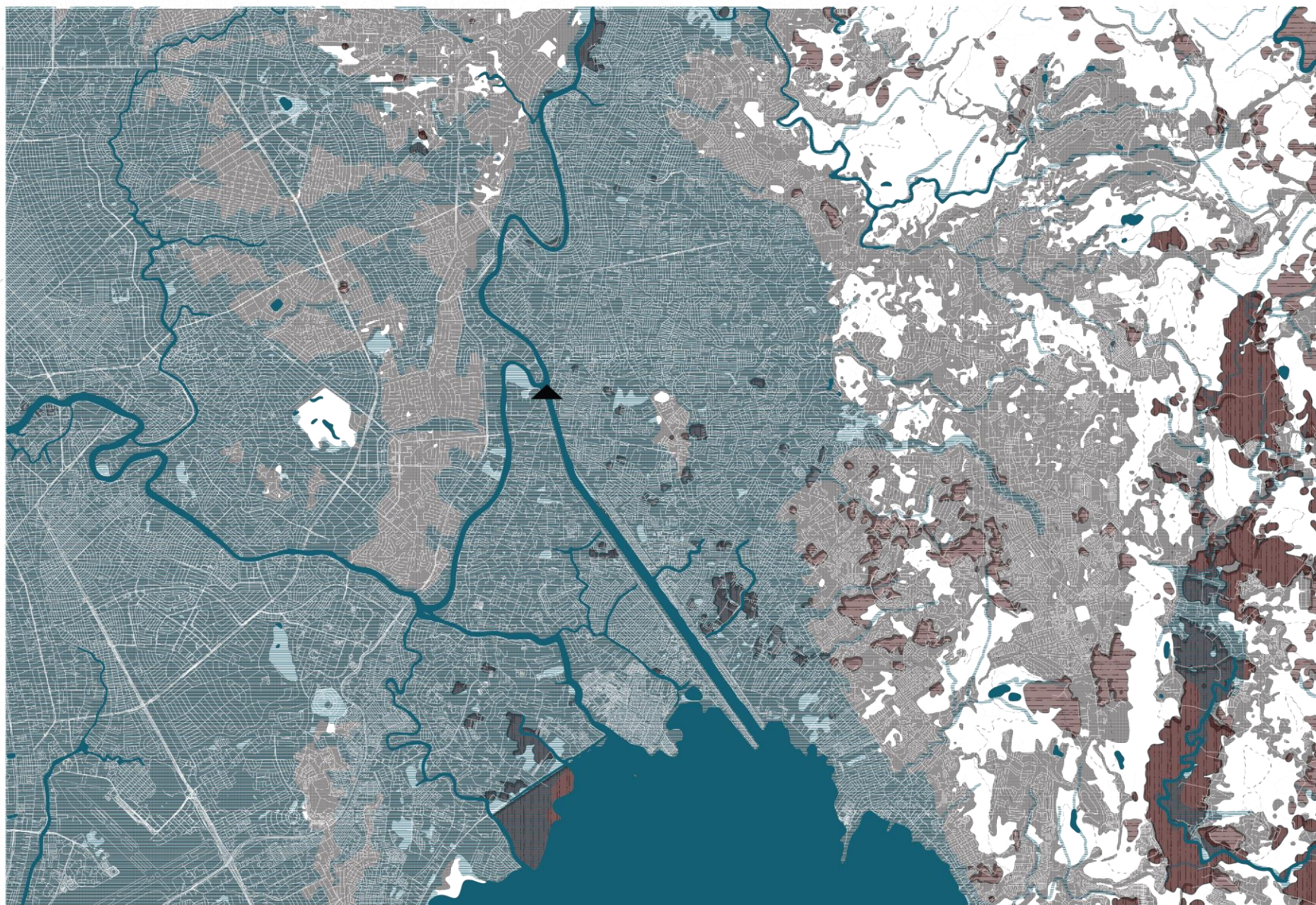
- rosario weir
- open areas
- new growth forests
- perennial crops / intensive agroforestry
- aquaculture + mangrove forest buffer
- restored floodplain
- potential intervention sites
- purok settlement (place of belonging)
- purok / barangay network



FUTURE NOSTALGIA
A NEO-INDIGENOUS
COASTAL METROPOLIS



FUTURE NOSTALGIA
A NEO-INDIGENOUS
COASTAL METROPOLIS



FUTURE NOSTALGIA
MEMORY SYSTEM
OBJECTIVES

Memory

Organization

Consciousness

SES RESTORATION

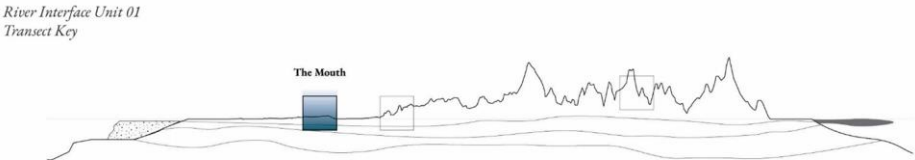
- Marshland and Floodplain Restoration
- Recognition of Local Cooperatives for Sustainable Adaptive Practices (River Settlements, Agriculture)
- Flood Risk Reduction (Tidal and Overflow during Typhoons)

COMMUNITY BUILDING

- Establishment of Purok/Sitio Community Center Network
- Sitio and Barangay Community Riverscape Management
- Designation of Refuge/Retreat Areas with Open Green Areas Expansions

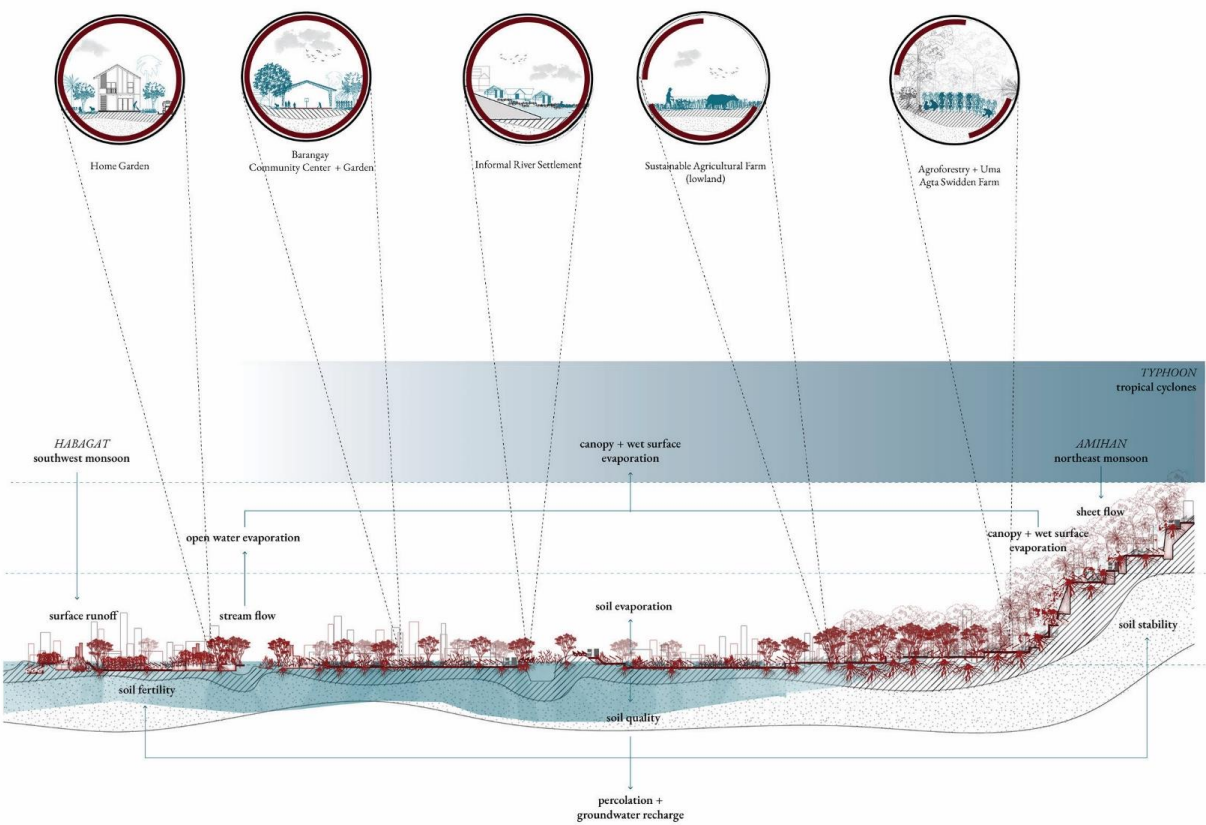
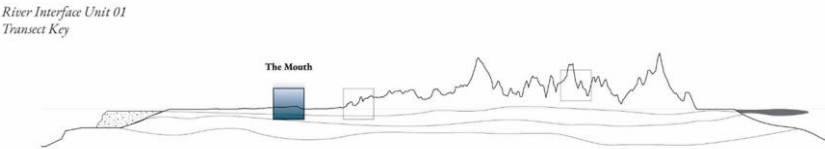
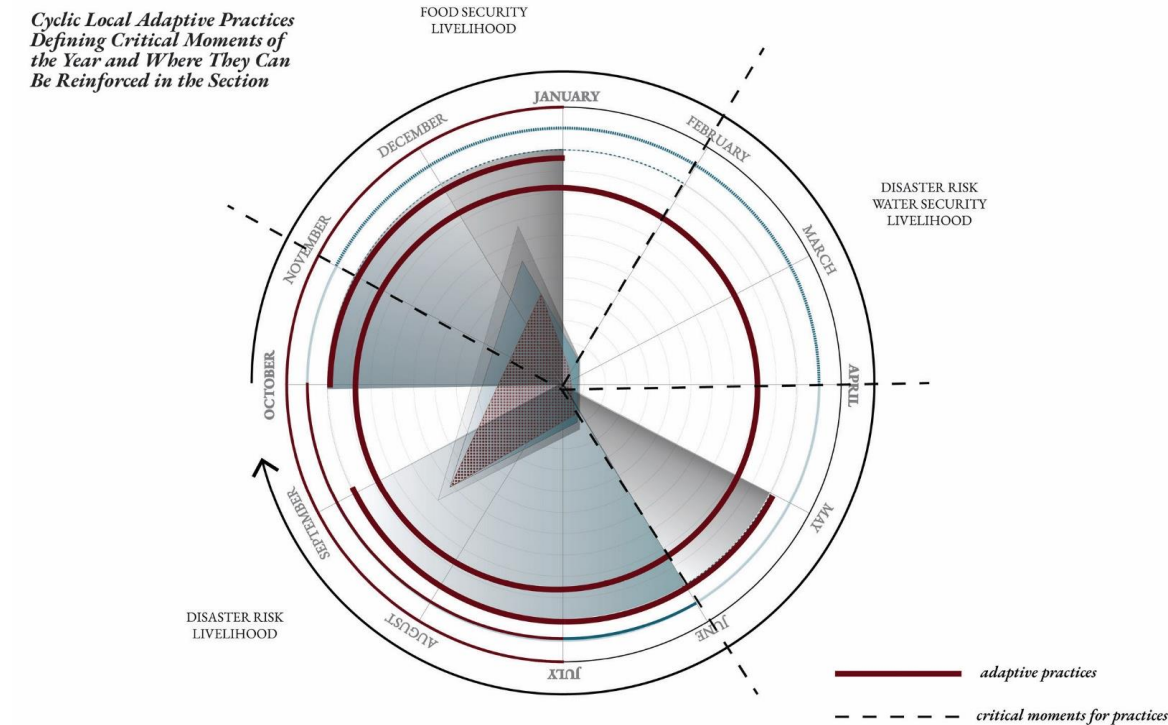
KNOWLEDGE TRANSMISSION

- Development of Equitable Adaptive Retreat or Relocation Programs
- Improvement of Informal Settlement Tenure Programs and Alternative Livelihood Streams
- Capacity-Building in Collaboraton with Local Cooperatives, LGUs, R&D, Academia, NGOs, CSO etc.



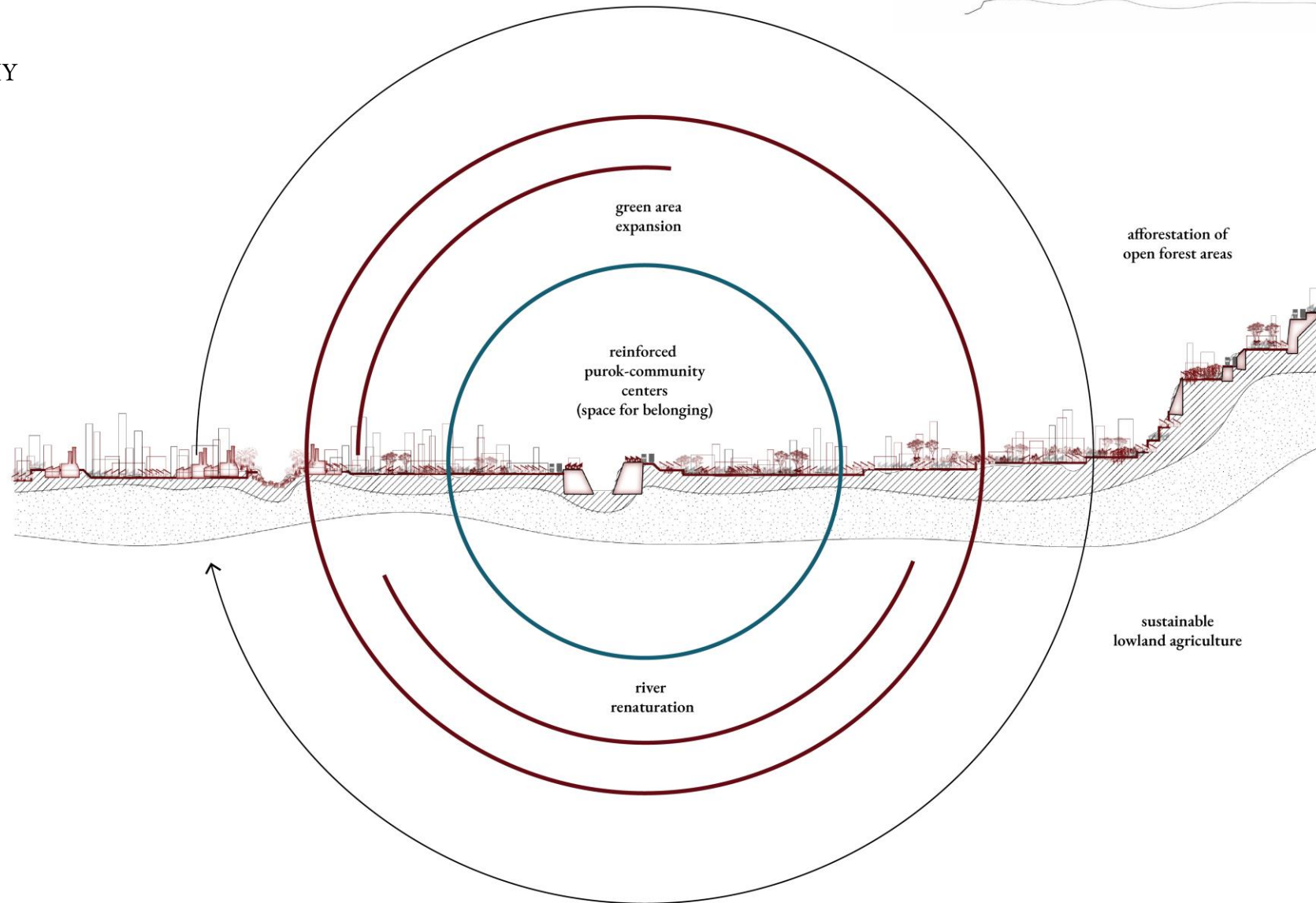
A Transitional Planning Model
The Mouth at 2100

FUTURE NOSTALGIA
LOCAL ADAPTIVE PRACTICES
OVER THE SITIO/PUROK SCALE



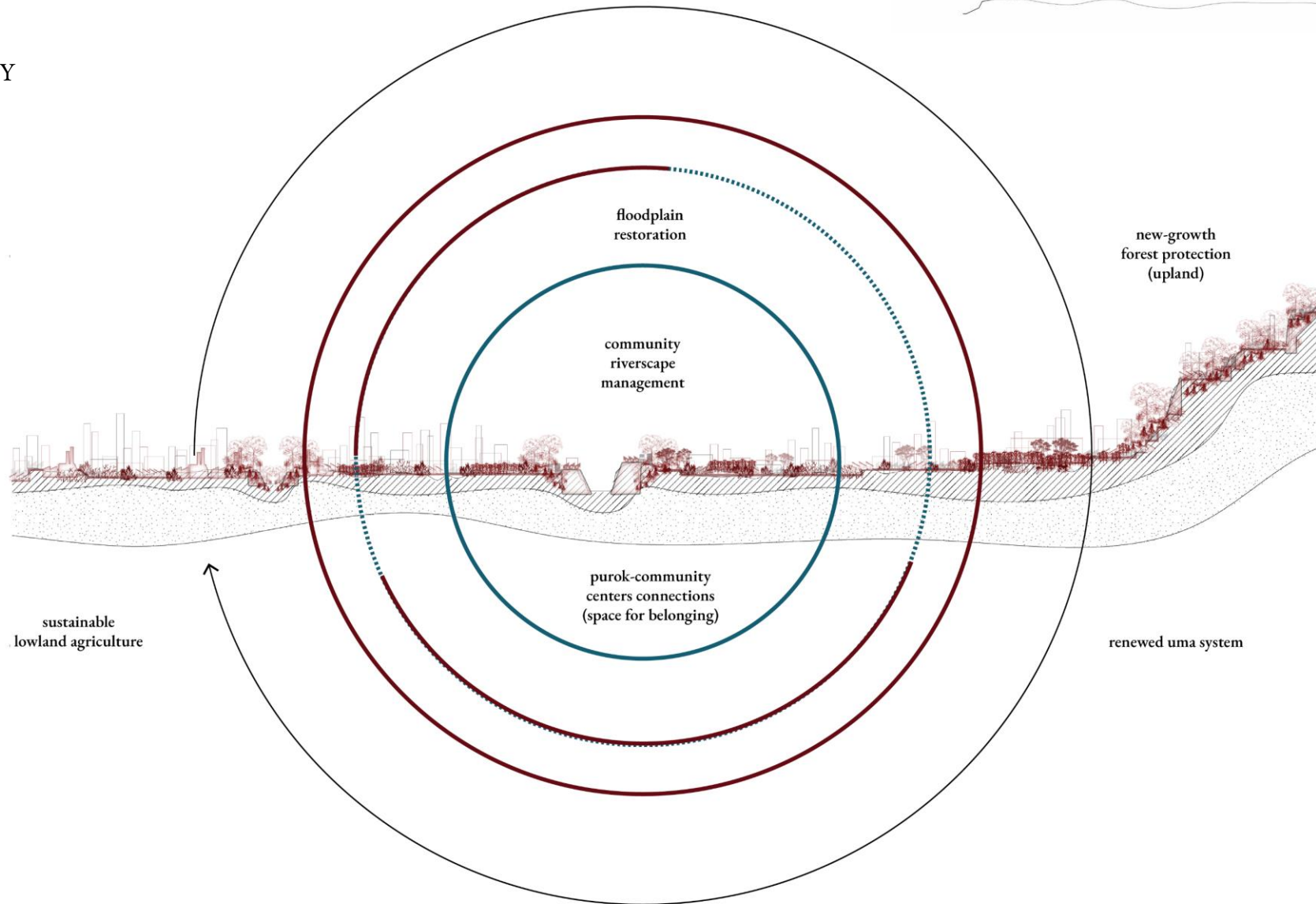
A Transitional Planning Model
The Mouth at 2100

FUTURE NOSTALGIA
CYCLIC CHOREOGRAPHY



A Transitional Planning Model
The Mouth at 2100

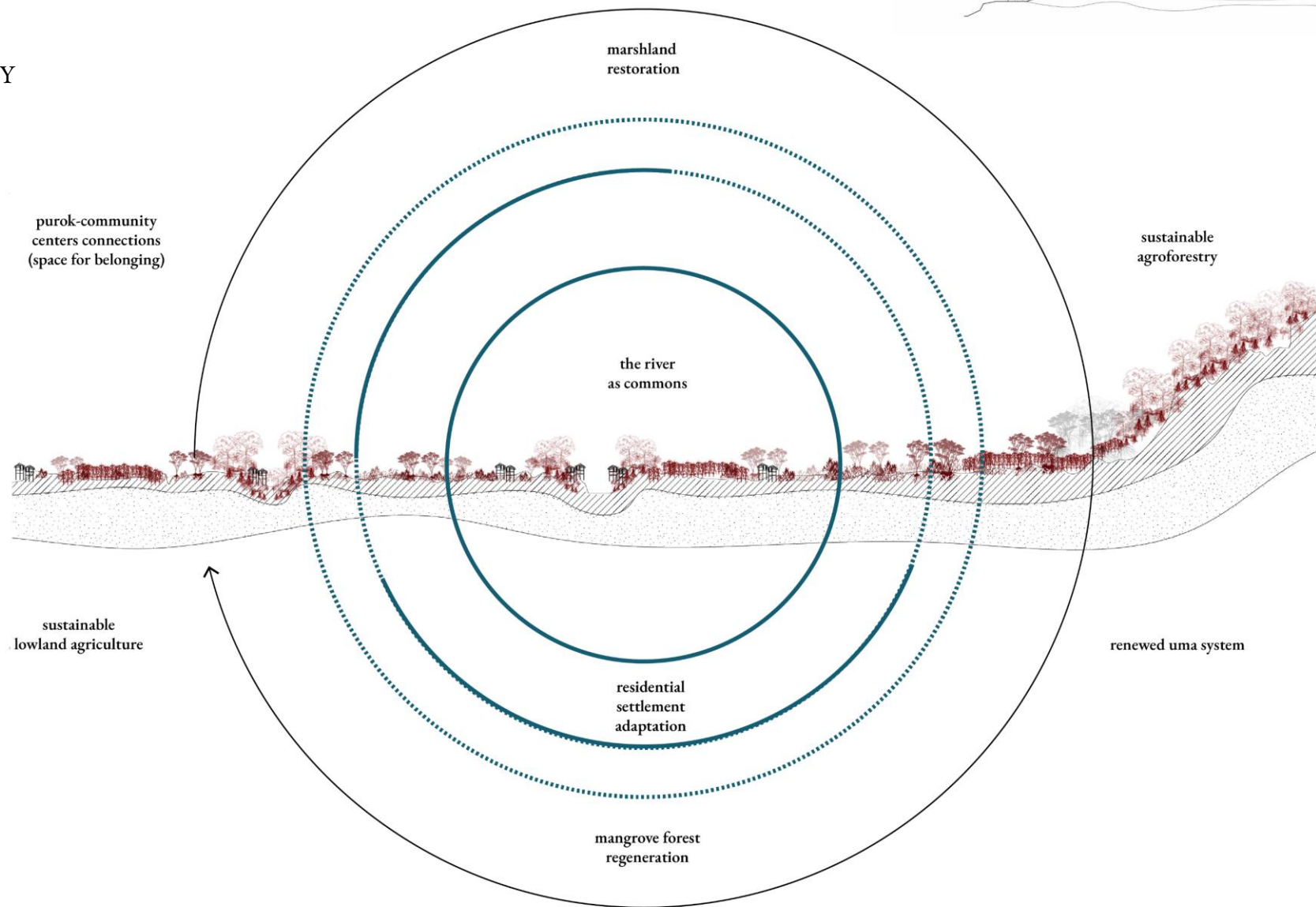
FUTURE NOSTALGIA
CYCLIC CHOREOGRAPHY



River Interface Unit 01
Transect Key

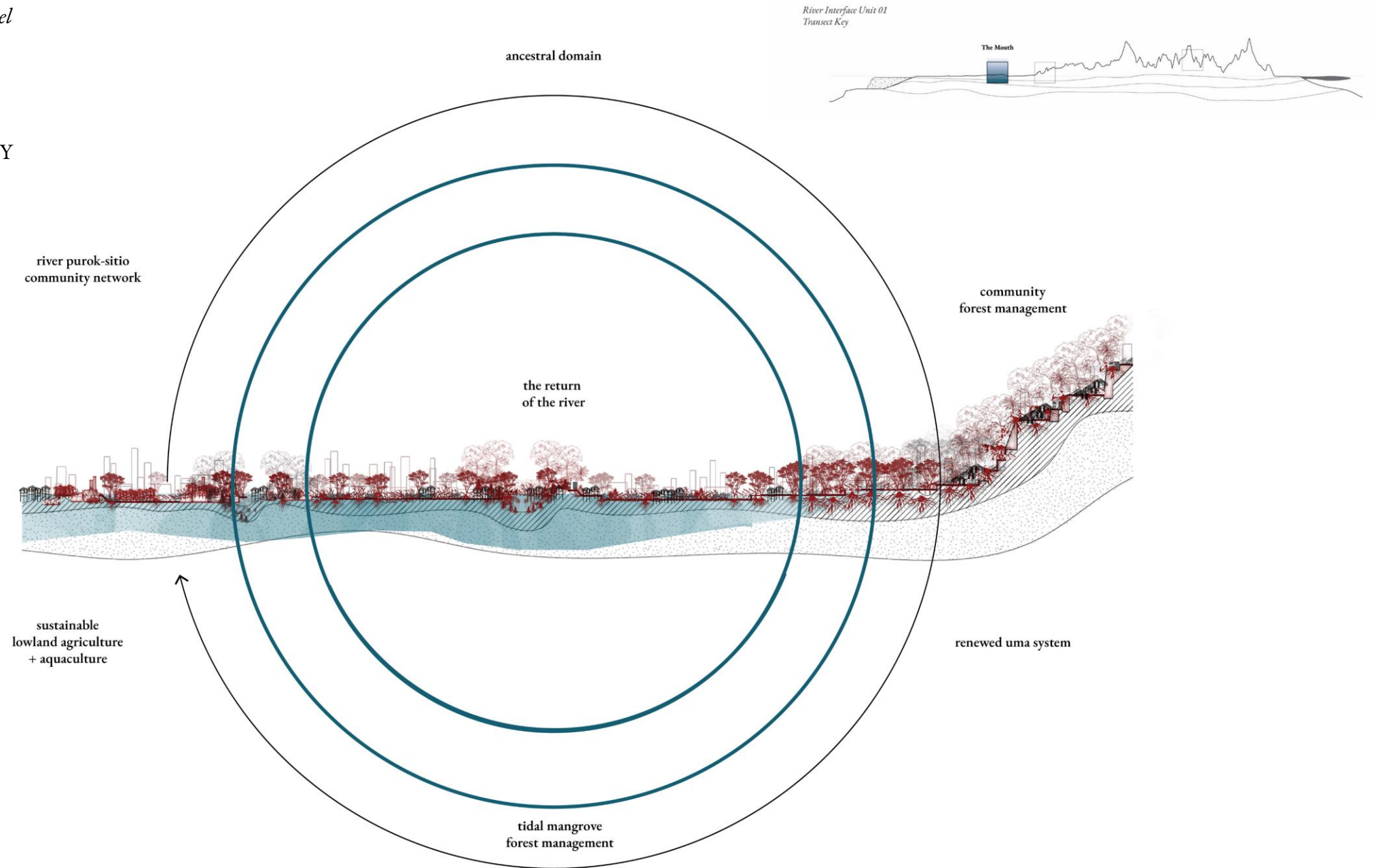
A Transitional Planning Model
The Mouth at 2100

FUTURE NOSTALGIA
CYCLIC CHOREOGRAPHY



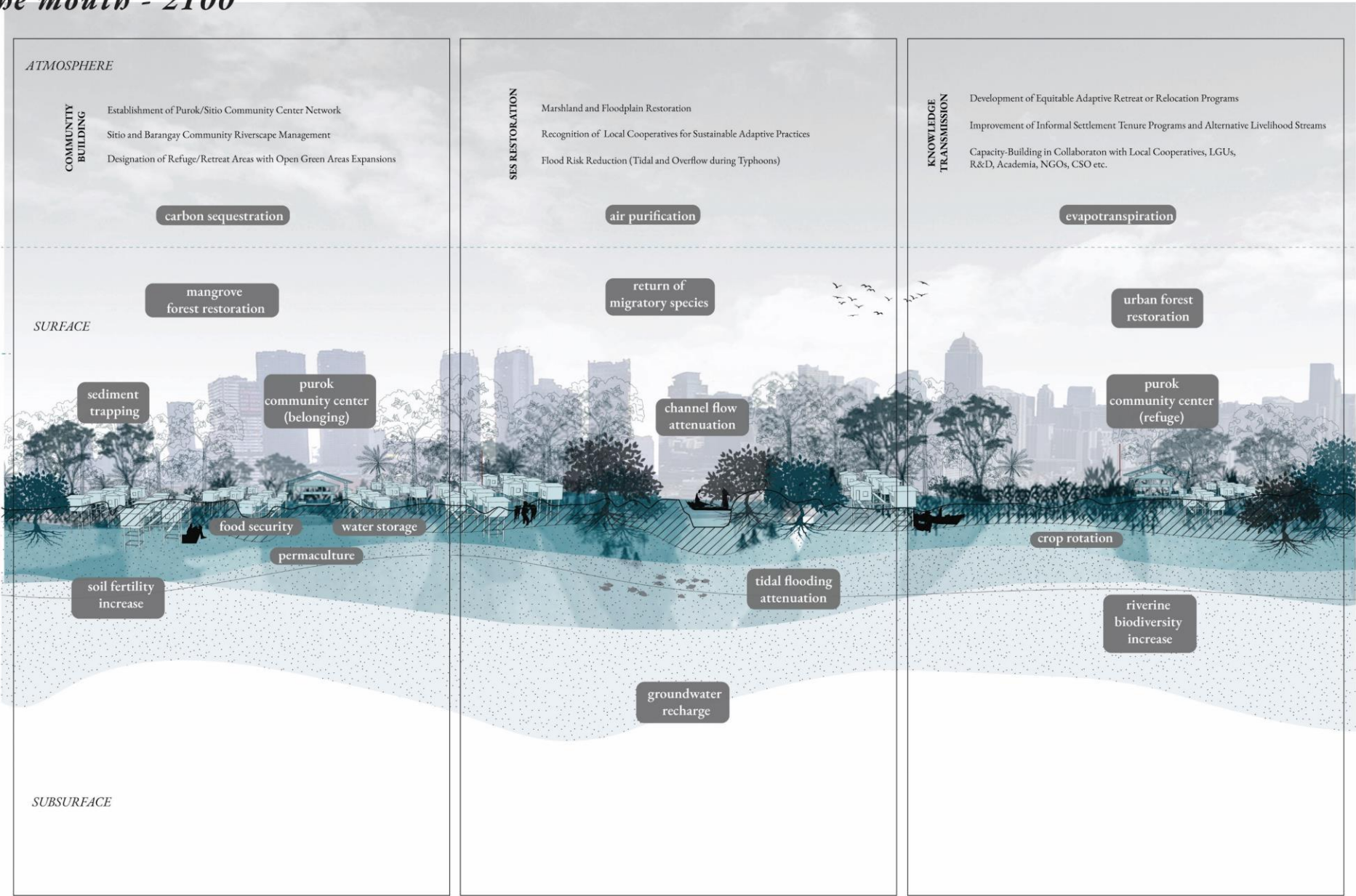
A Transitional Planning Model
The Mouth at 2100

FUTURE NOSTALGIA
CYCLIC CHOREOGRAPHY



FUTURE NOSTALGIA
ACCOMMODATION

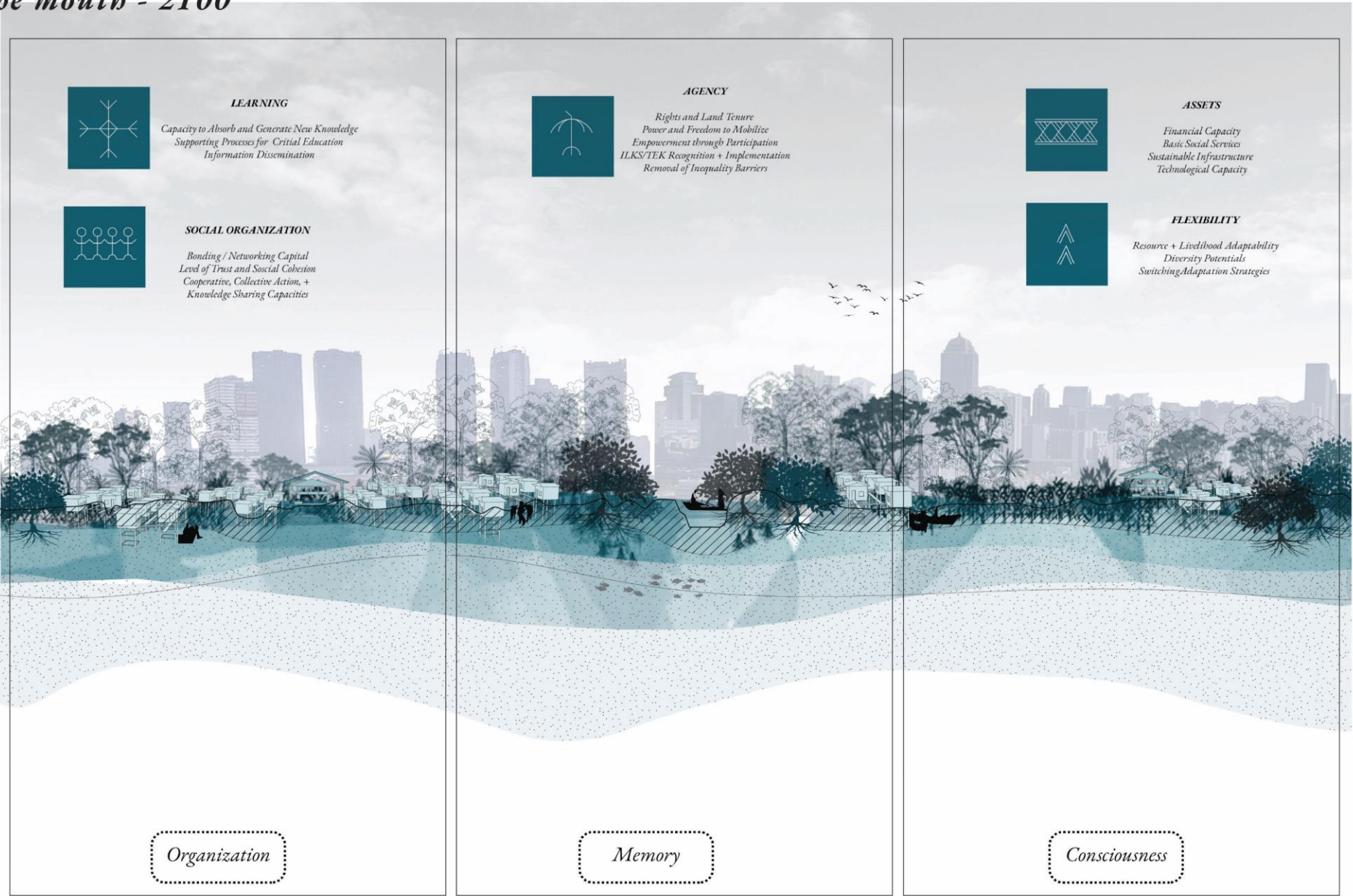
the mouth - 2100



The Mouth's Renewed
Core Memory System for Adaptation
Starting with Purok in the East Bank of the Manggahan
Floodway, Barangay Sta. Lucia, Metro Manila

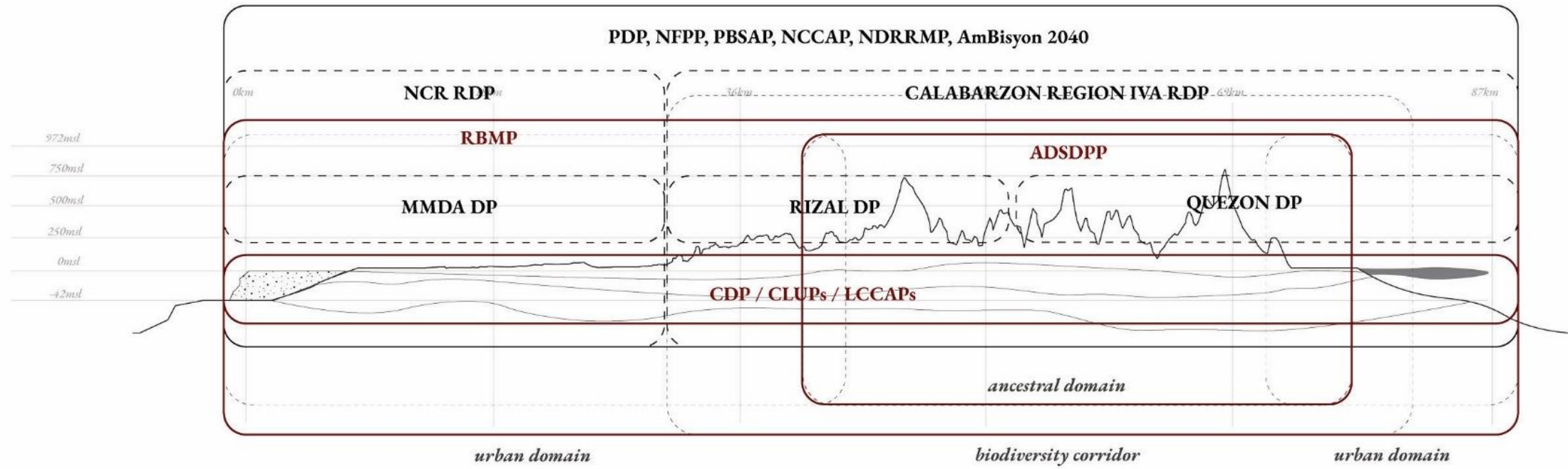
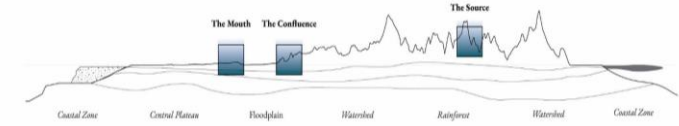
FUTURE NOSTALGIA
ACCOMMODATION

the mouth - 2100



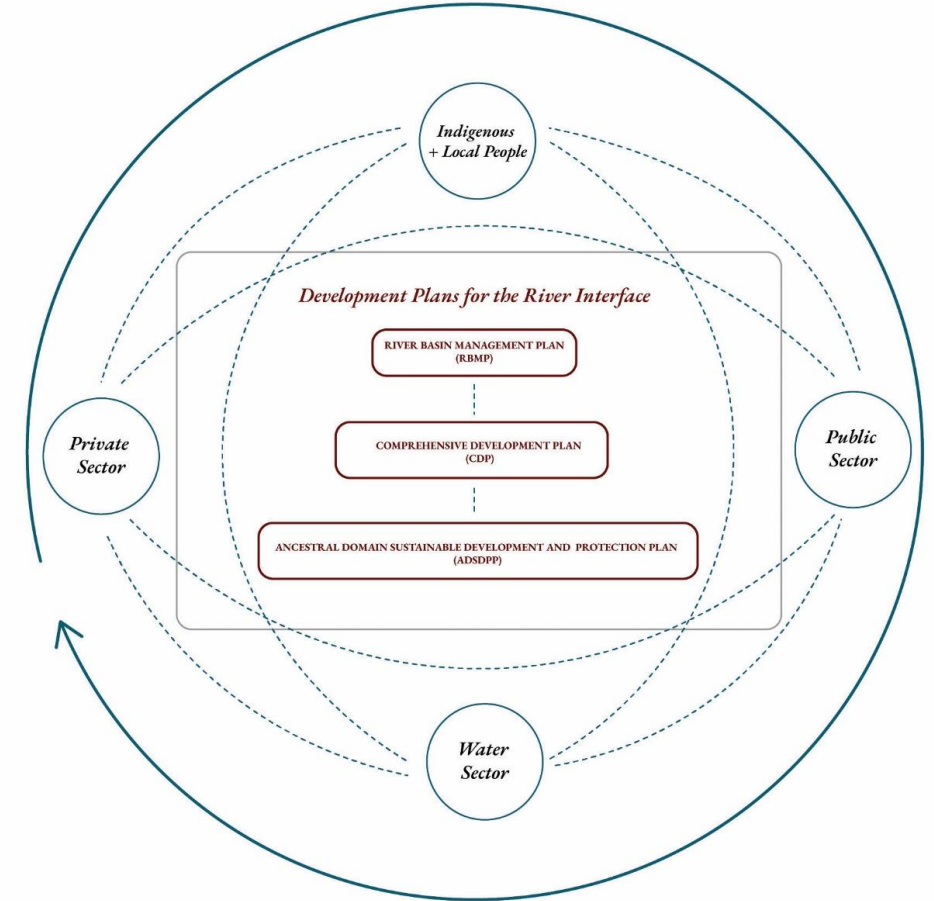
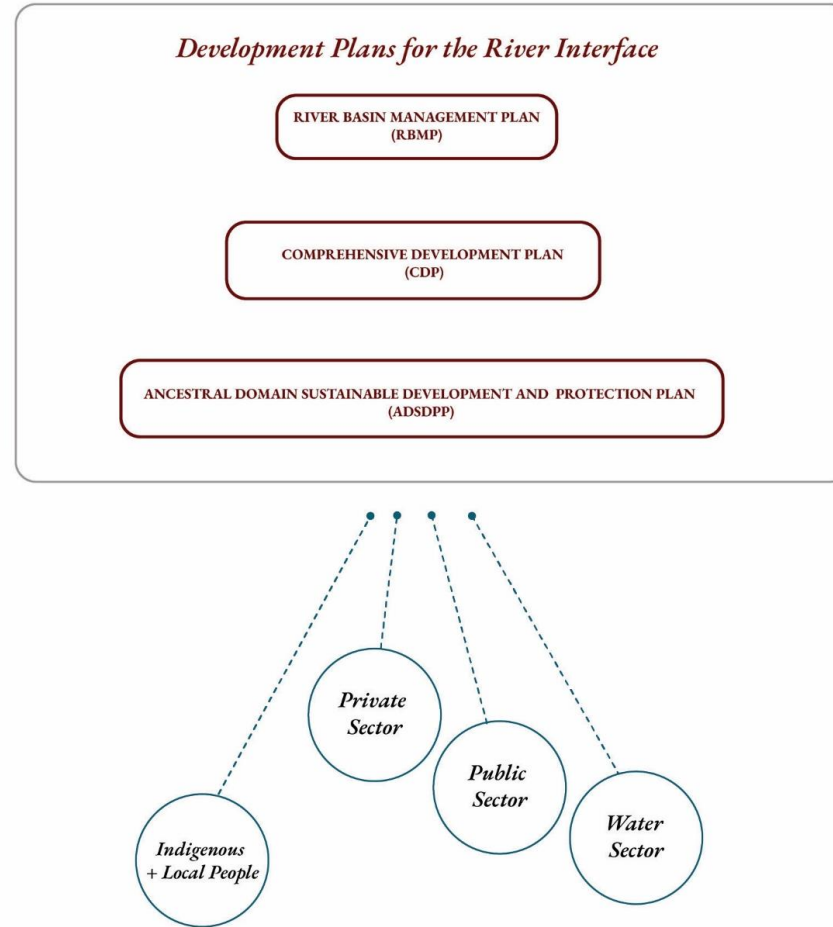
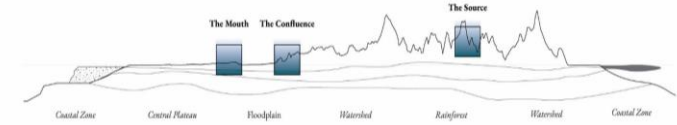
A Transitional Planning Model
Towards a Pluriversal,
Collaborative, and Adaptive
Governance of the River

River Interface Unit 01
Transect Key



A Transitional Planning Model
Towards a Pluriversal,
Collaborative, and Adaptive
Governance of the River

River Interface Unit 01
Transect Key

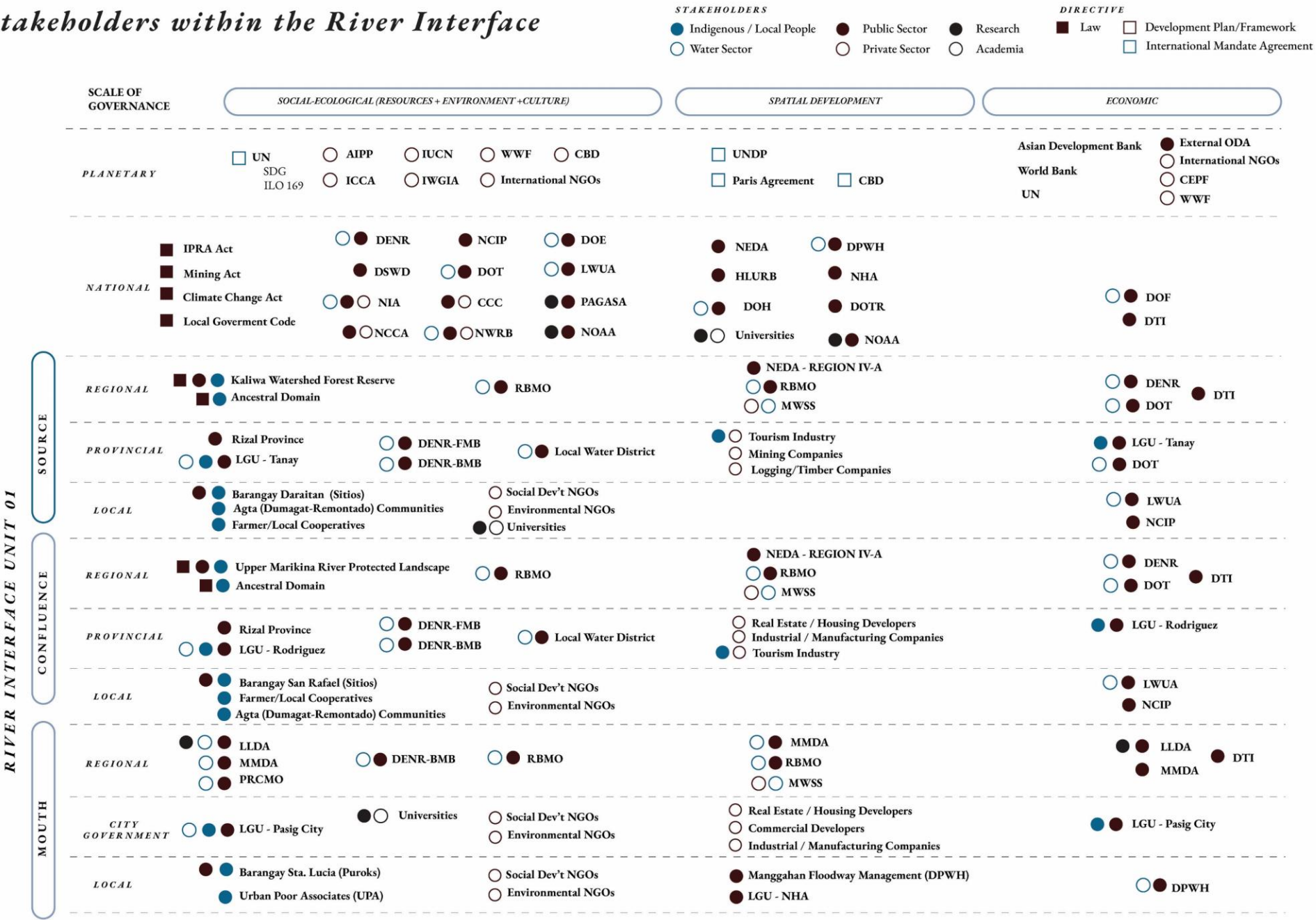


*From a centralized, traditional sectoral
planning approach to a contemporary and
emergent approach to planning*

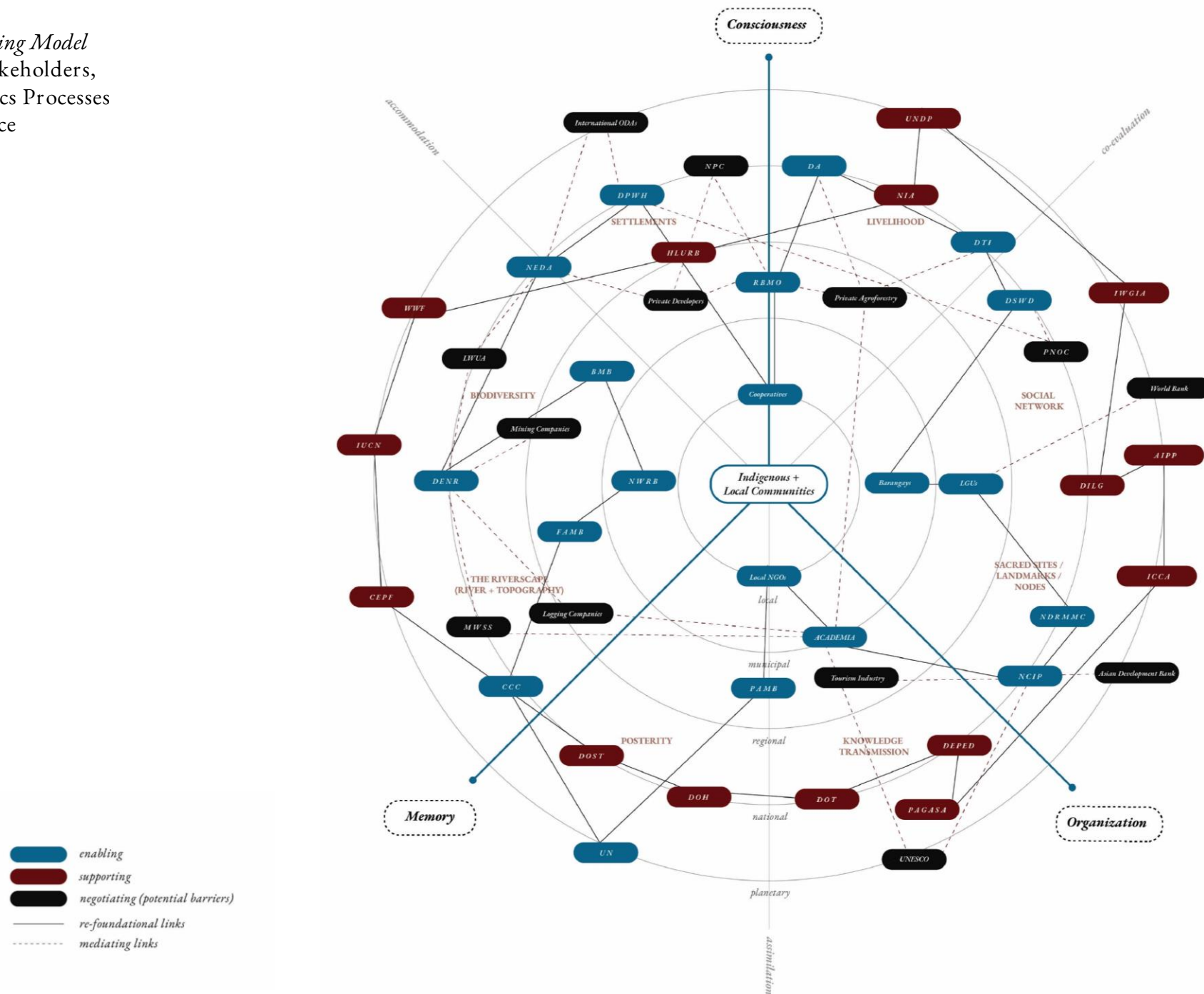
A Transitional Planning Model

Stakeholders within
The River Interface

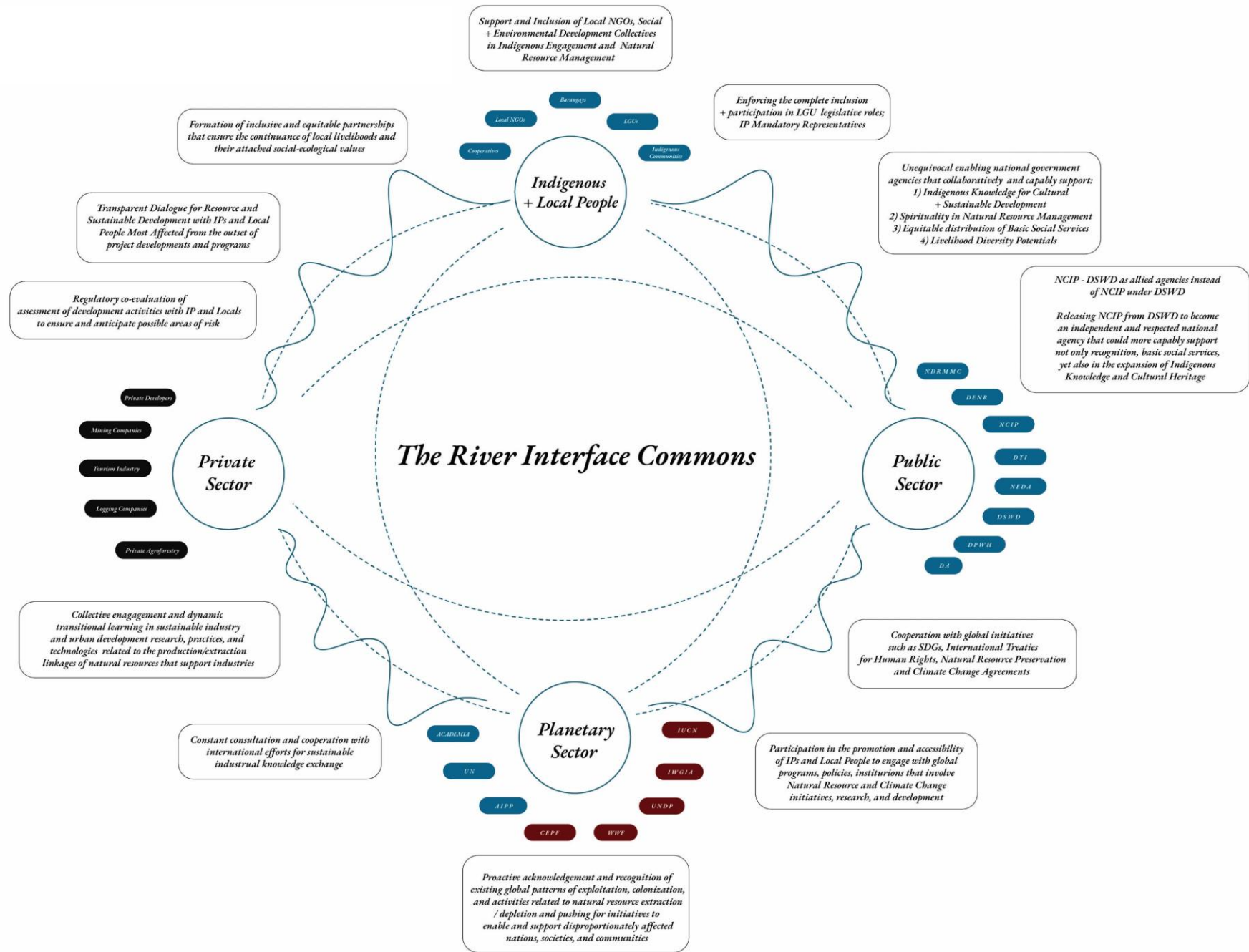
stakeholders within the River Interface



A Transitional Planning Model Constellation of Stakeholders, Values, and Dynamics Processes In the River Interface



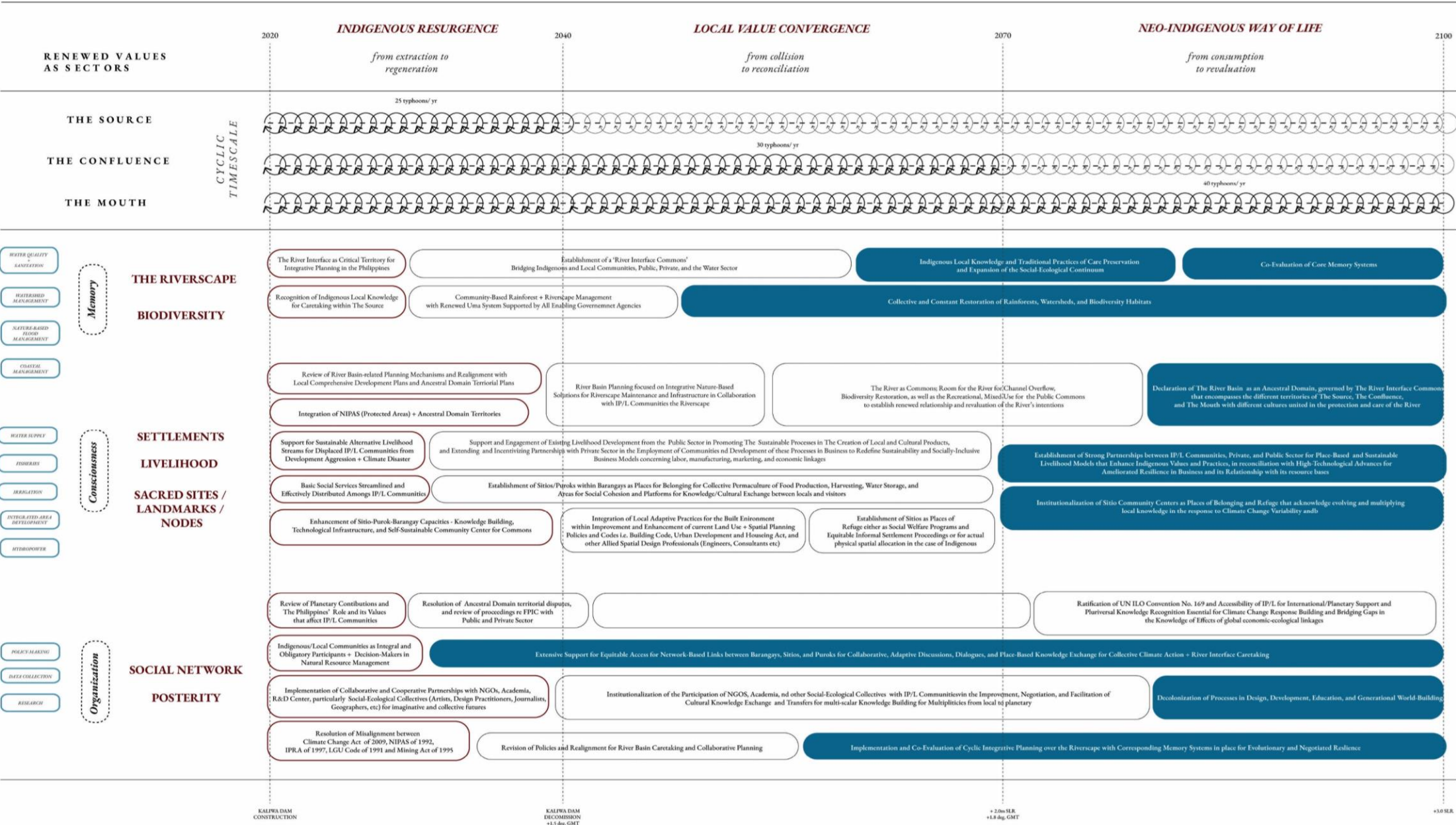
A Transitional Planning Model
A Transitional Co-Management
Regime with the
River Interface Commons



A Transitional Planning Model

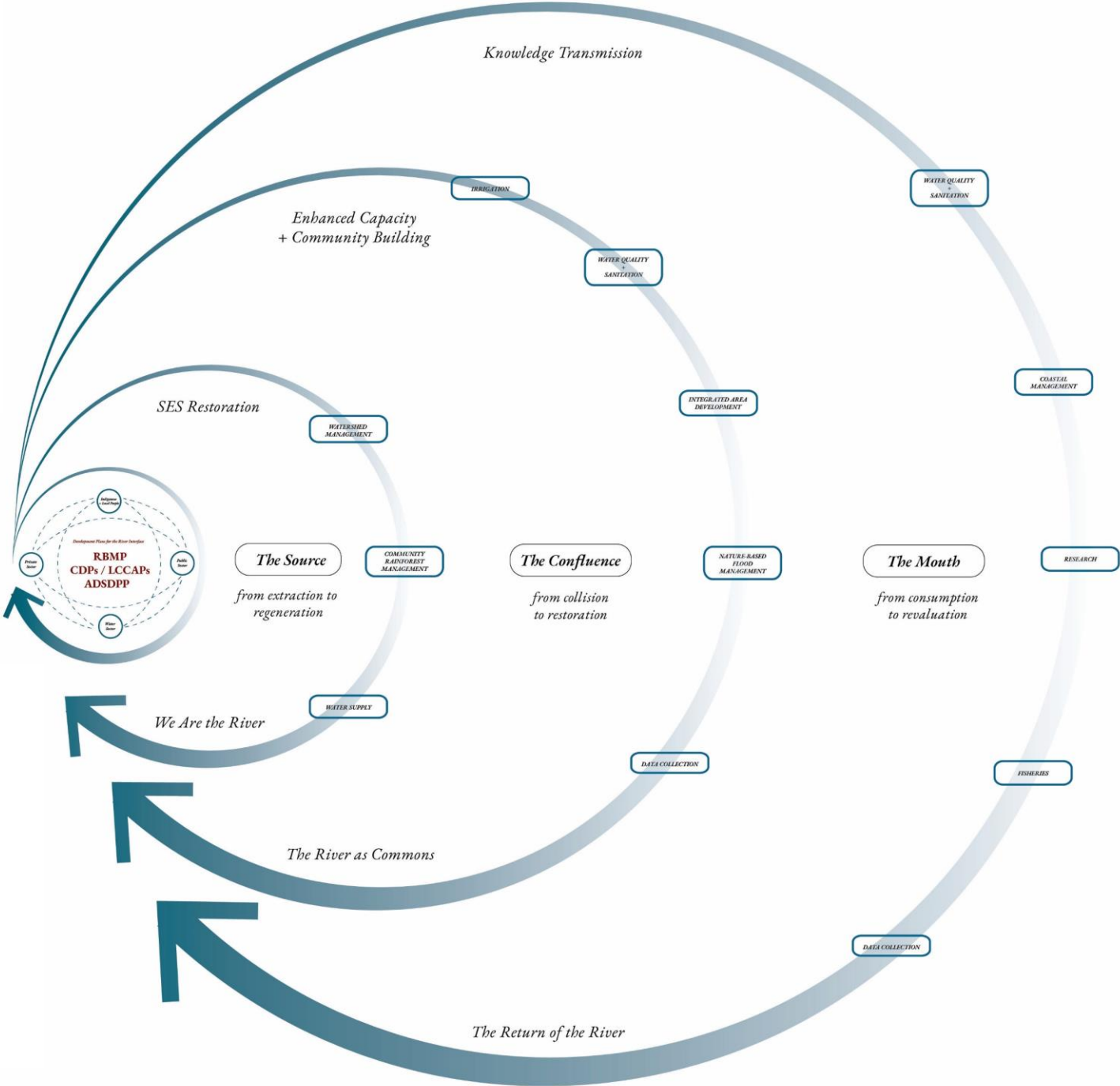
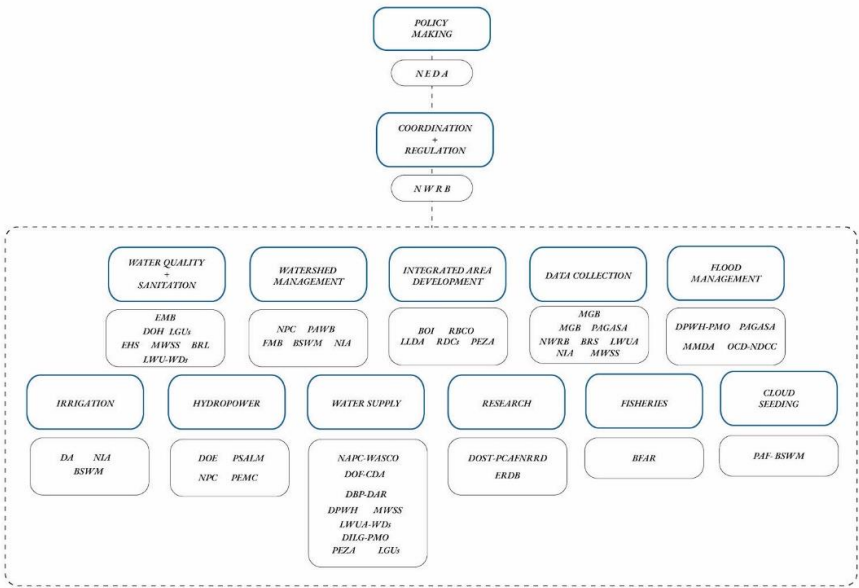
Cyclic Choreography

Operability



A Transitional Planning Model
The Evolutionary Roles of
Caretaking in the
River Interface

Old Roles, Structure,
and River Basin Management
Sectors



A Transitional Planning Model
Pathway Convergence
Over the River Interface

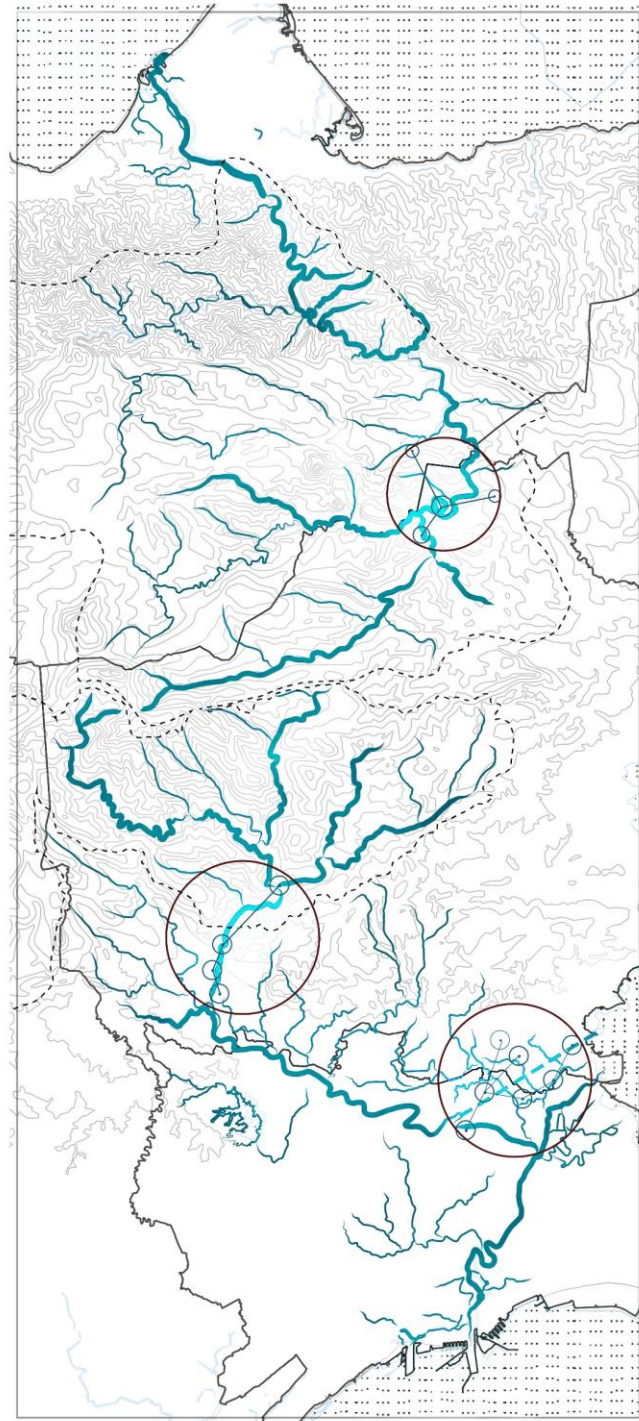
THE RIVER
INTERFACE UNIT 01
Pasig-Laguna-Marikina
River Basin, LUZON, PH

The Confluence
The River as Commons

The Source
We Are the River

The Mouth
The Return of the River

memory
consciousness
organization



A Transitional Planning Model
Pathway Convergence
Over the River Interface

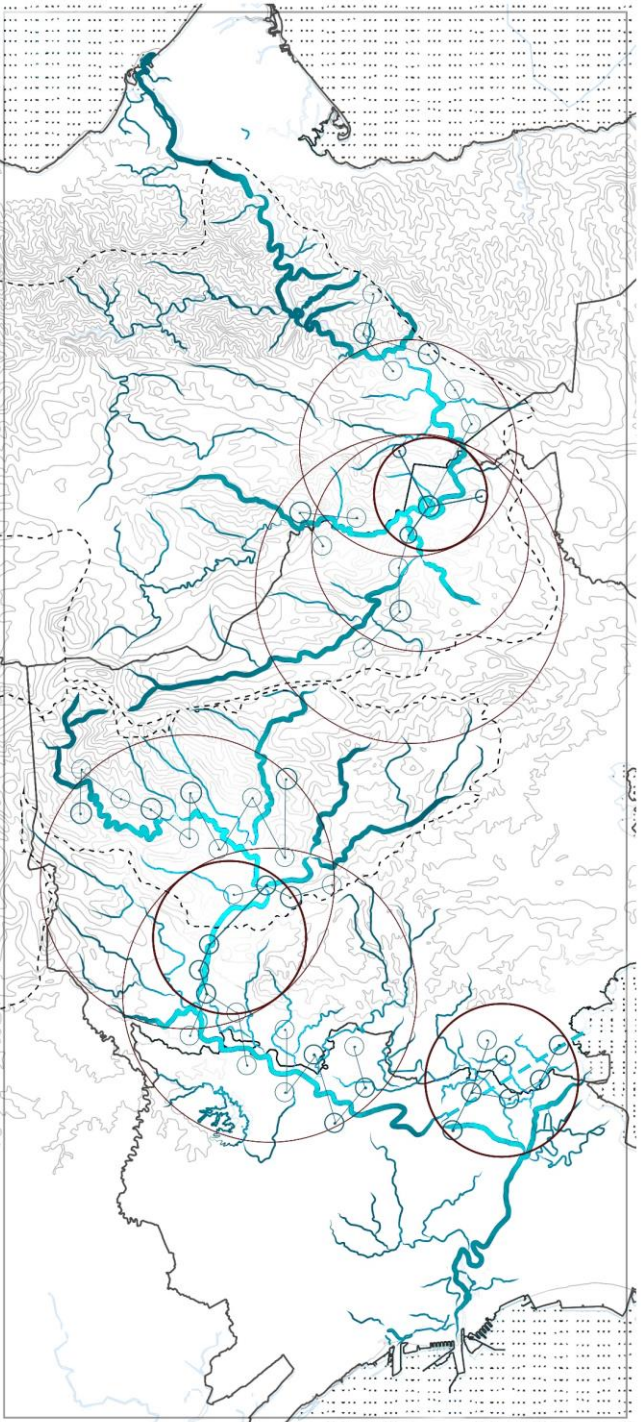
THE RIVER
INTERFACE UNIT 01
Pasig-Laguna-Marikina
River Basin, LUZON, PH

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A Transitional Planning Model
Pathway Convergence
Over the River Interface

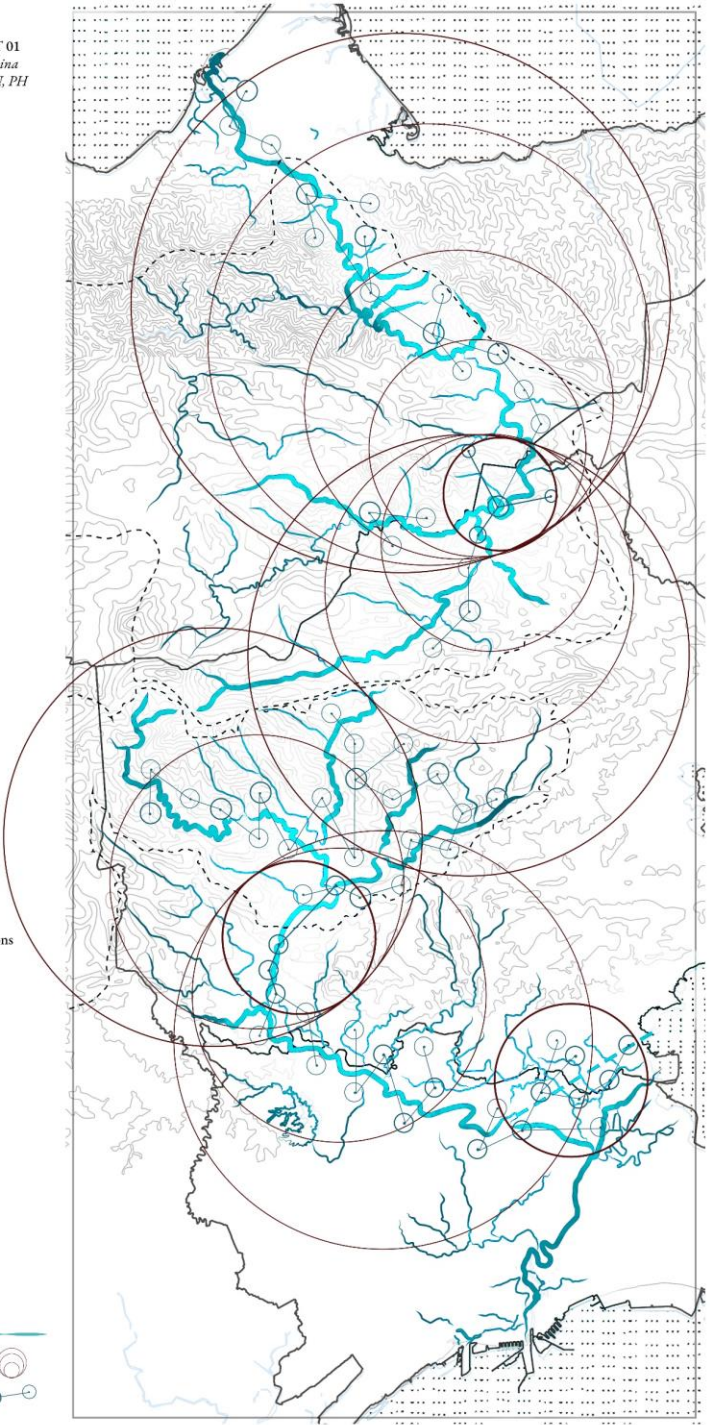
THE RIVER
INTERFACE UNIT 01
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River Basin, LUZON, PH

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A Transitional Planning Model
Pathway Convergence
Over the River Interface

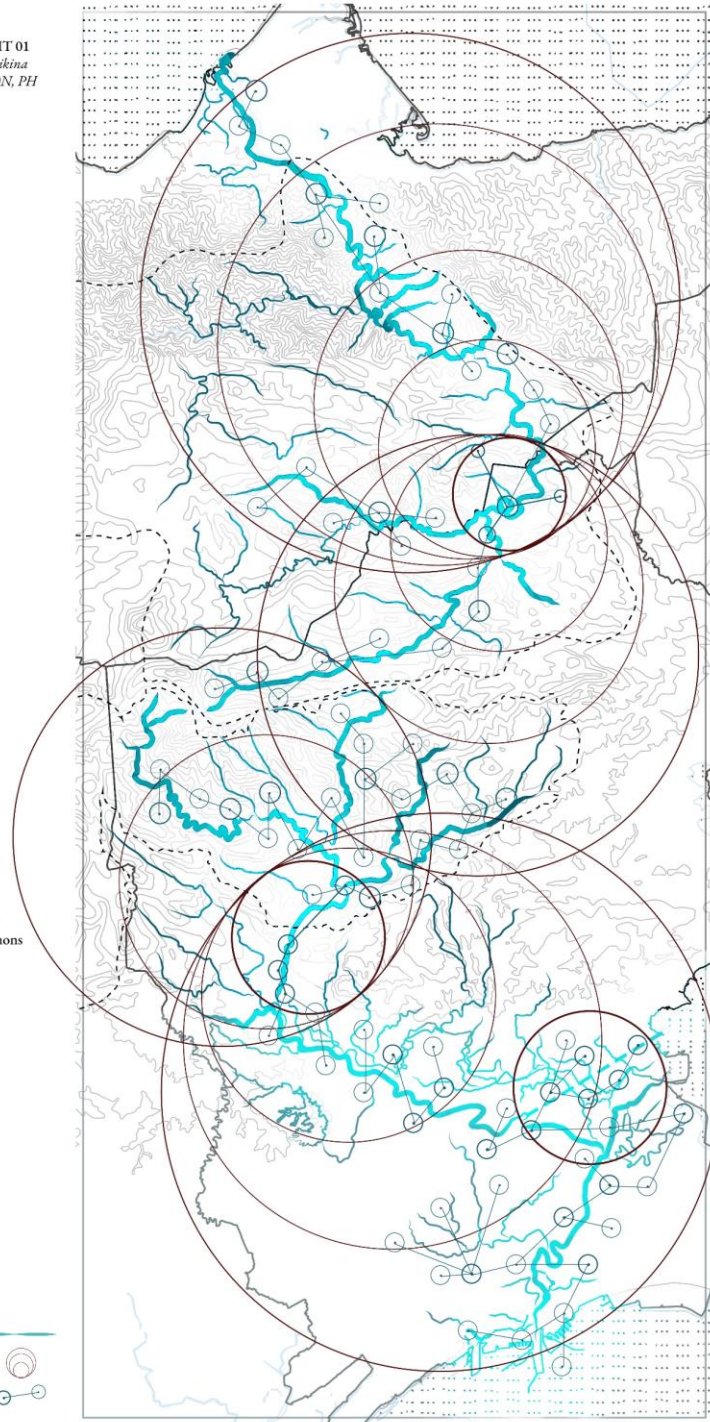
THE RIVER
INTERFACE UNIT 01
Pasig-Laguna-Marikina
River Basin, LUZON, PH

The Confluence
The River as Commons

The Source
We Are the River

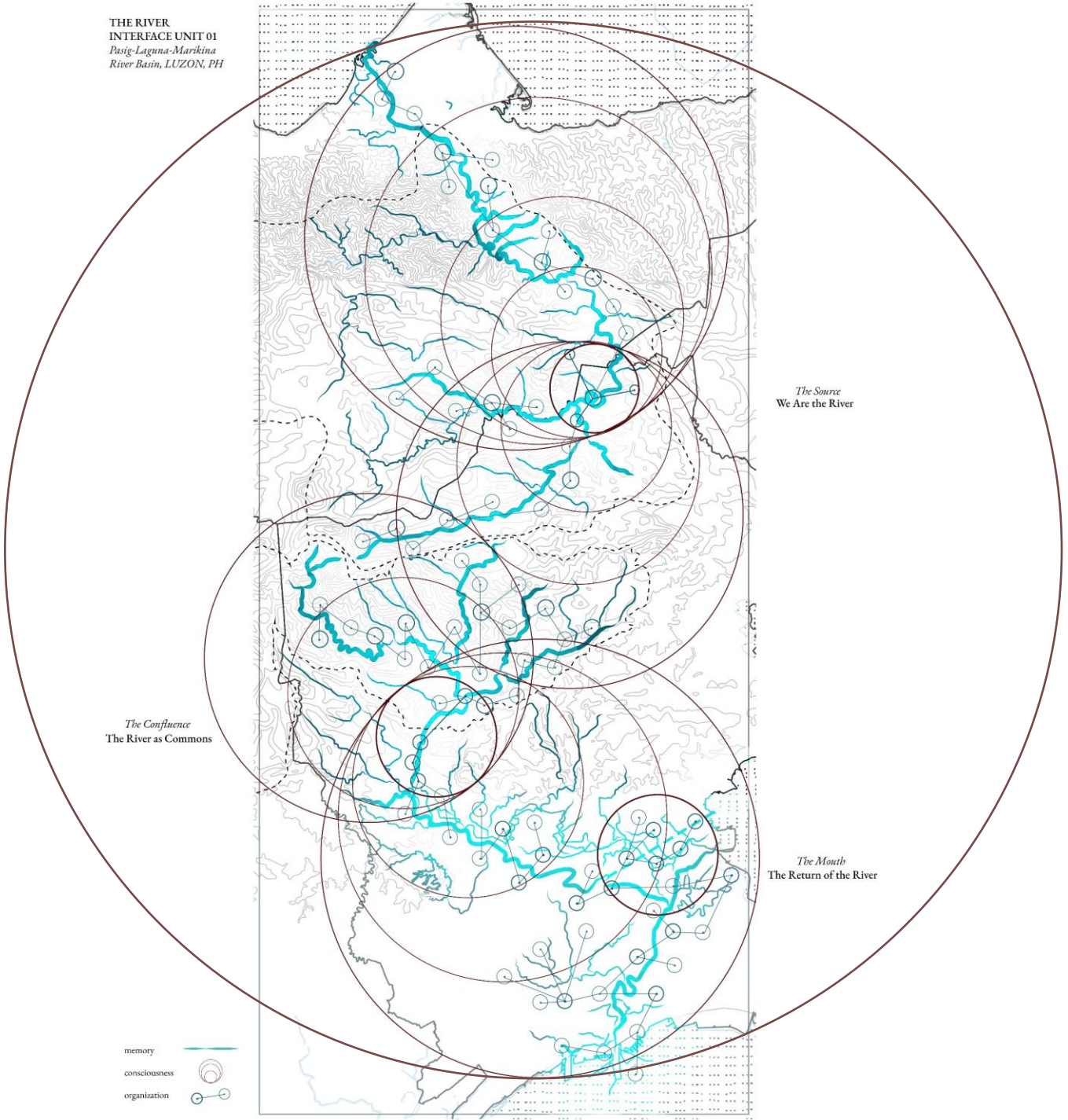
The Mouth
The Return of the River

memory
consciousness
organization

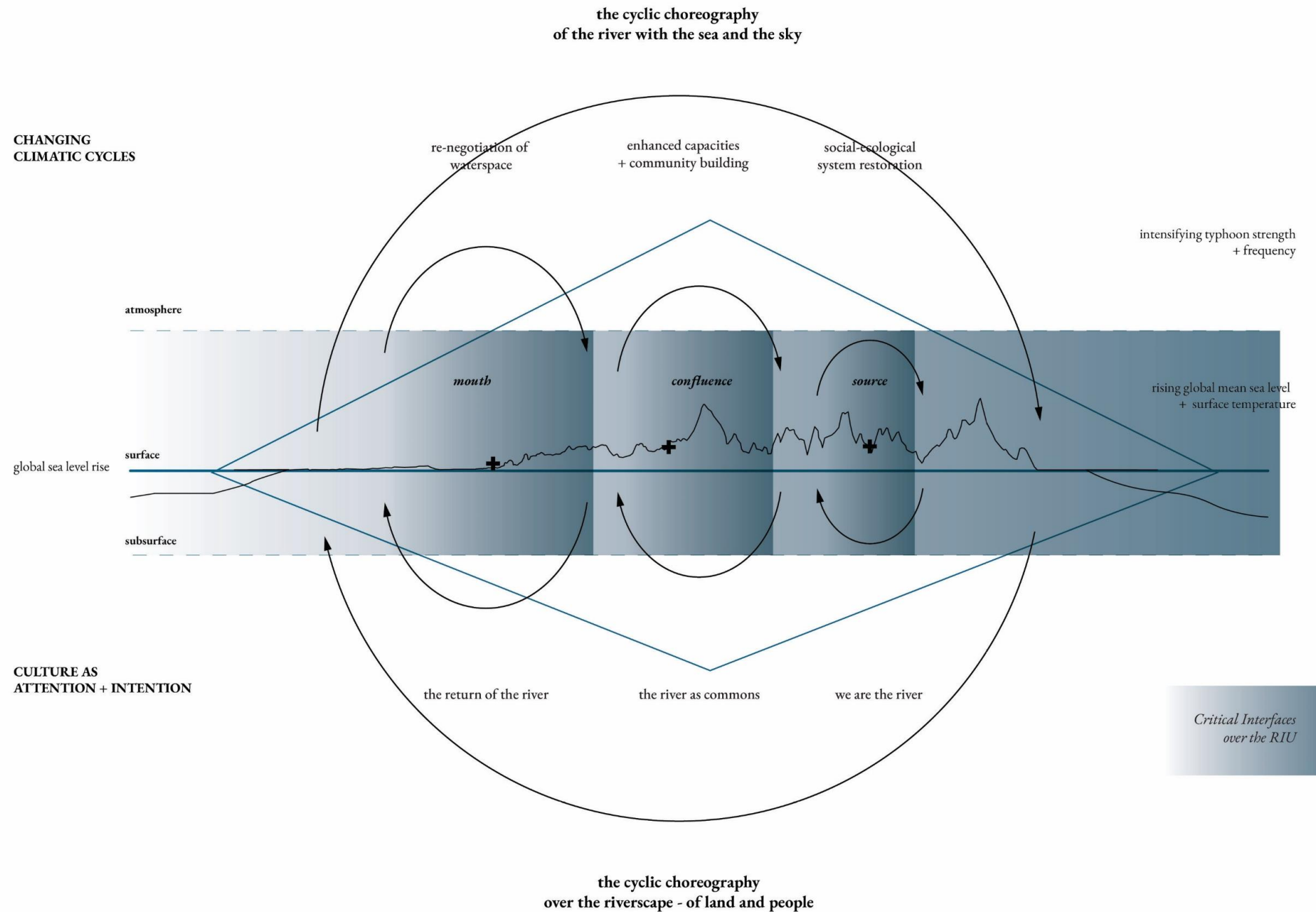


A Transitional Planning Model
Pathway Convergence
Over the River Interface

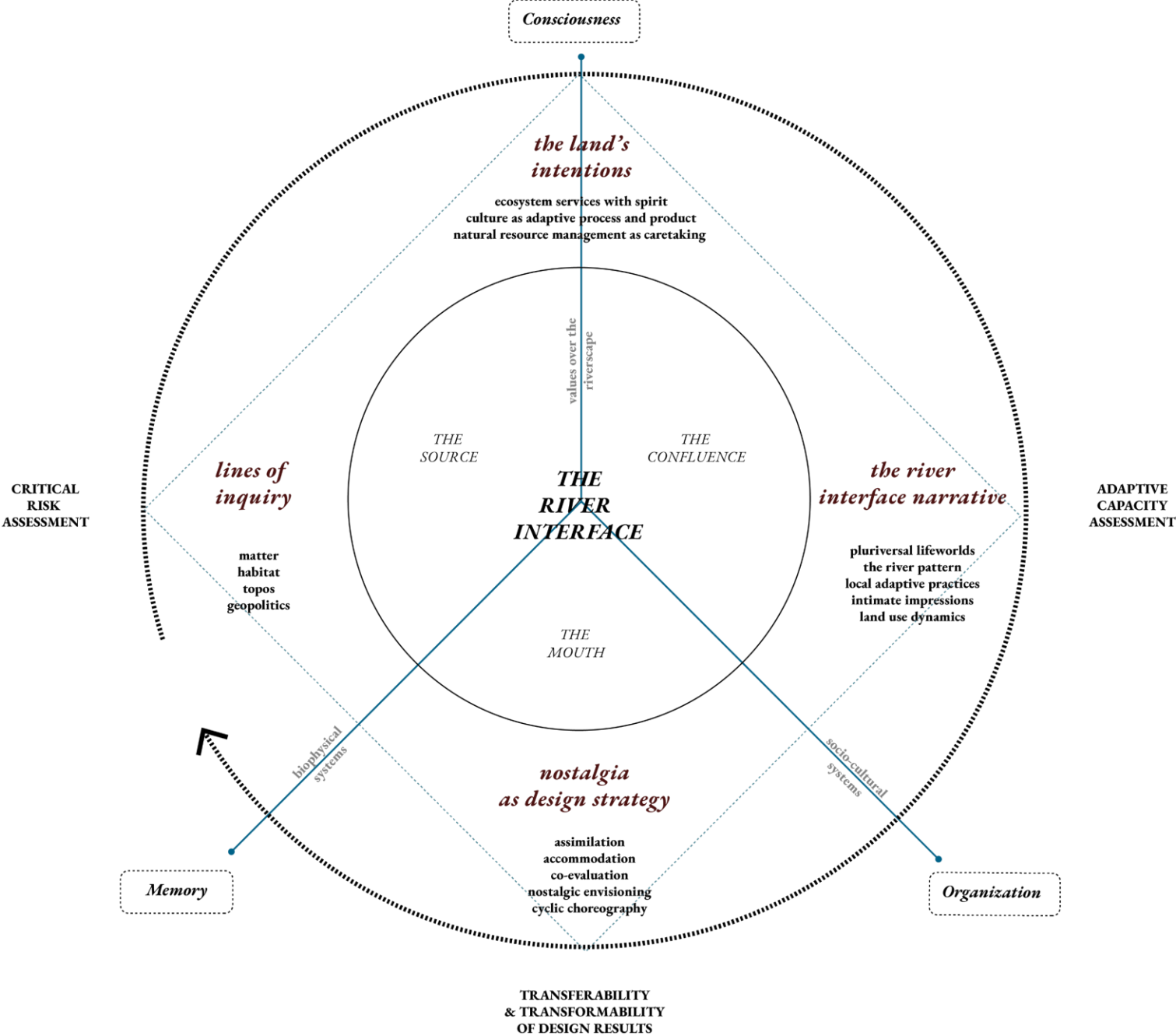
THE RIVER
INTERFACE UNIT 01
Pasig-Laguna-Marikina
River Basin, LUZON, PH

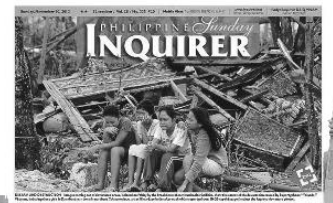


A Transitional Planning Model
Renewed Memory Systems at
The River Interface 01



Conclusion
New Dimensions for
River Interface Planning





'Time to help each other'
Find someone, P-Noy
The dead littered on the road, the living in a daze

STOP THE KILLIN









the river as endless territory

*restoring the social-ecological continuum in
the Philippine Archipelago*

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