

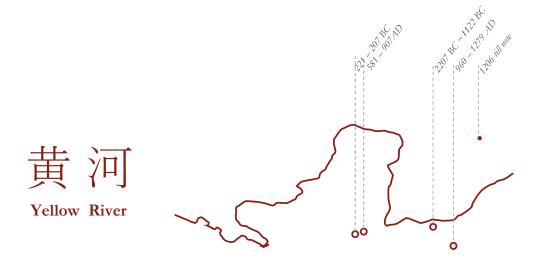
CONTEXT/

YELLOW RIVER



0

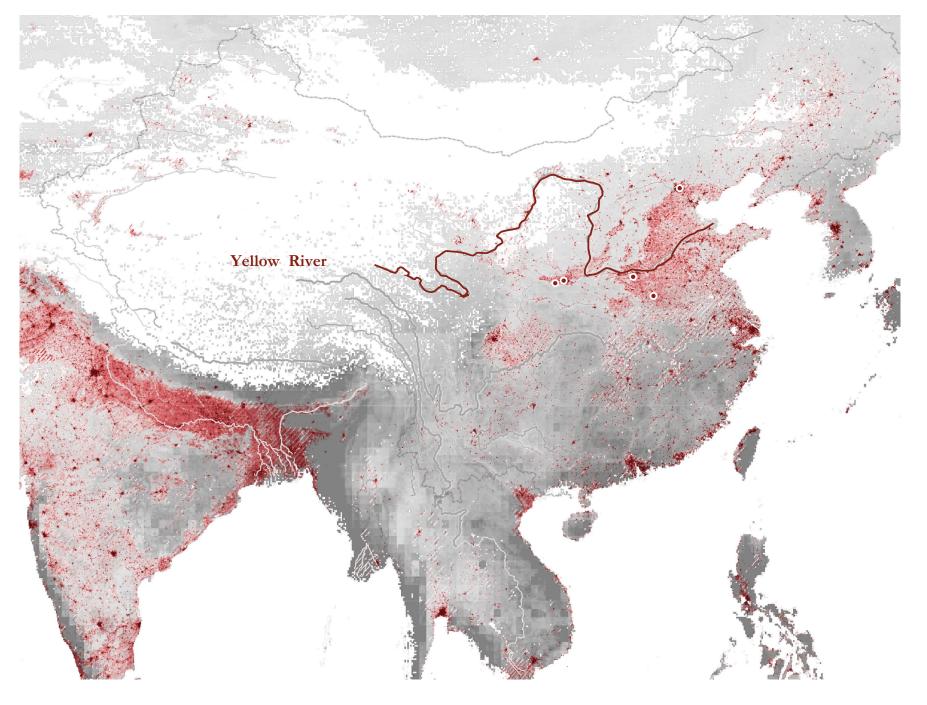
CONTEXT/ YELLOW RIVER



History of the capital of each dynasty geographical location (Ages of Great Unities)

CONTEXT/

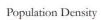
YELLOW RIVER



Yellow river is feeding millions of people with only 2% of the national water resources.

Nature runoff







Irrigatied land (%)



21-60

61-100

CONTEXT/ WATER SCARCITY



In 2007, the Yellow river dried up: for 277 days it failed to reach the sea

CONTEXT/ WATER SCARCITY



The source of Yellow River is also facing the drying up of crucial wetlands and pastures

CONTEXT/ WATER ENGIN 696 km branch canal 2014 Water arrives in East Route Pumping Stations Total: 22 ROUTE 1264 km ROUTE 1152 km 2002, Dec Sanjiang National Nature Reserve 1942-1943 2000 Legally estab-WEST Transfer system will feed the Yellow River Jiangdu Pumping St 1980s Construction 1958 - 1973 Construc tion 2005 - 2009 Height ex-There are long-standing plans to divert about 200 billion cubic metres of water annually from the upstream sec-tions of six rivers in southwestern Yalong Diversion 131 km as part of Central Route re to the dry areas of northern China through a system of reservoirs, tur nels and natural rivers. 2012 Fully operational

1932

1938

1942-1943

1952

wad zeoong pants local or orverting water from south to arid north: "Water in the south is abundant, water in the north scarce. If possible, it would be fine to 1958-1978

1959-1961

South-North water transfer project is the world`s largest water diversion project that brings water in Yangtze river to the north to feed the region`s water

1970's

1960's

1980's

1990's

2000

2002-200

2010-2011

2012

2013-2014

2050

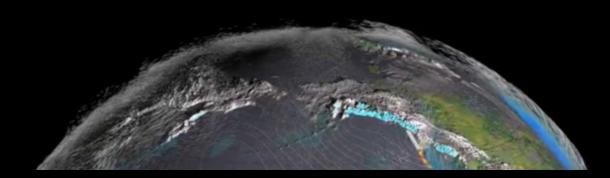
1 Atmospheric geo-engineering generate more rain

China's 'Sky River' Will Be The Biggest Artificial Rain Experiment Ever



1 Atmospheric geo-engineering generate more rain



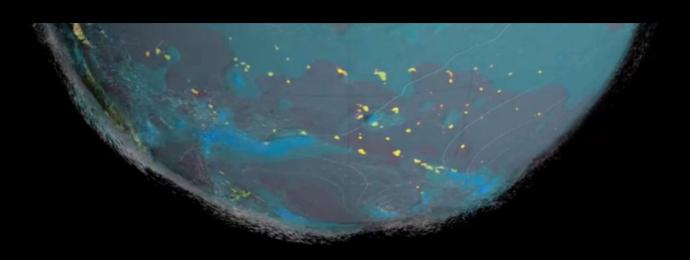


SKY RIVER

Atmospheric river

"it's a long, narrow, and transient corridor of strong horizontal water vapor channel that transport water and energy around the globe"

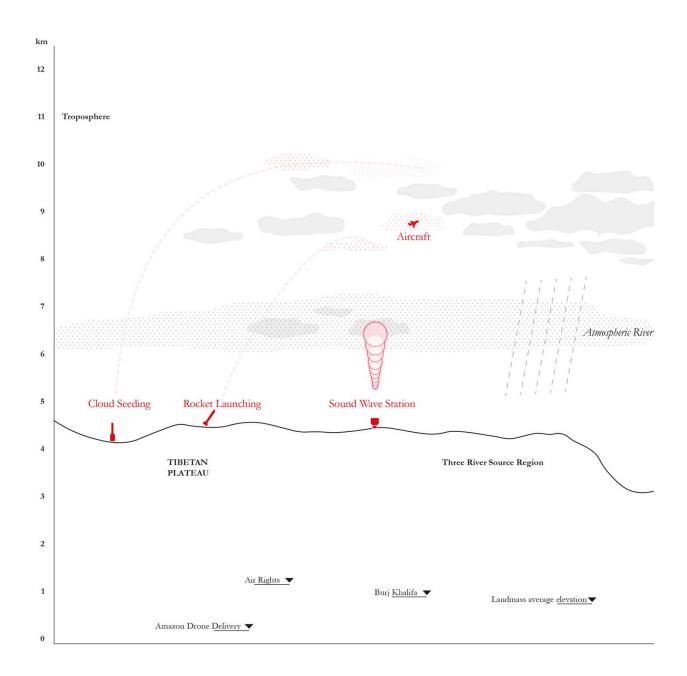




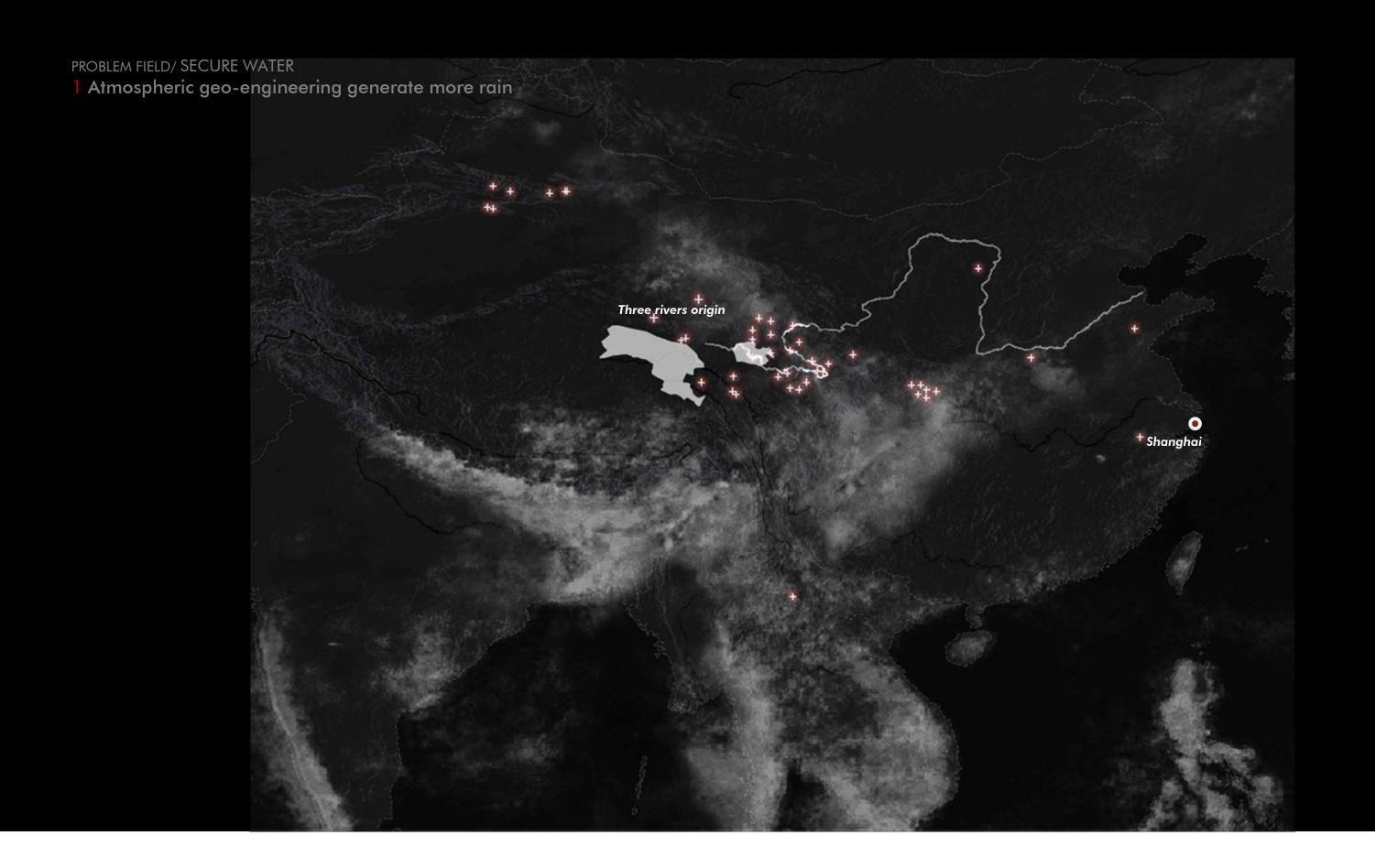


1 Atmospheric geo-engineering generate more rain

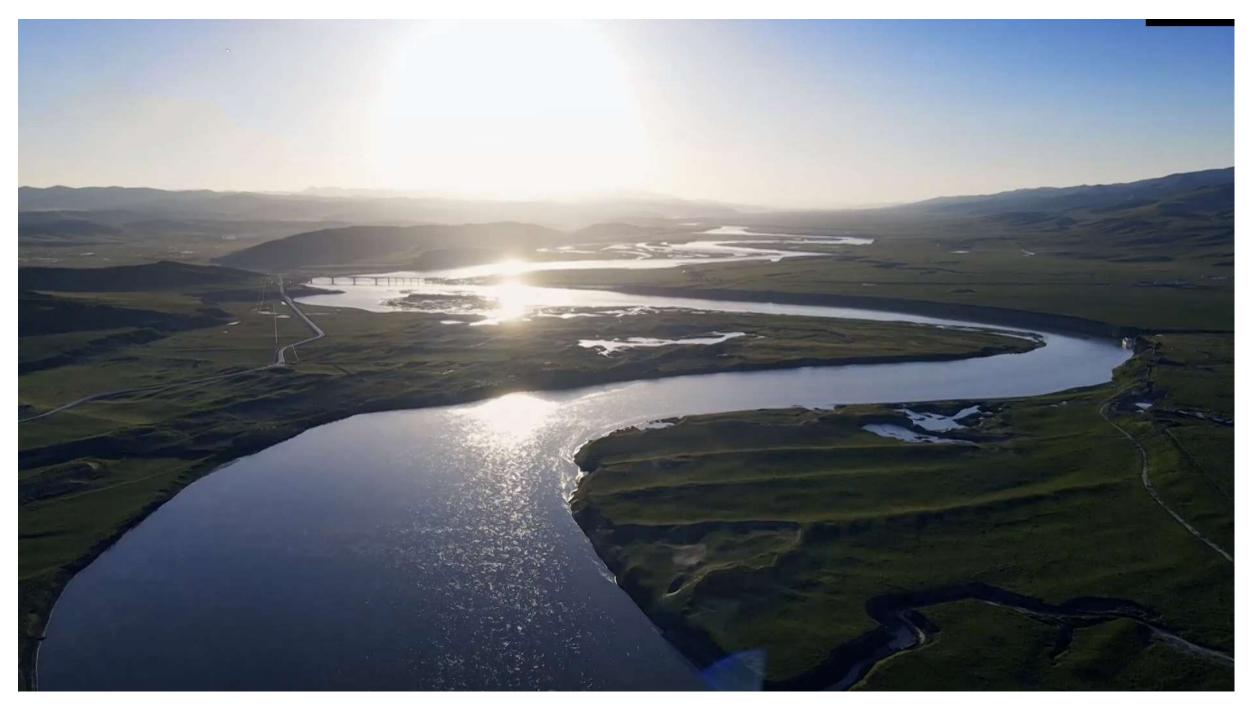












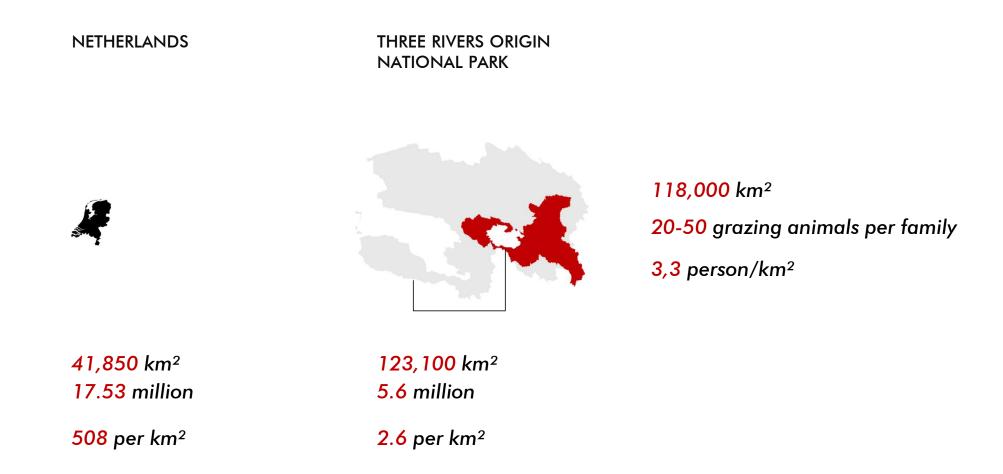
The only link between these 2 places, are rivers. Through the rivers flowing from 4000 meters latitude plateau, they help to secure the national water safety and ensure its flowing.

2 An exclusive and fixed national park to keep water source clean

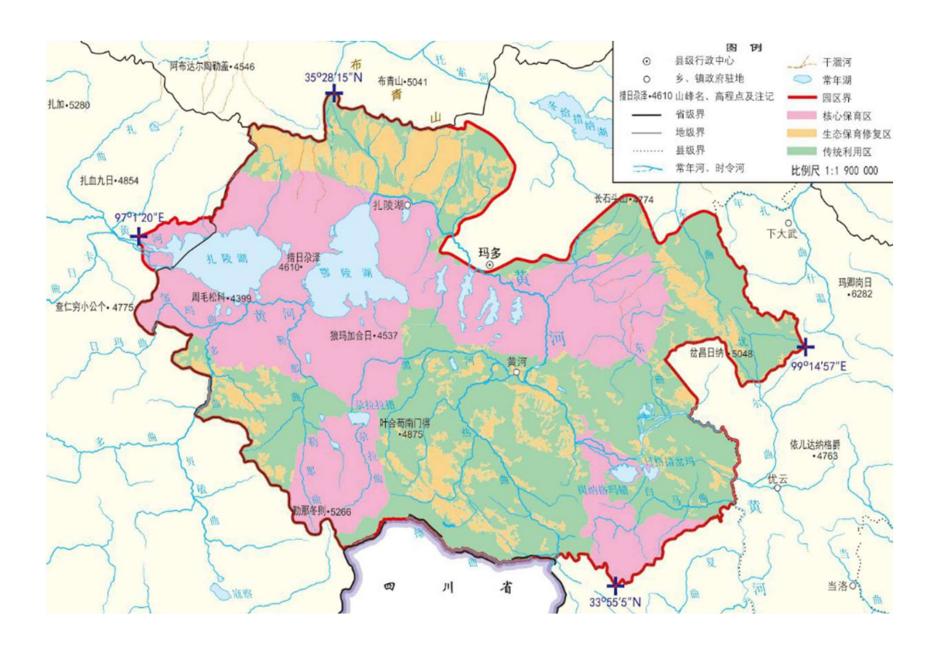


PROBLEM FIELD/ SECURE WATER 2 An exclusive and fixed national park to keep water source clean Three Rivers Origin National reserve Yellow River Origin 118,992 km2 Qinghai Province Yellow River Basin 5,464 km **Tibet Plateau**Average 4,380 meters above sea level

2 An exclusive and fixed national park to keep water source clean



2 An exclusive and fixed national park to keep water source clean



Core protected area

Human activity includes grazing is prohibited Includes eco-migration of the villages Only open to scientific research, investigation, monitoring

Ecological Conservation Area

Human activity includes grazing is prohibited Partially Includes eco-migration of villages

Traditional Use Zone

Human activity includes grazing partially prohibited Can be approached by visitors

PROBLEM STATEMENT

External imposition

Dominance position over nature

SKY RIVER PLAN



ву 2018

500 Stoves

are installed in the slope regions of Tibet, Xinjiang and other areas.

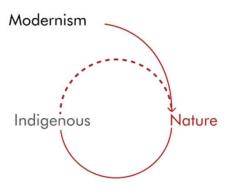
Affect the areas of more than

1600,000 km²

Increase precipitation by

320 Million m3

Alleviate the shortage of water resources in the Yellow River and some inland rivers.



Internal separation

Denial of the interdependency between indigenous and nature

THREE-RIVER SOURCE NATIONAL NATURE RESERVE



Launched in 2020

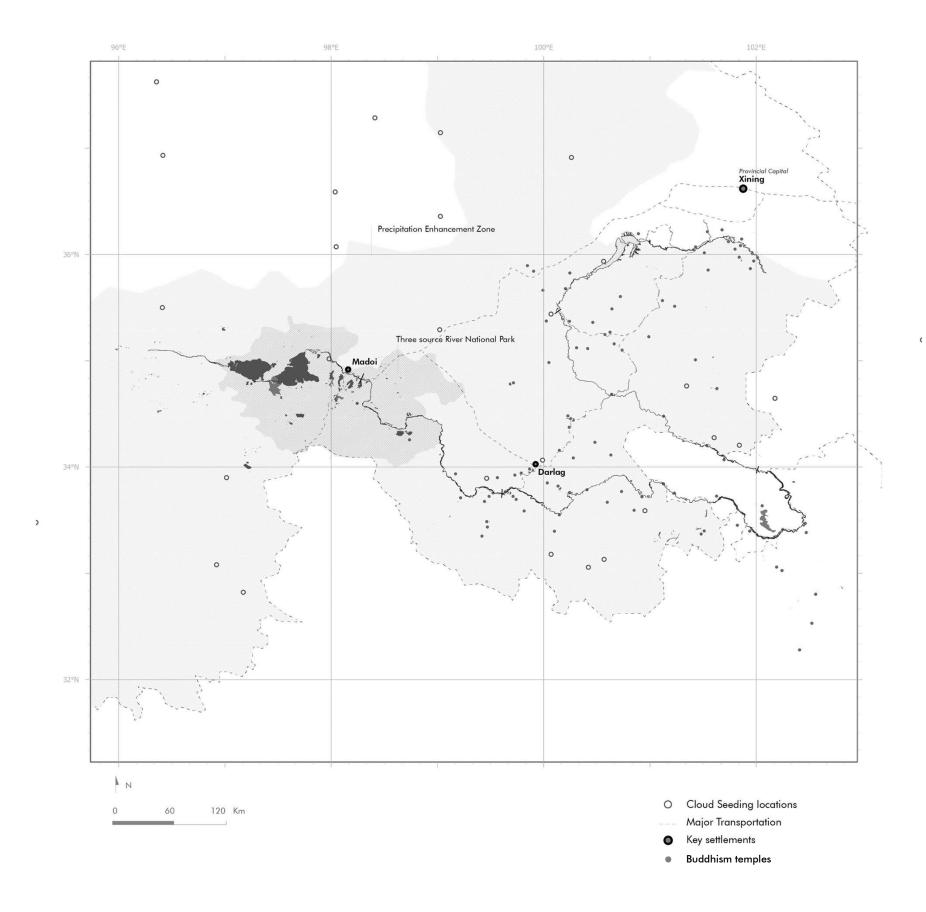
Covers an area of

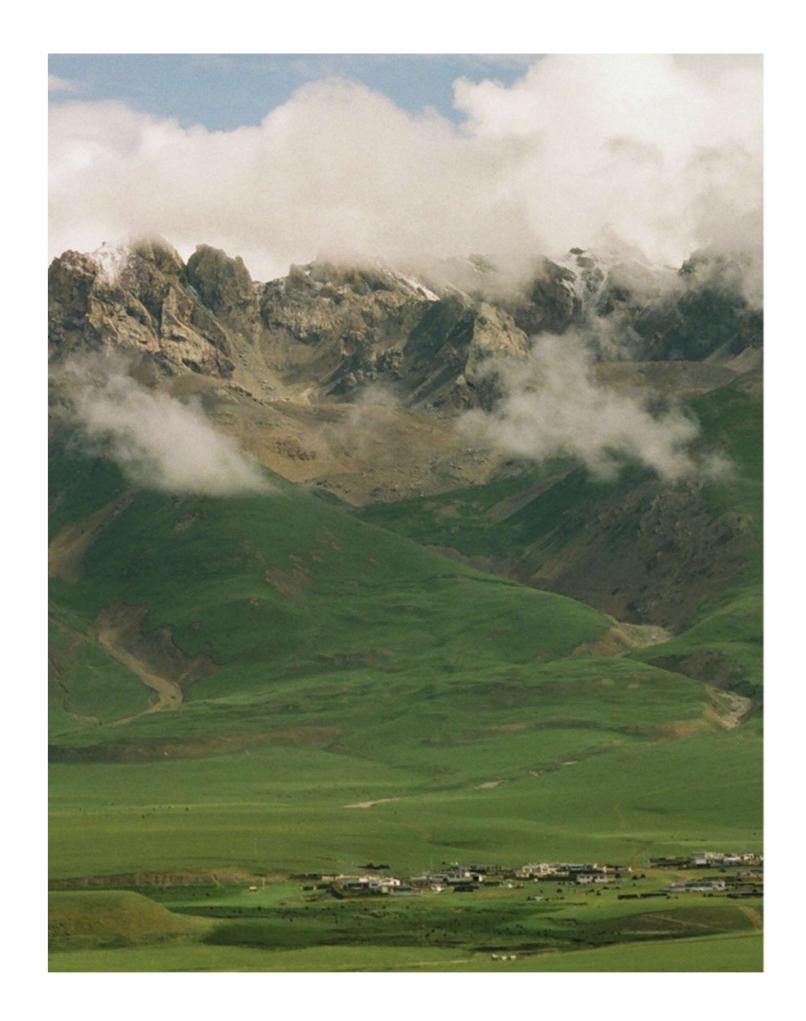
120,000 km²

In the core protected area, human activity includes grazing is prohibited, includes eco-migration of the villages. Only open to scientific research, investigation, monitoring.

Alleviate the shortage of water resources in the Yellow River and some inland rivers.

PROBLEM FIELD/ MAPPING



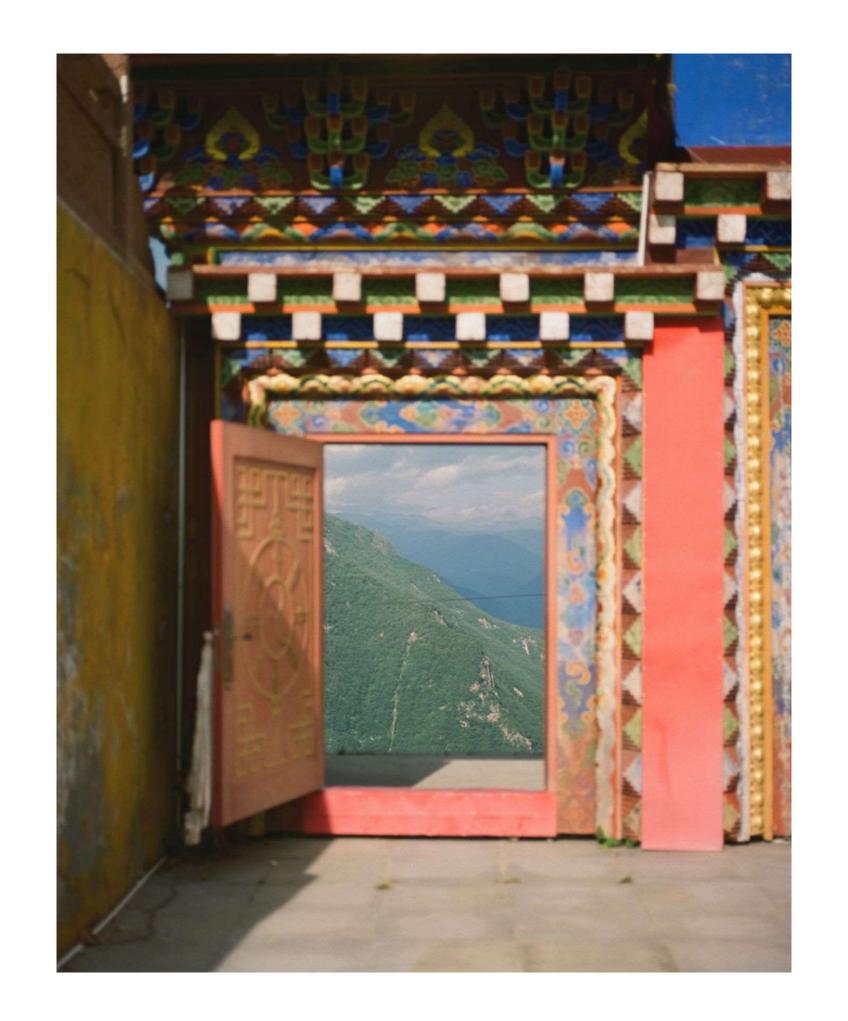




(N.d.). RSS. Retrieved May 20, 2023, from https://www.thisispaper.com/mag/dyal-thak-kin-coedel.





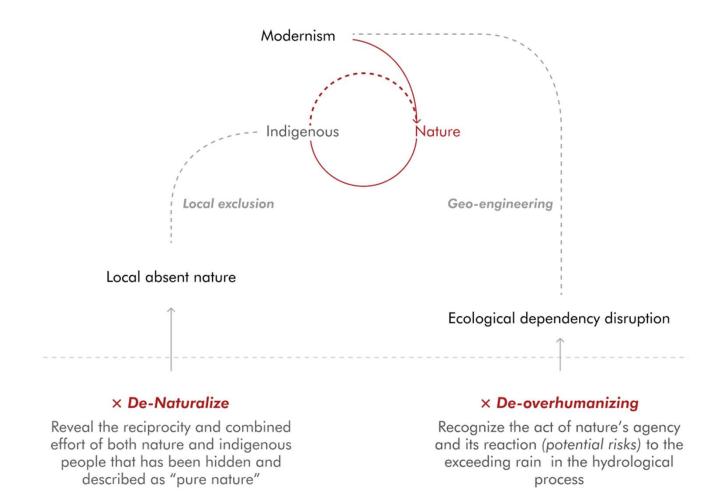




PROBLEM FIELD/



PROPOSITION

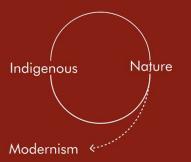


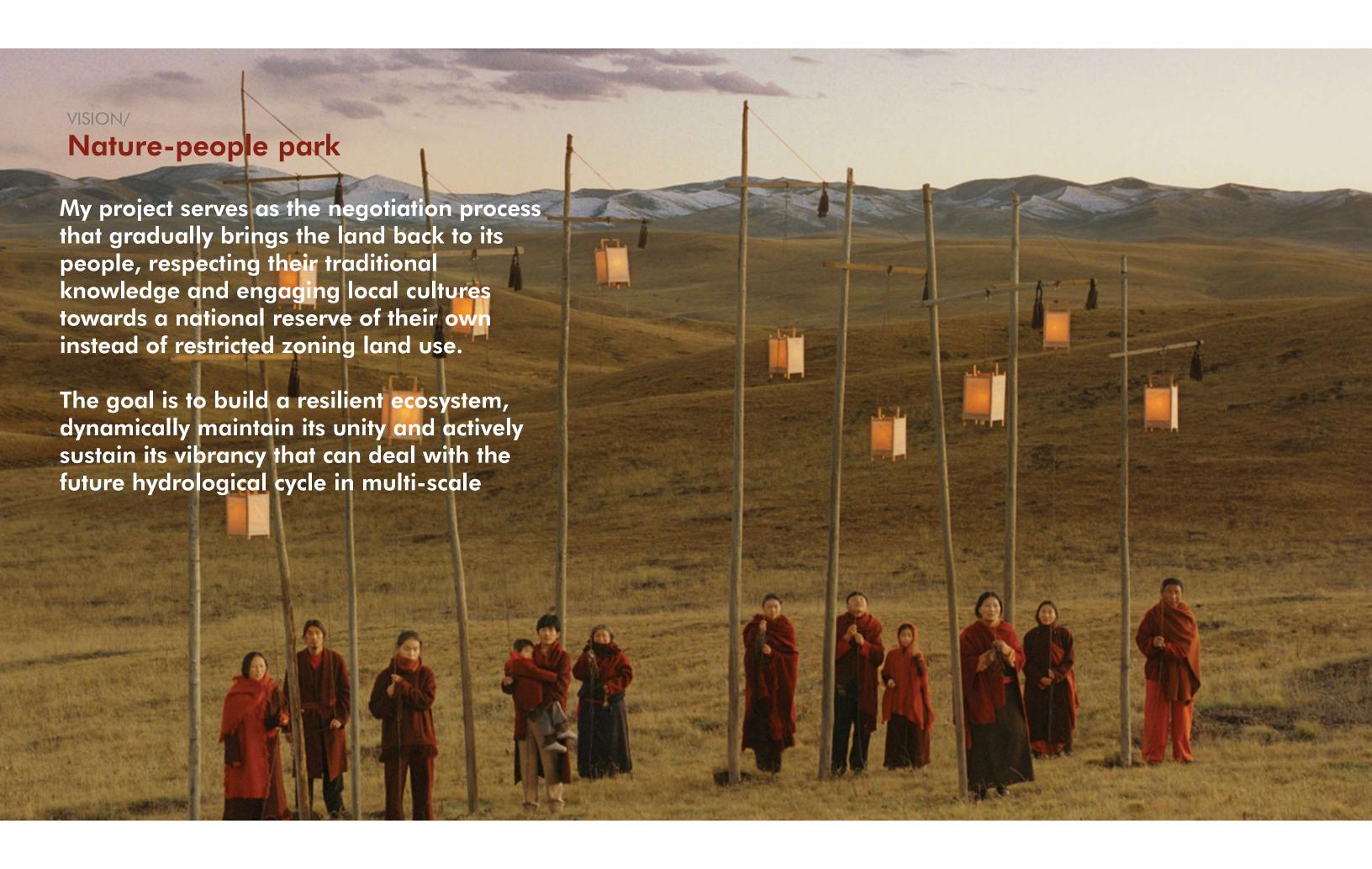
process

Lao Tzu

Great virtue is like water.

It nourishes and benefits all things, yet it doesn't contend with any. It even flows where men turn their noses and the light does not reach.





RESEARCH/

PROPOSITION

External imposition

Dominance position over nature

SKY RIVER PLAN



Disagree, but the project will proceed in one form or another

Not to eliminate the project, but use local power to fight against future risks even if they are still there

to foresee the risks

Internal separation

Denial of the interdependency between indigenous and nature

THREE-RIVER SOURCE NATIONAL NATURE RESERVE



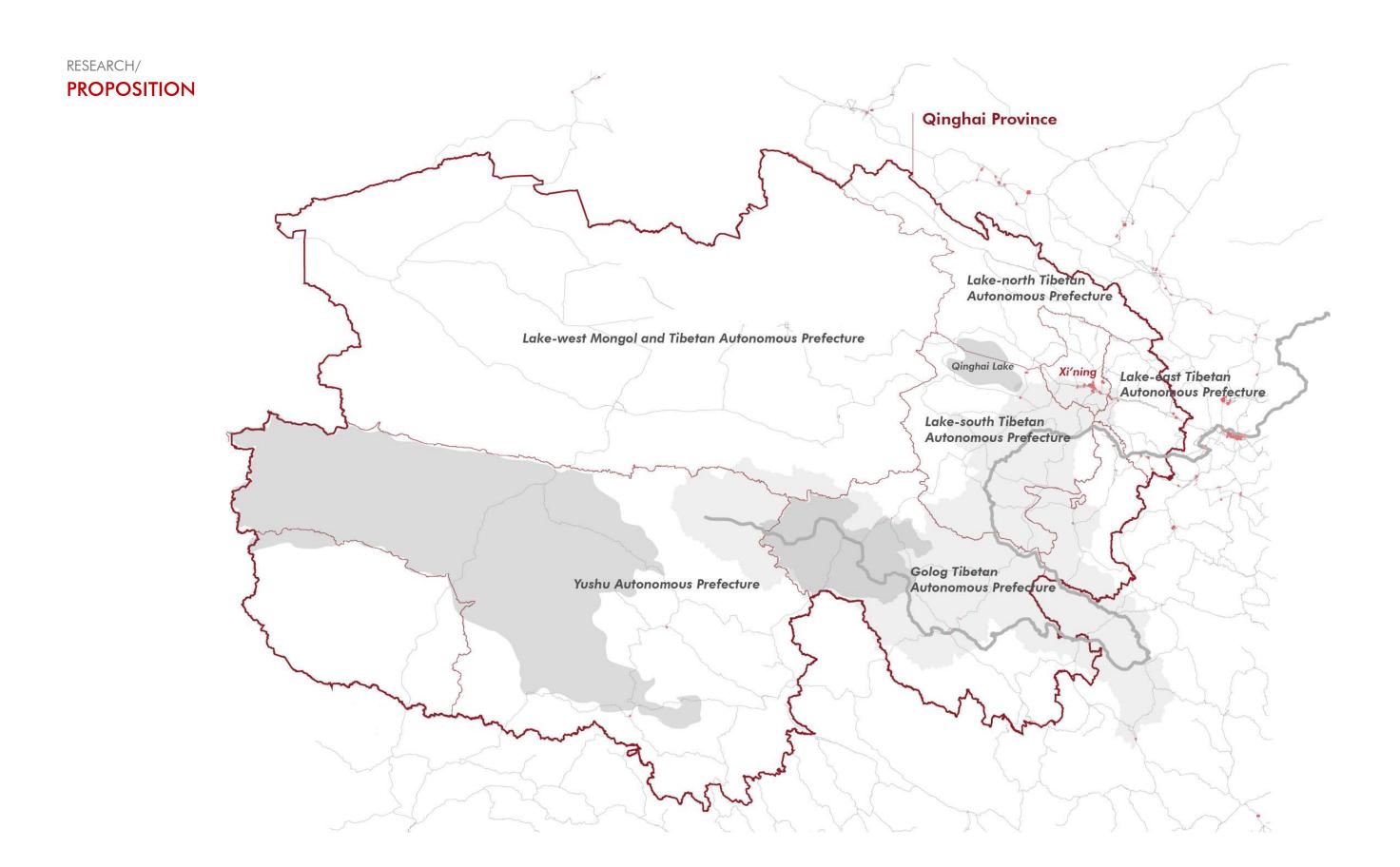
Partially agree
The area has high value to be preserved

Opportunity towards

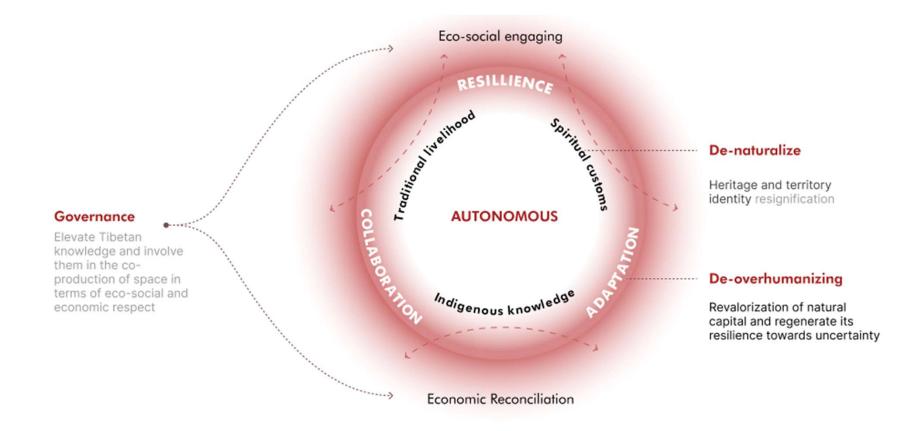
<u>a new national park paradigm</u>

<u>Expand</u> the extent of national reserve

A new paradigm



CONCEPTUAL FRAMEWROK



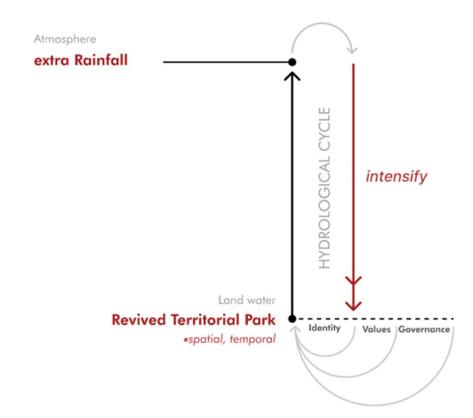
Emphasized on building local minority`s autonomy with the rethink of what nature means to us and moving away from an anthropocentric view that positions humans as separate from and dominant over nature, towards a more interconnected understanding.



Disagree, but the project will proceed, thus needs to **foresee the risks**

Disagree, but an opportunity towards a new national park paradigm

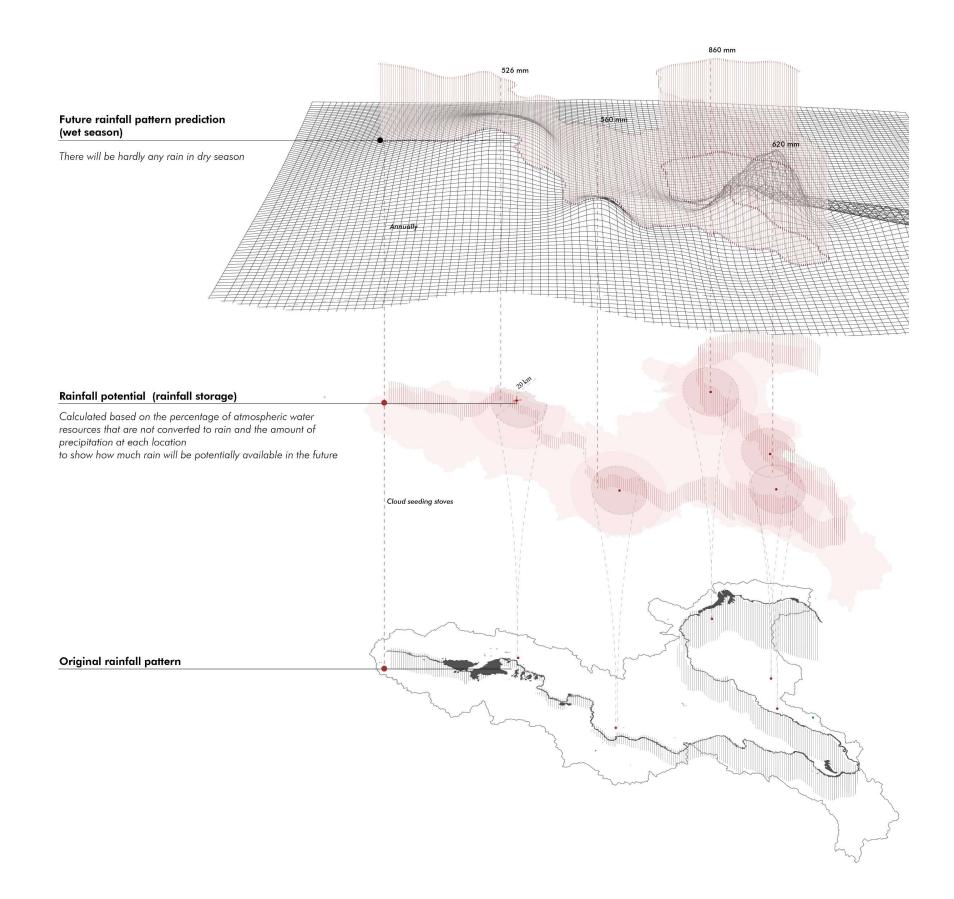
Future hydrological patterns



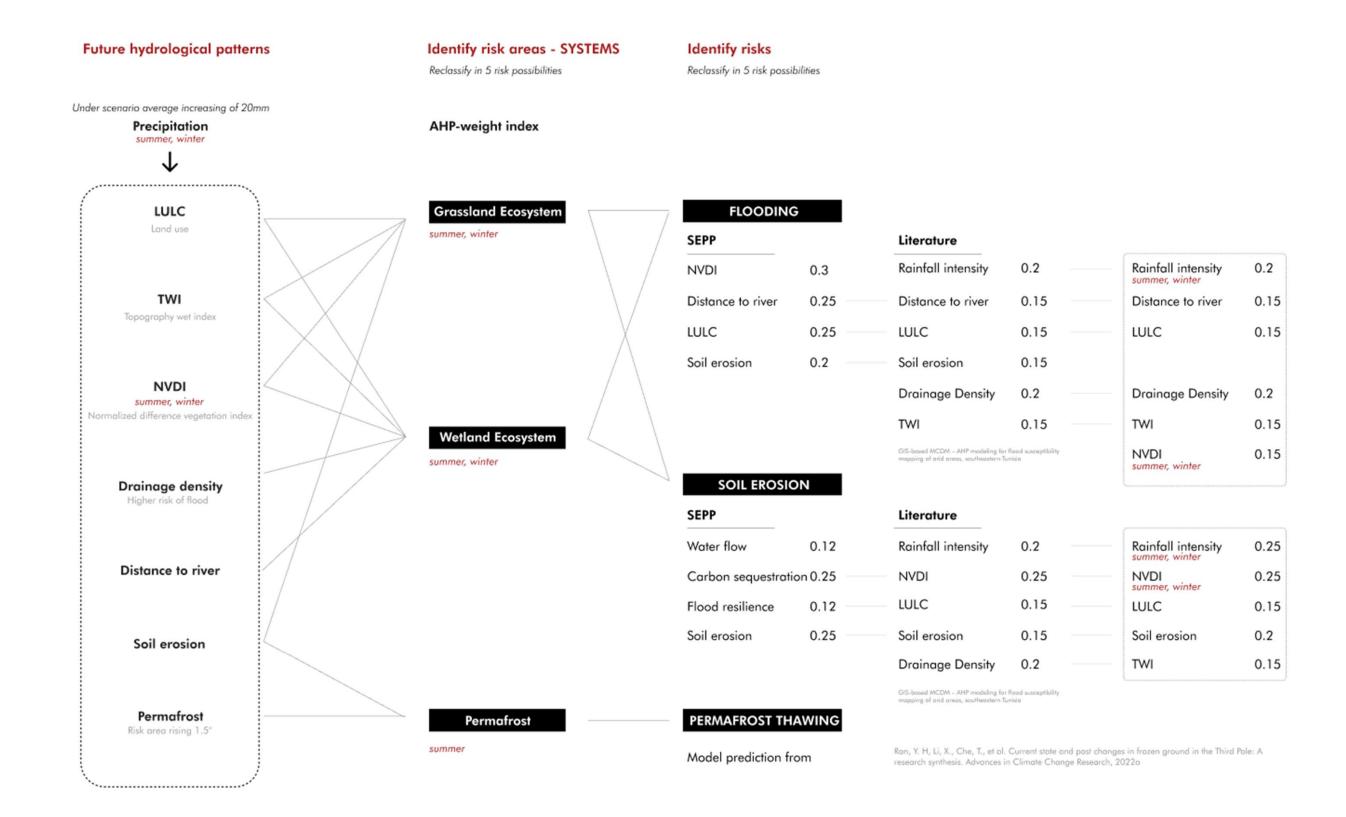
SYSTEMATIC ANALYSIS/ RAINFALL PATTERN

Future hydrological patterns

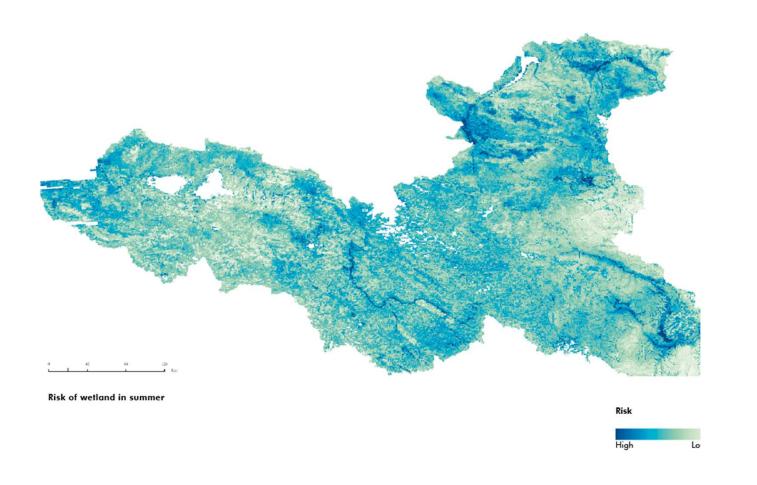
SEASONAL SPATIAL UNEVEN

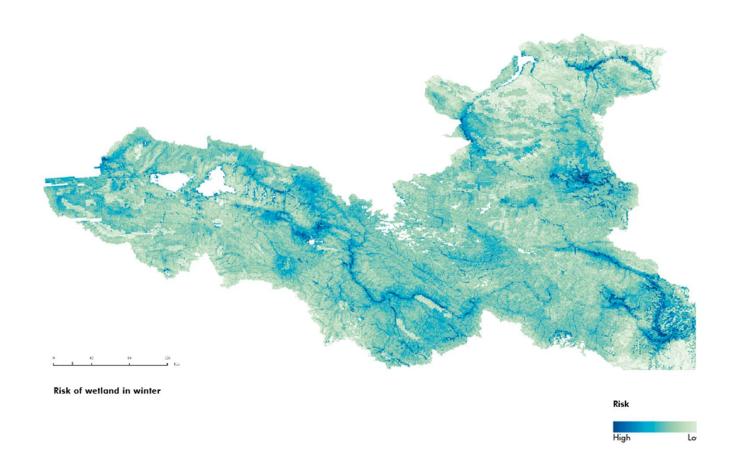


RAINFALL PATTERN

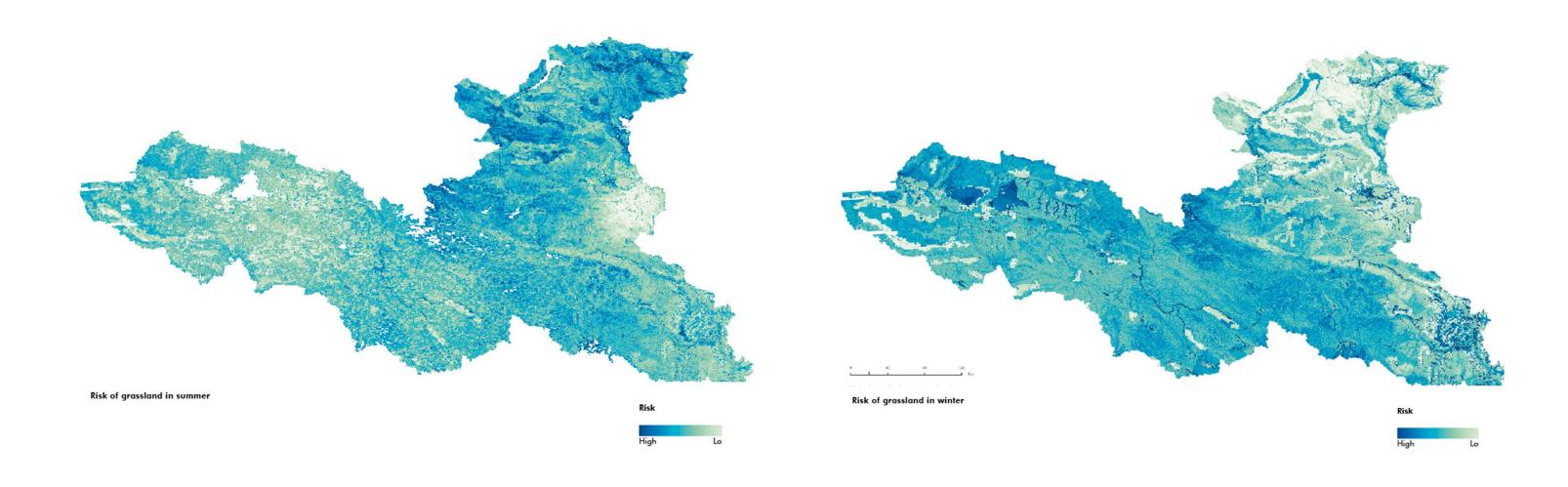


WETLAND RISKS

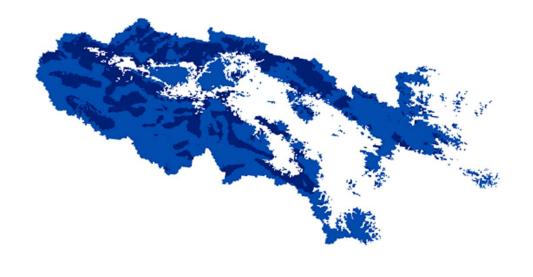




GRASSLAND RISKS



PERMAFROST RISKS



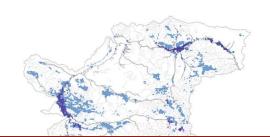
Risk of permafrost in summer











These eco-dynamics are important for me to develop future hydrological strategies and restructuring management and preservation strategies towards a new national park paradigm.



High risk zones in summer

High risk zones in winter

PROJECT FRAMING

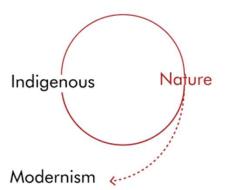
Disagree, but an opportunity towards a new national park paradigm

De-naturalize

De-overhumanizing

De-overhumanizing

Design for who to care?



How to care for the land?



Prayer flags are seen at Dokha Compa, the sole Tibetan monastery in the Yellow River nature reserve, in Madoi country Tibetan Autonomous Prefecture, Qinghai province, China August 31, 2019. REUTERS/Ryan Woo

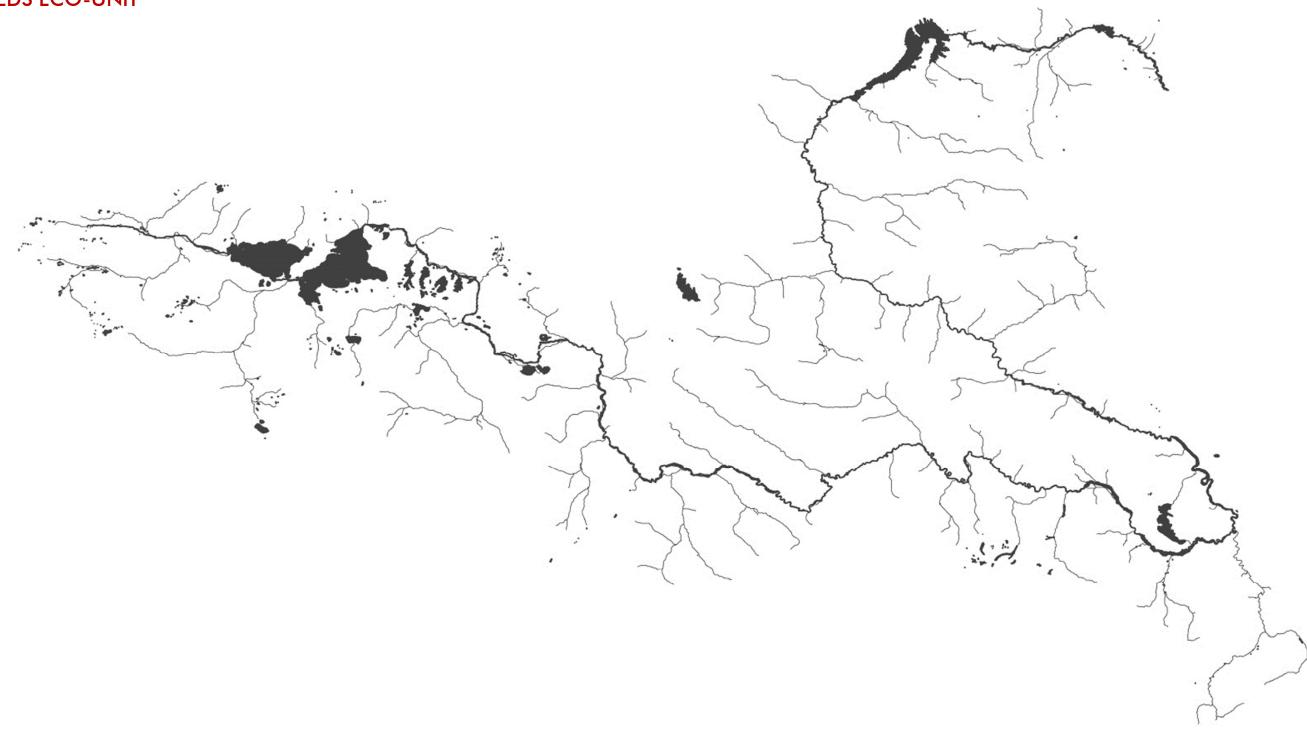
RESPECTING WATERSHEDS ECOLOGY/

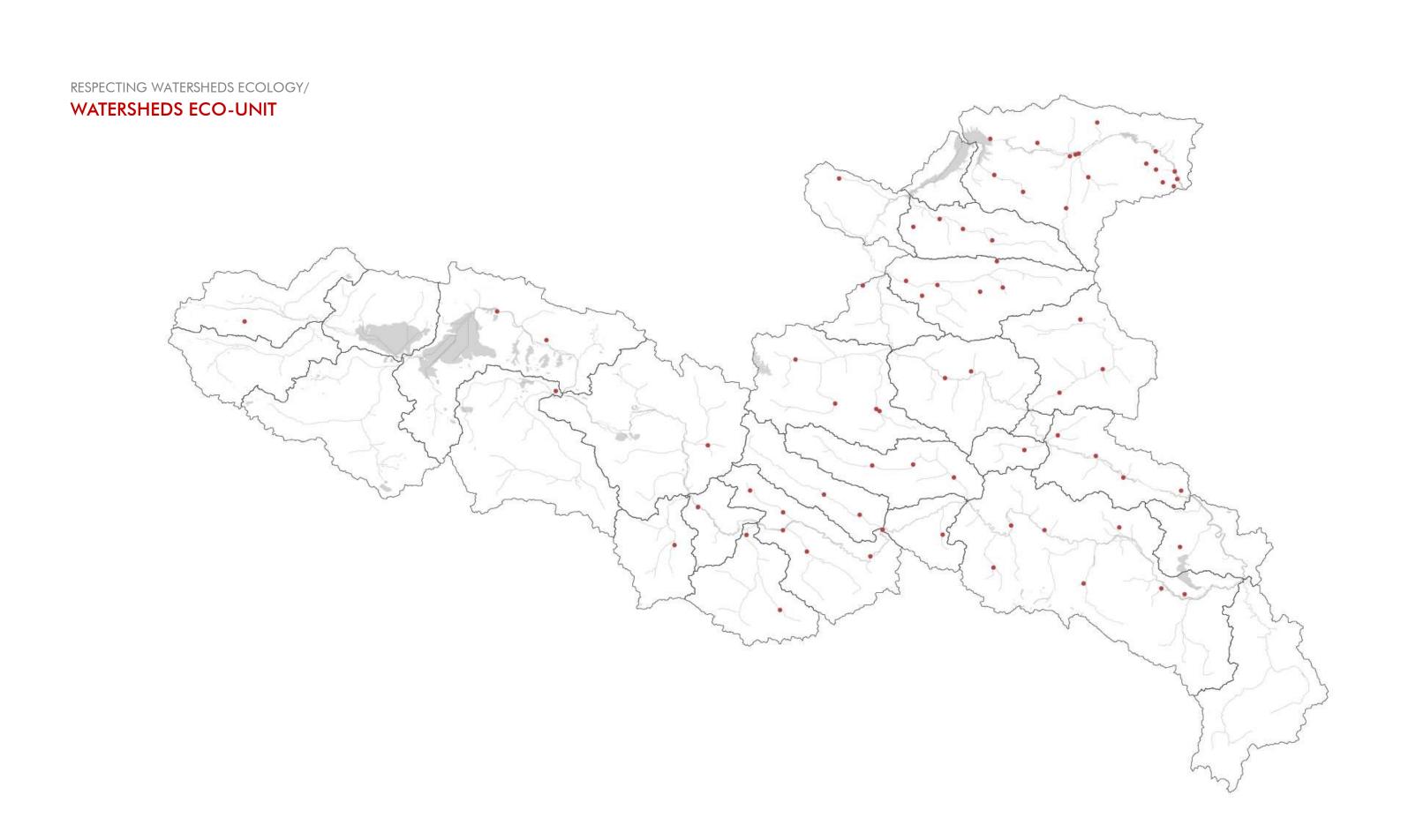
WATERSHEDS ECO-UNIT



Local herdsman and yaks: follow water and grass

WATERSHEDS ECO-UNIT







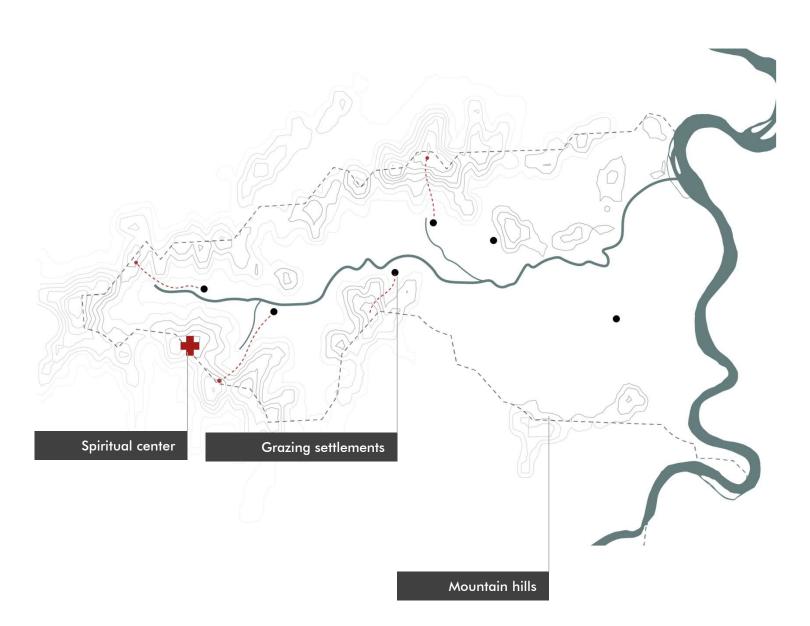
Nourish the land respecting watersheds ecology

regain ownership/

INDEGENOUS ECO-UNIT

1. Establish watershed-based unit

Align with natural ecological boundaries

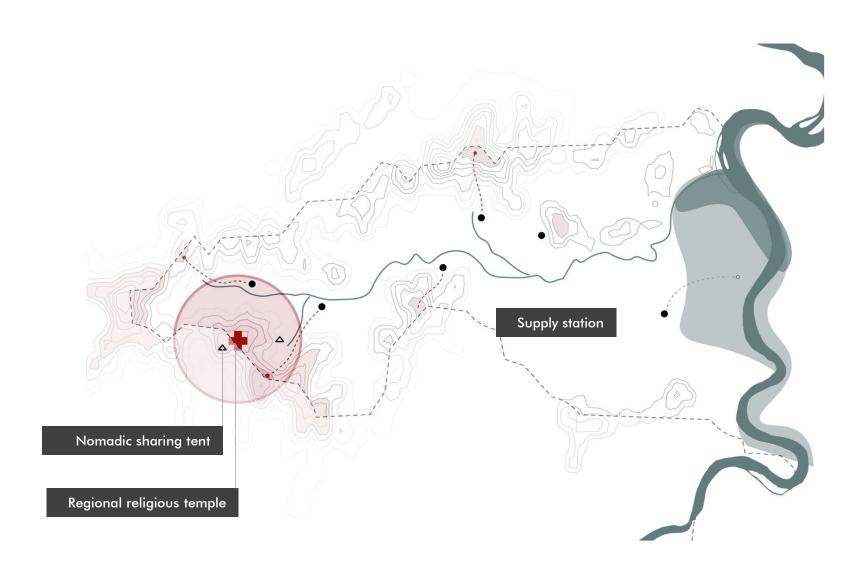


REGAIN OWNERSHIP/

INDEGENOUS ECO-UNIT

2. Embed indigenous oriented programs

Programs × watersheds



INDEGENOUS ECO-UNIT

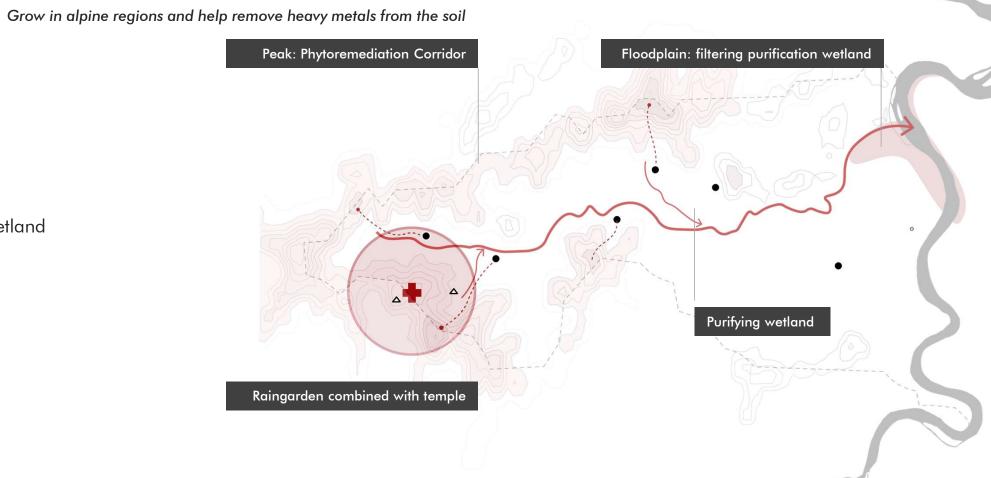
3. Rainwater storage & purification system

Purification of Rainfall in watershed:

Peak: Phytoremediation->

Valley ->

Floodplain: artificial flood plain work as filtering purification wetland



REGAIN OWNERSHIP/
INDEGENOUS ECO-UNIT

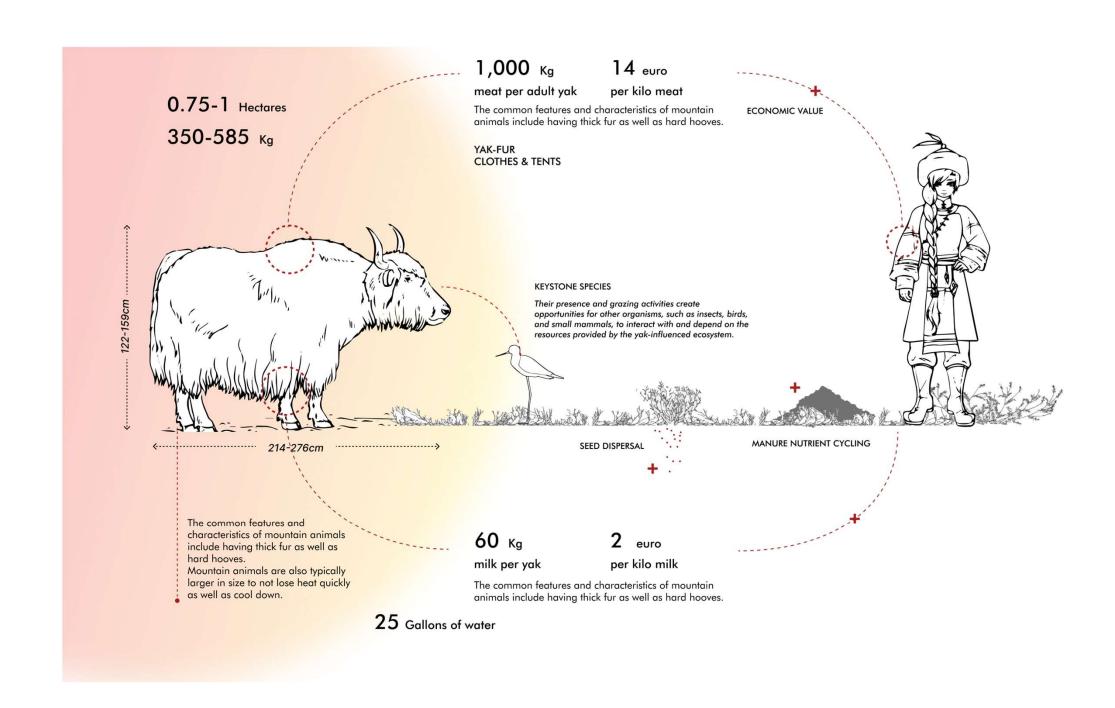
Watershed-based planning takes into account the interconnectedness of ecosystems and recognizes the importance of maintaining these natural systems

Design for who to care?

Grazing as landscape tool
Valuing indigenous actions

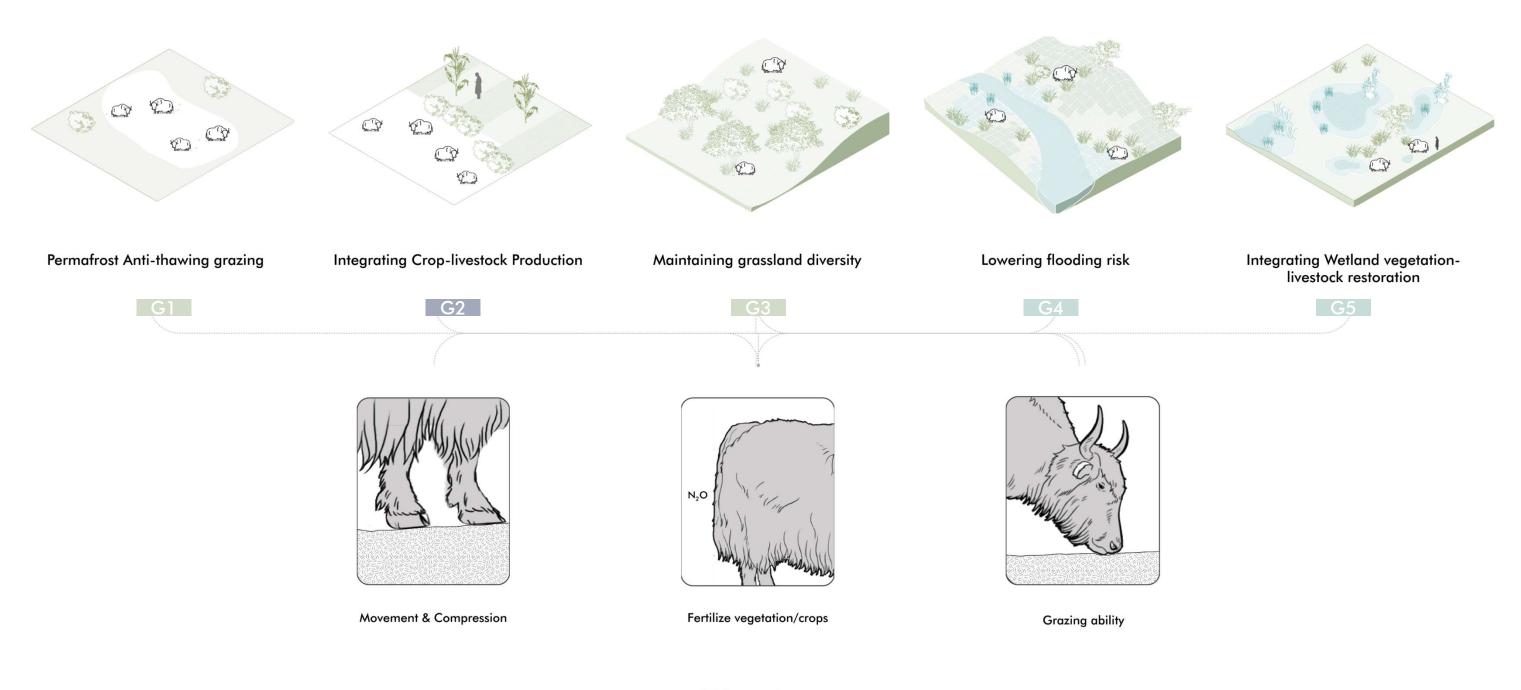


GRAZING AS TERRAFORMING ACTIONS



CARE FOR LAND/

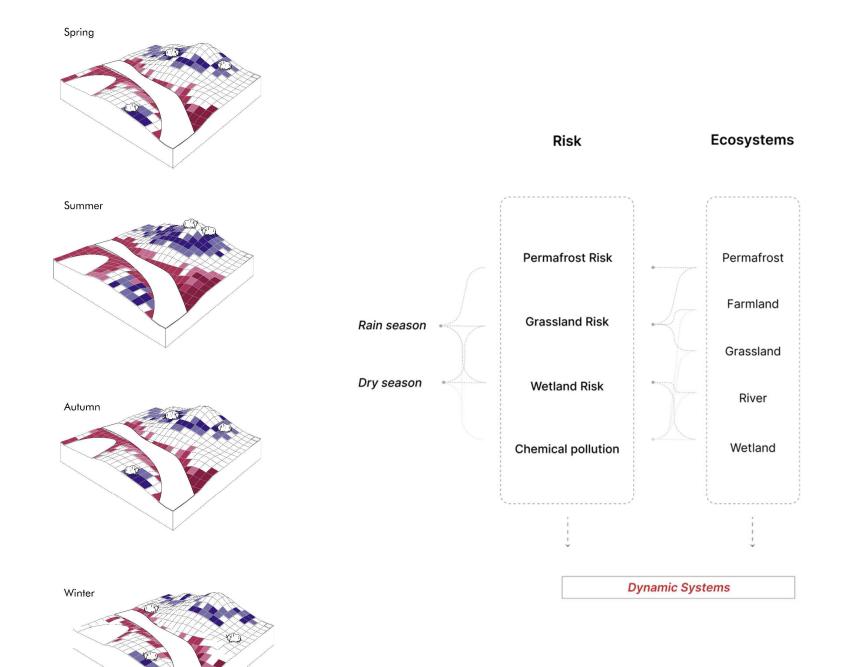
GRAZING AS TERRAFORMING ACTIONS

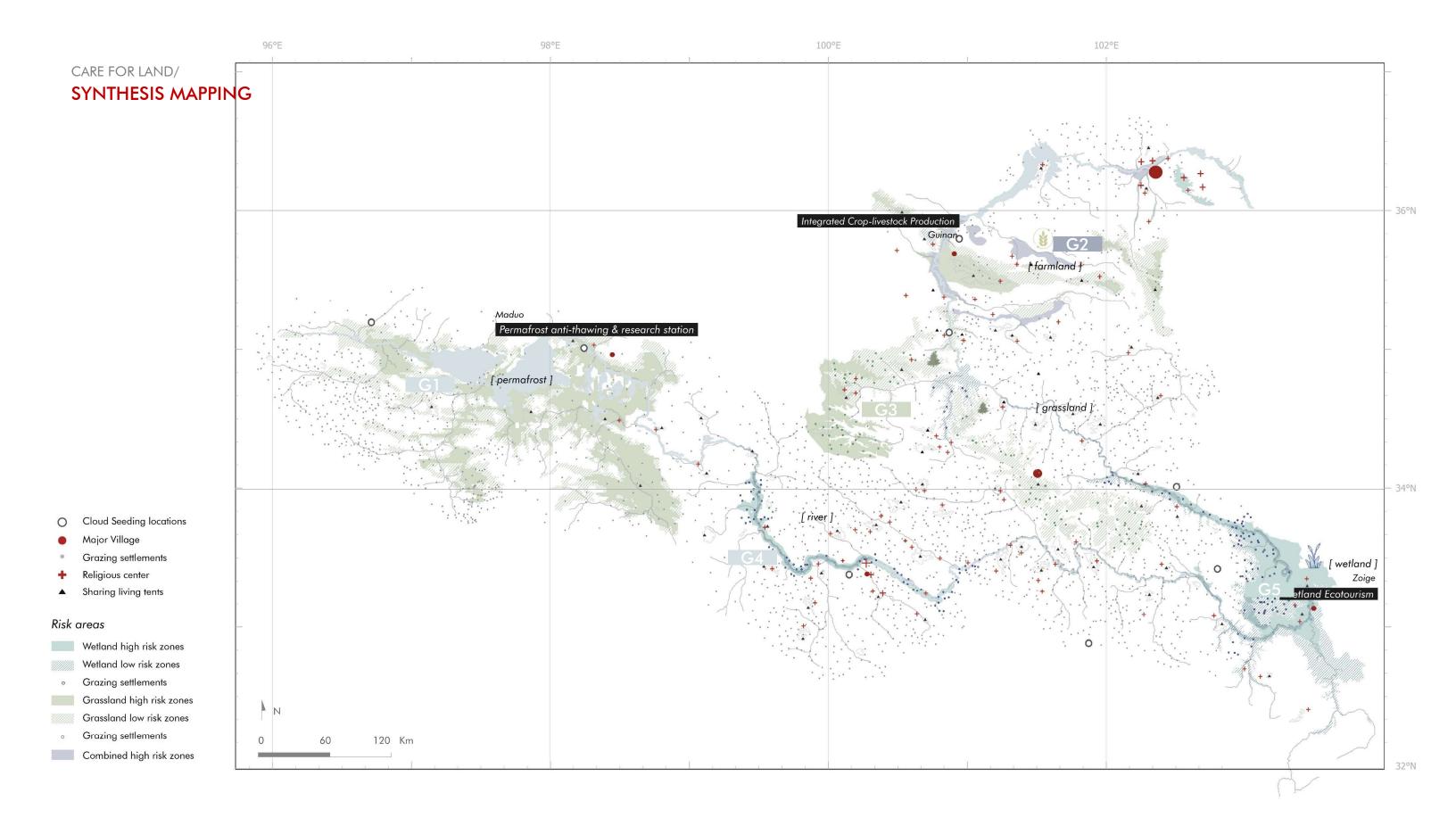


Yak ecology

CARE FOR LAND/

HOW TO APPLY







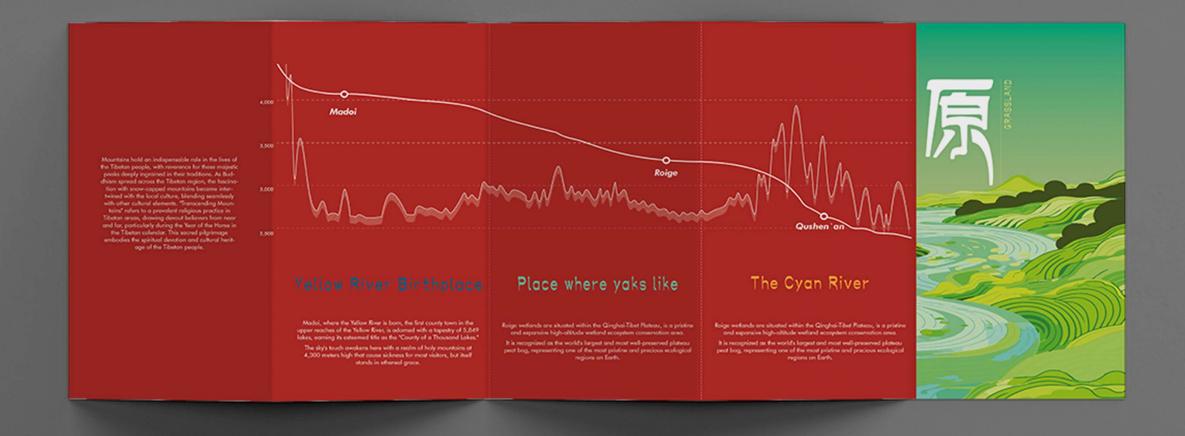
NEW SANJIANGYUAN NATIONAL PARK



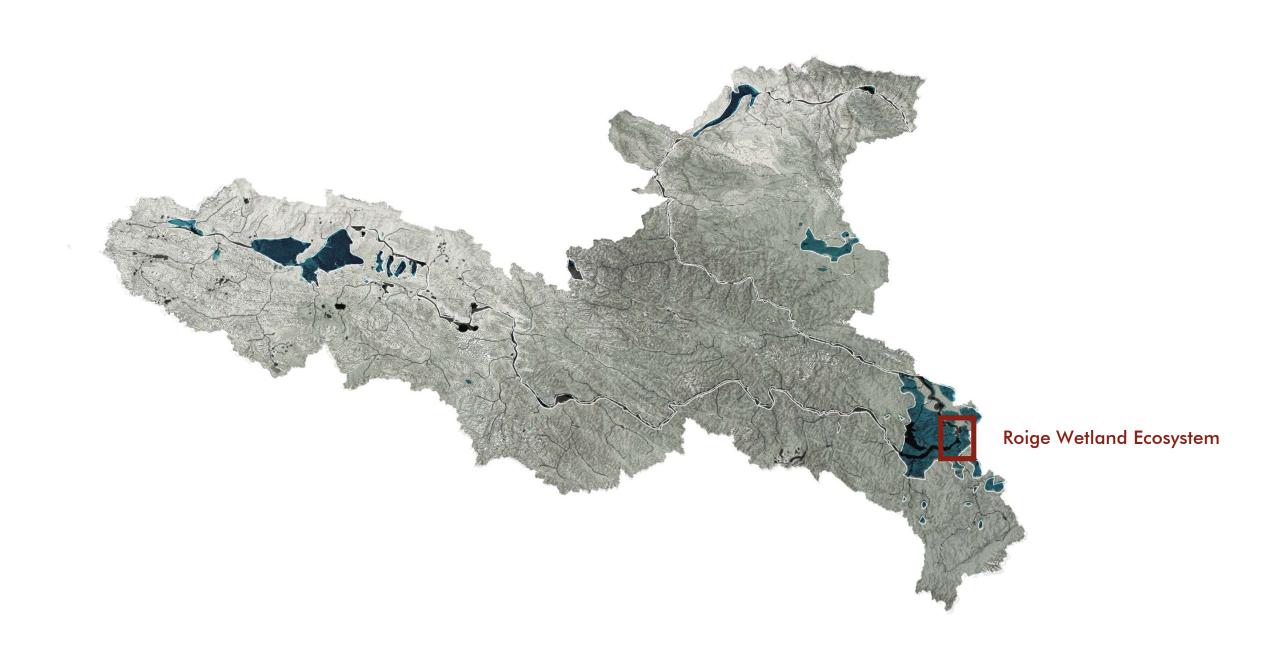








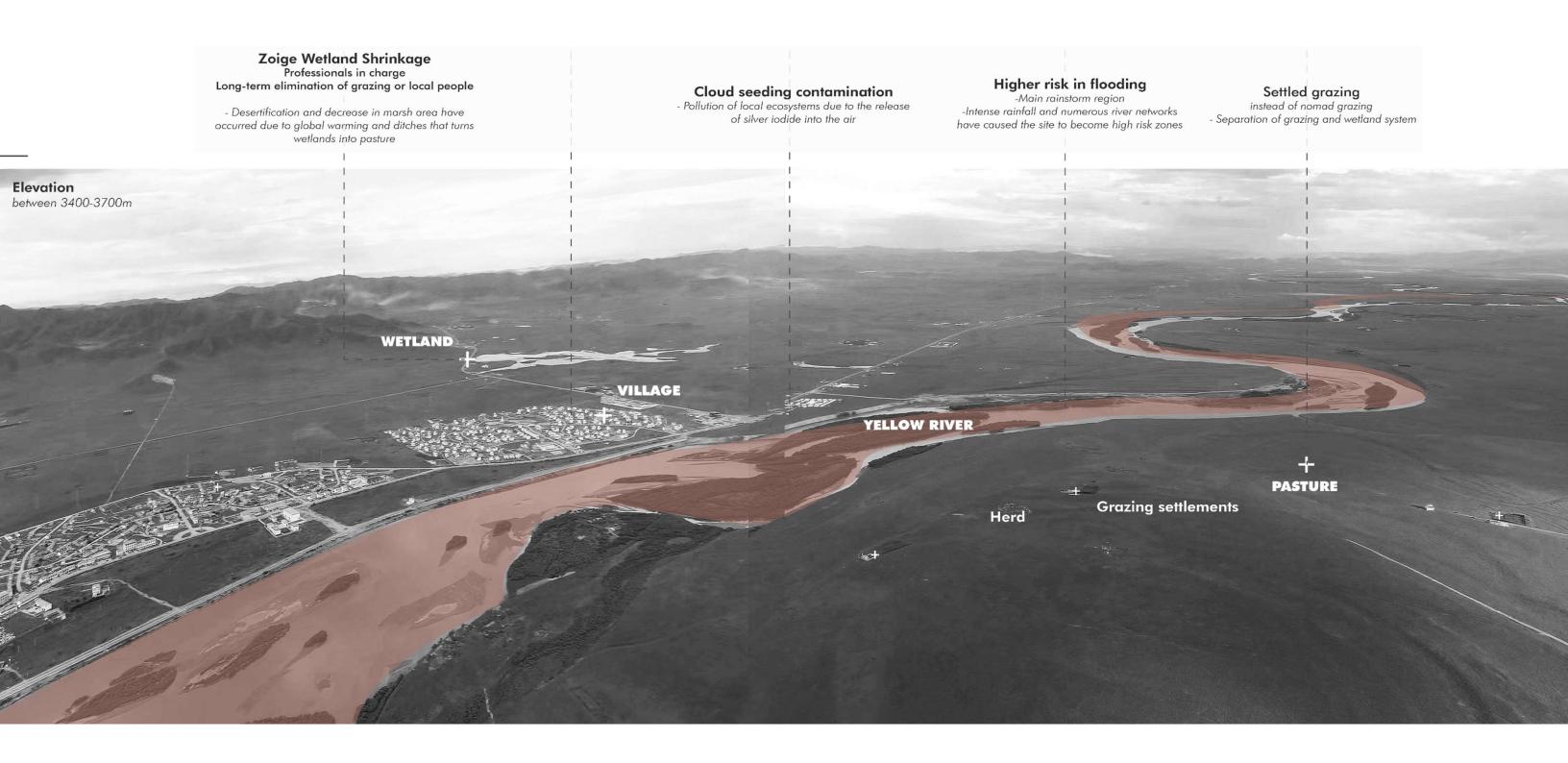








CURRENT SITUATION







SITE I/ ZOIGE WETLAND ECOSYSTEM

BIRD VIEW



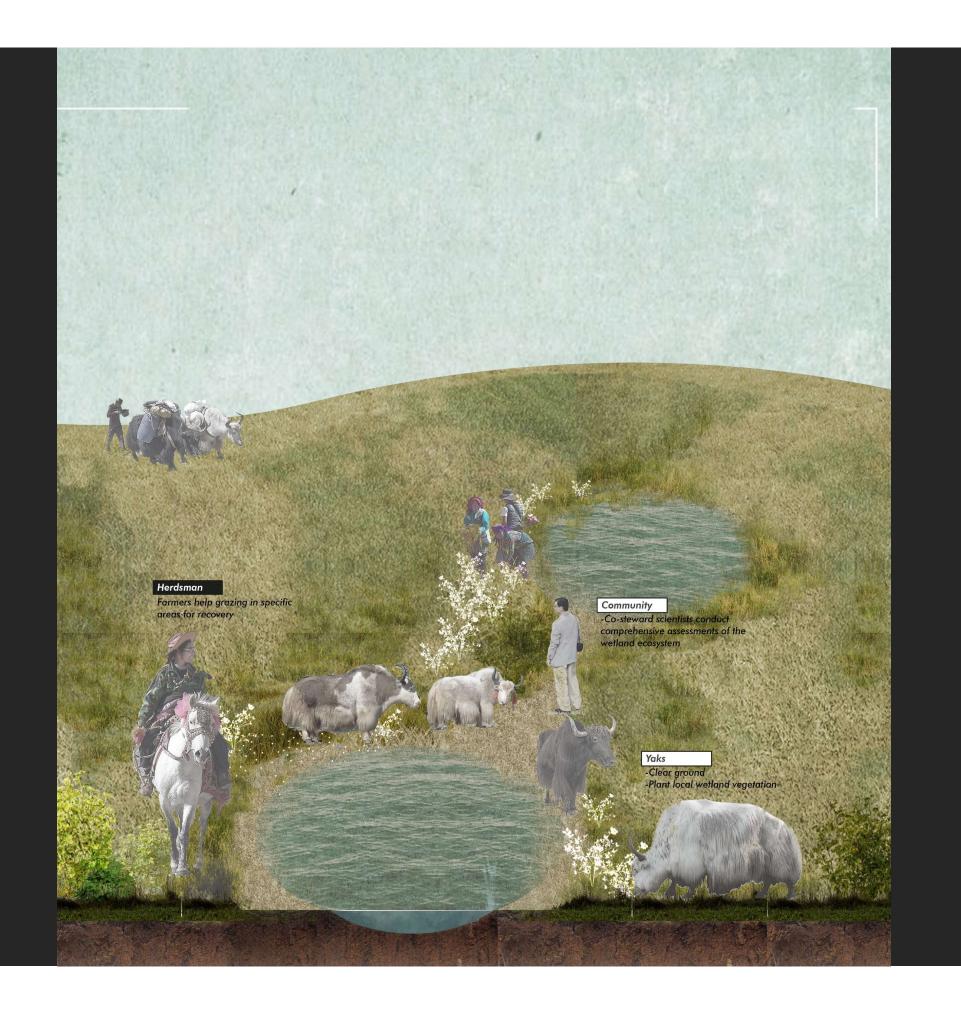
SITE I/ ZOIGE WETLAND ECOSYSTEM

BIRD VIEW



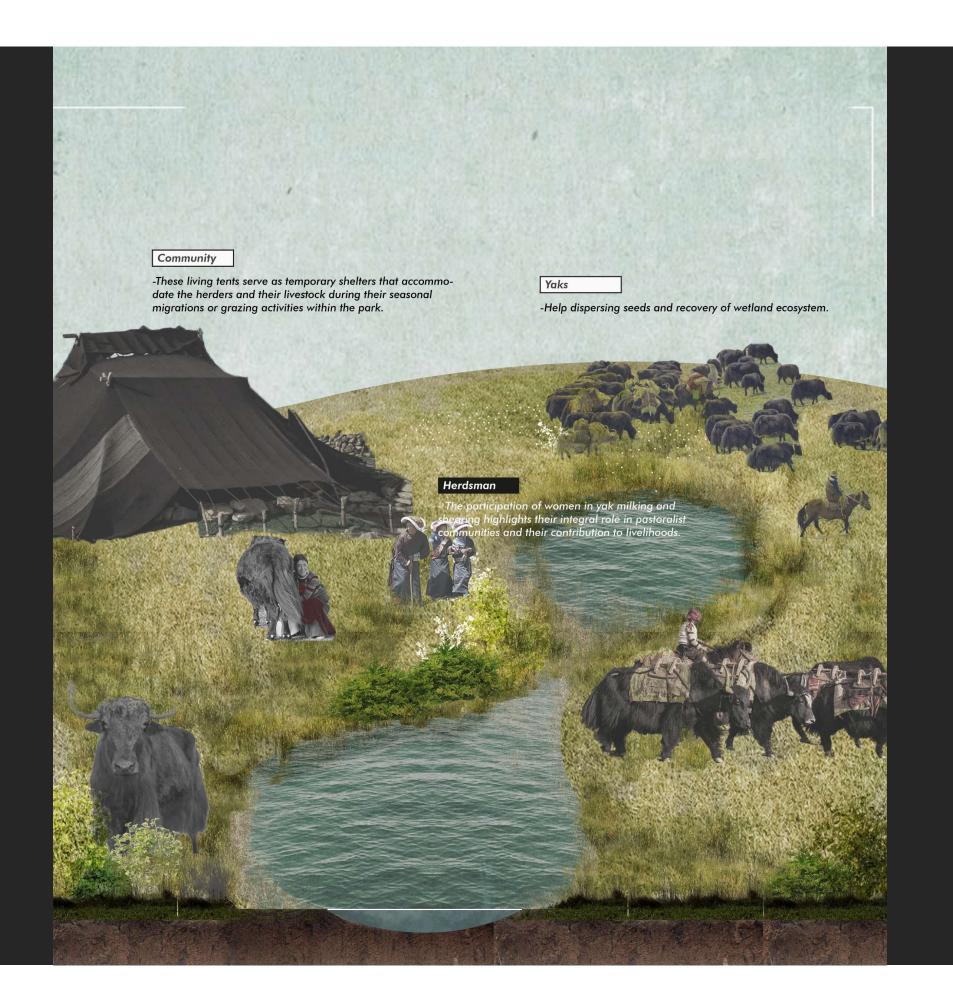
SITE I/ ZOIGE WETLAND ECOSYSTEM

CURRENT-2020



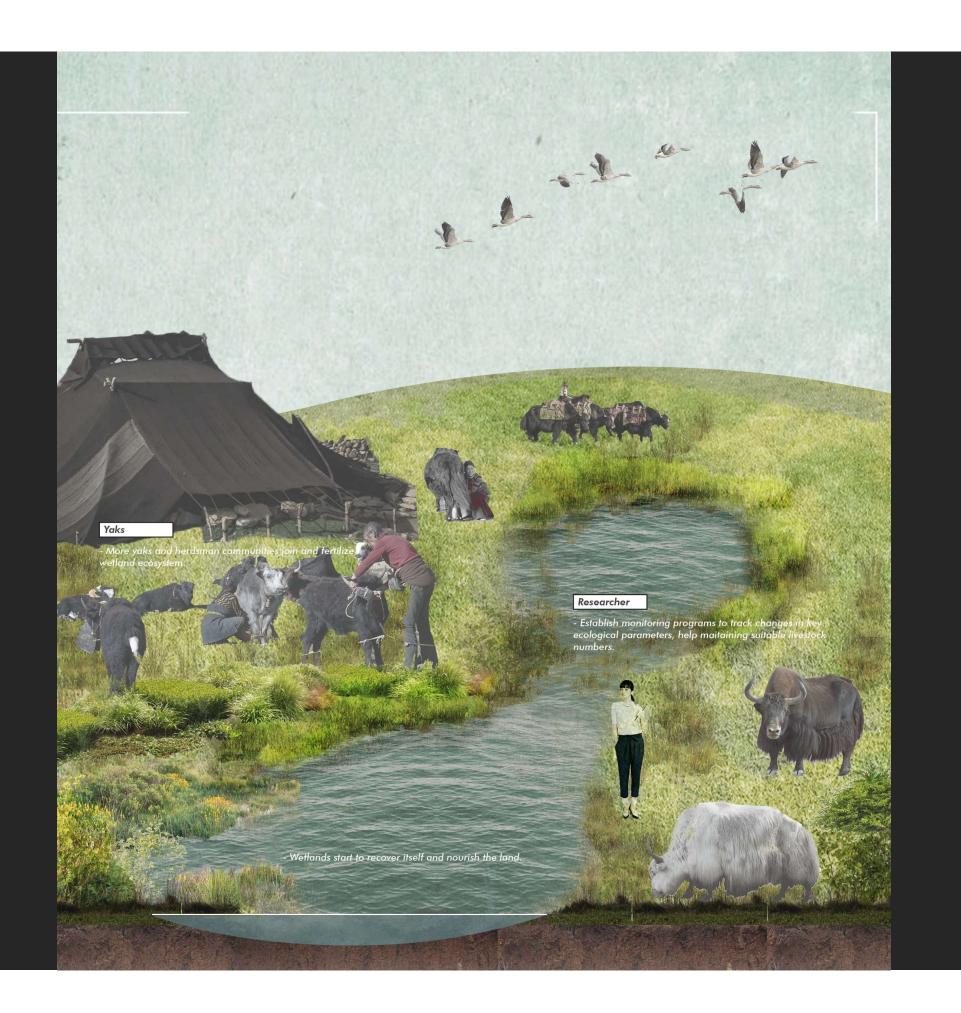
SITE I/ ZOIGE WETLAND ECOSYSTEM

RECOVERY 2025-2030



SITE I/ ZOIGE WETLAND ECOSYSTEM

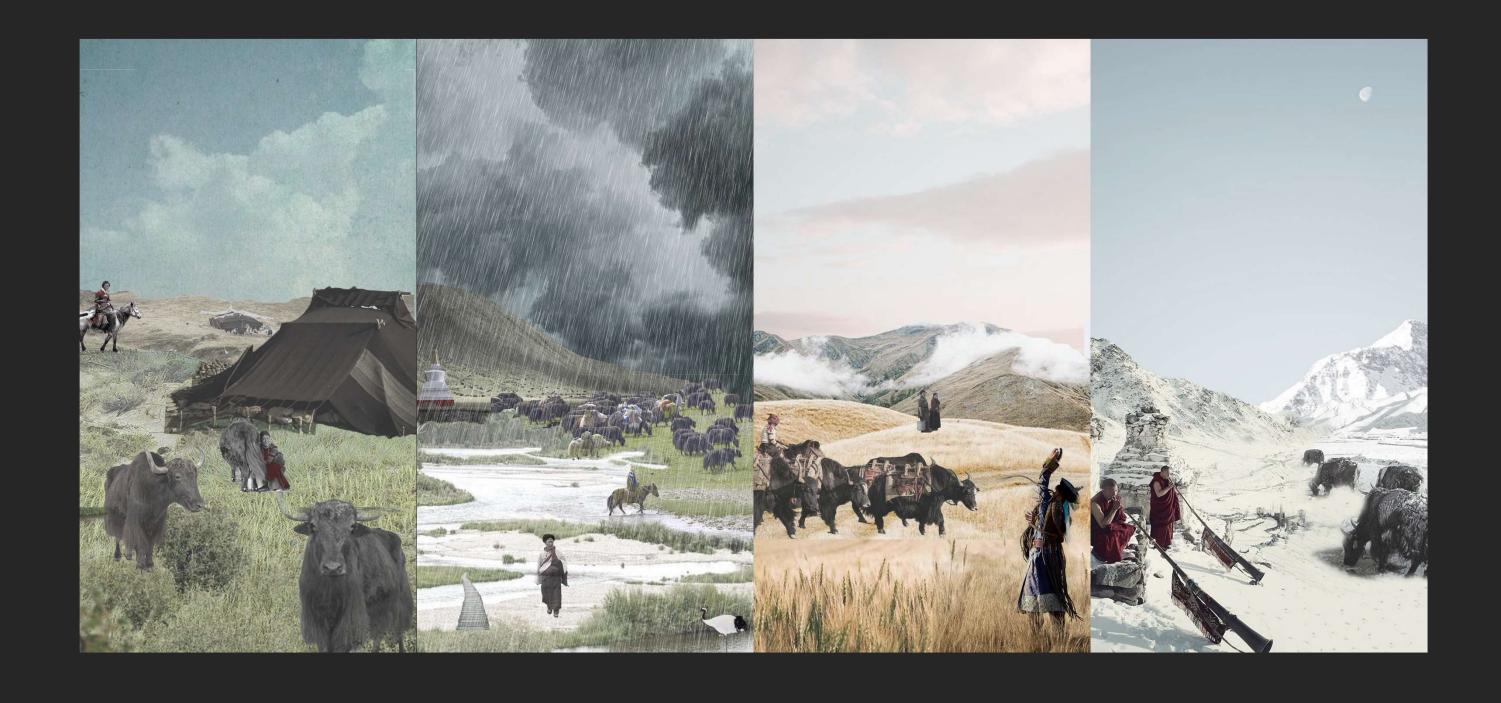
PECOVERY 2030-2035



SITE I/ ZOIGE WETLAND ECOSYSTEM

RECIPROCITY 2035-2040

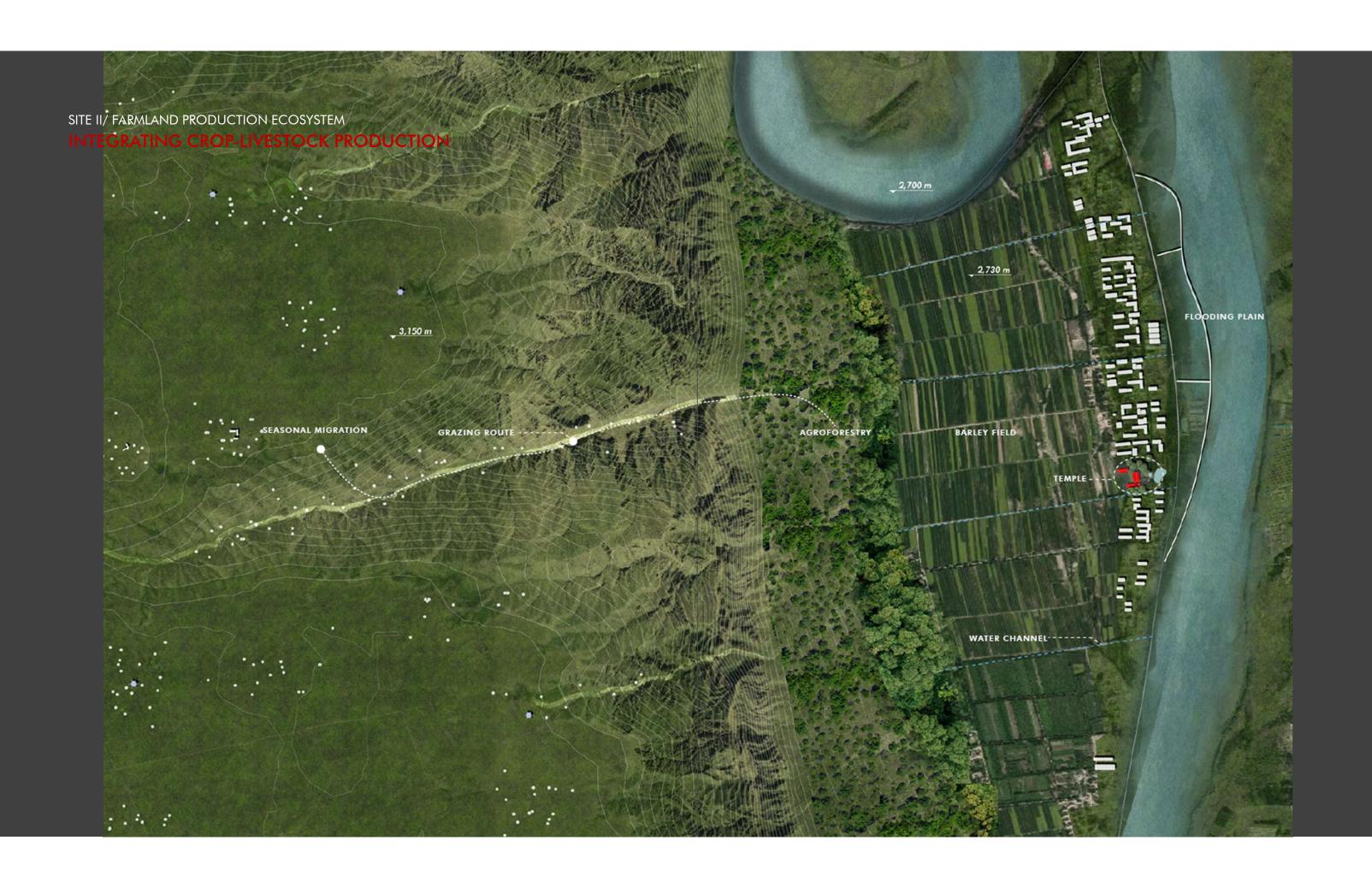






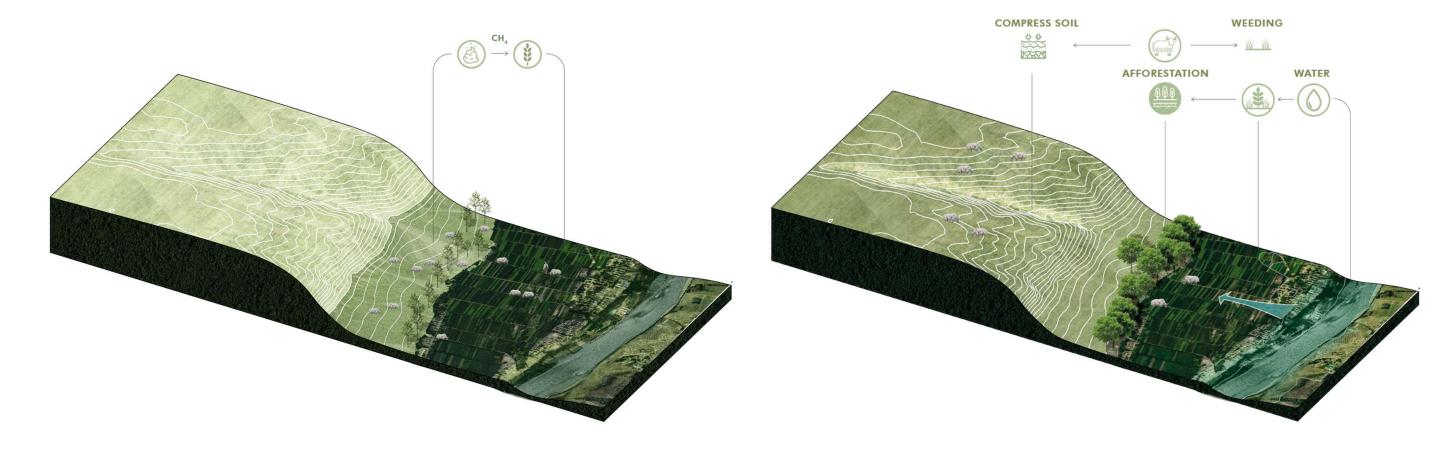






SITE II/ FARMLAND PRODUCTION ECOSYSTEM

SEASONAL CROP-LIVESTOCK PRODUCTION



SPRING

The animal manure will be used to fertilize the plantation of barley as well as afforestation.

SUMMER

Livestock graze on the barley fields. Grazing helps to control the growth of the barley plants, preventing them from becoming too tall and weeding.

SITE II/ FARMLAND PRODUCTION ECOSYSTEM

SEASONAL CROP-LIVESTOCK PRODUCTION



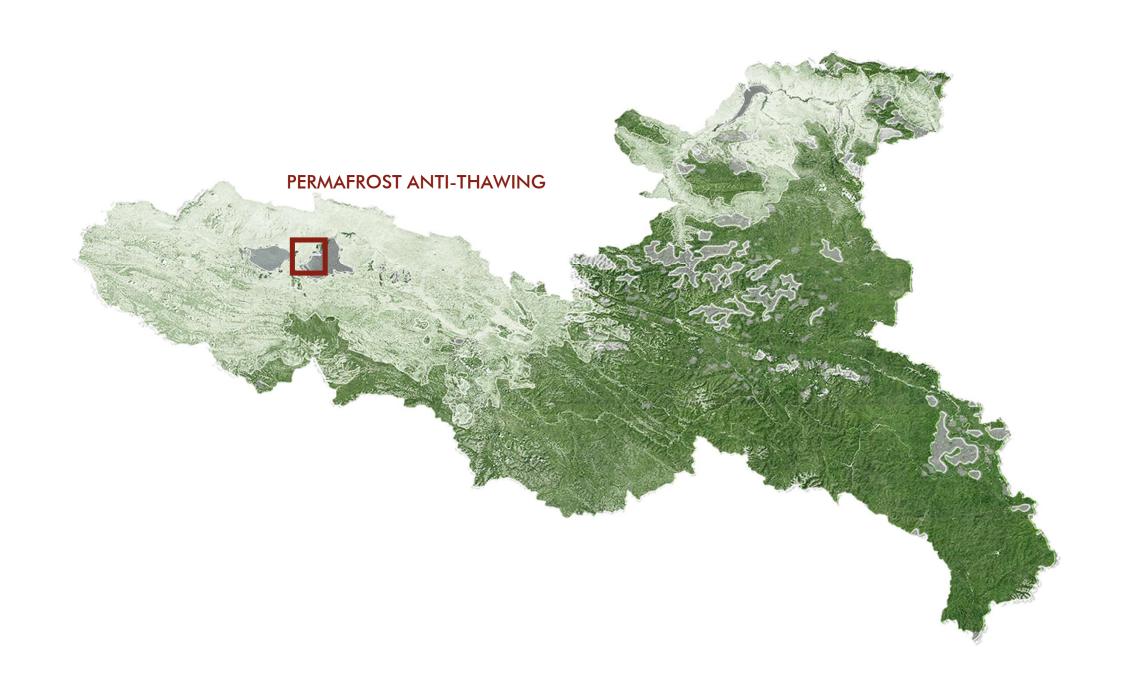
AUTUMN

Barley crop is ready for harvest. Local community can also gain economic profits from barley.

WINTER

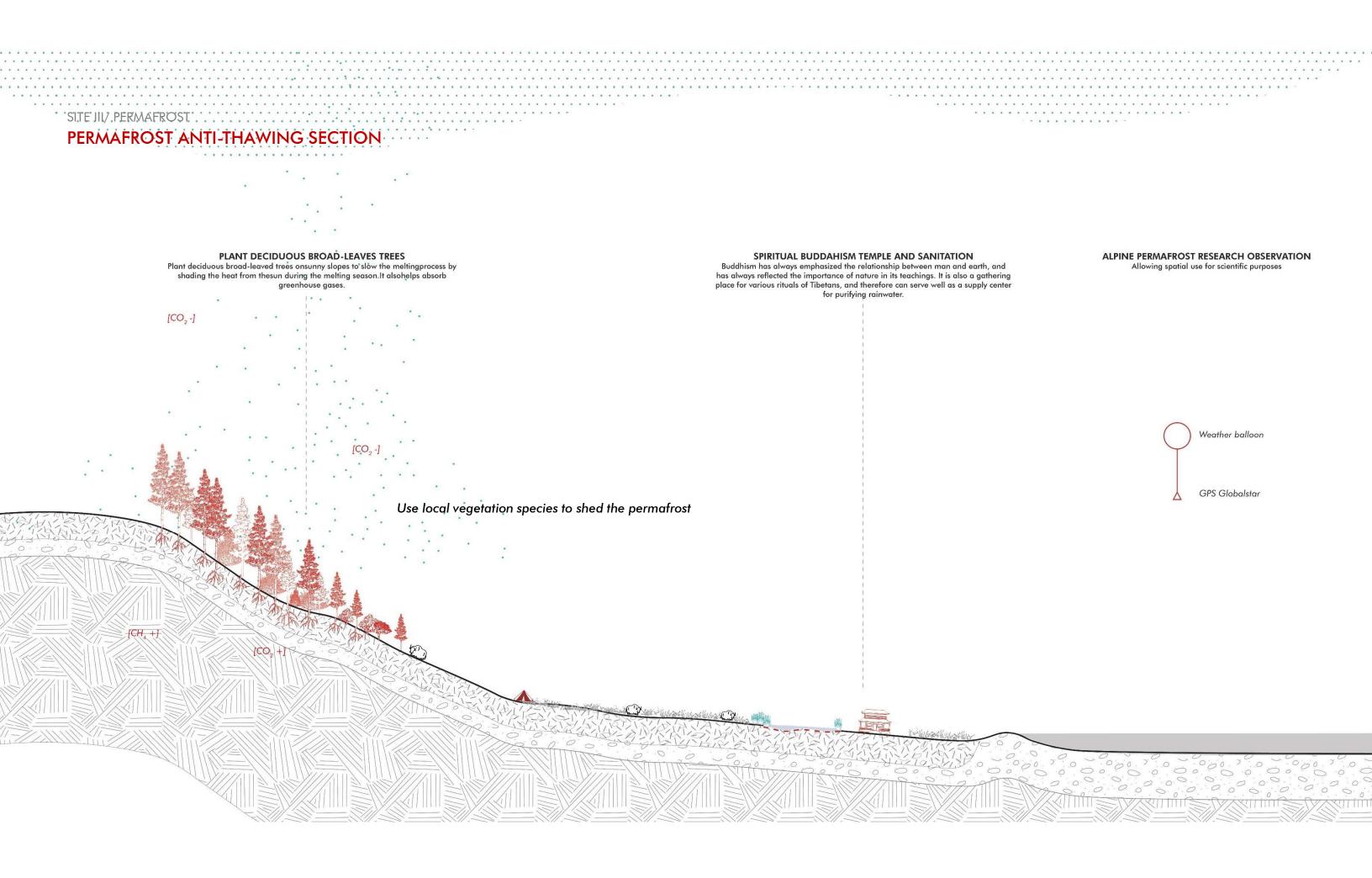
The processed barley is then fed to livestock during the winter months (November-February), when forage is scarce and the animals need extra nutrition to survive the cold weather.

[AEROSOLS -] [AEROSOLS -] INTEGRATING CROP-LIVESTOCK AGRICULTURE manure management and the use of feed additives that reduce methane production **COMPRESS SOIL REFROSTATION** FILTERING FLOODPLAIN maintain the vegetation cover reduce the amount of dust absorb carbon dioxide and other pollutants from the atmosphere [CO₂ -] [CH₄-] 0 0



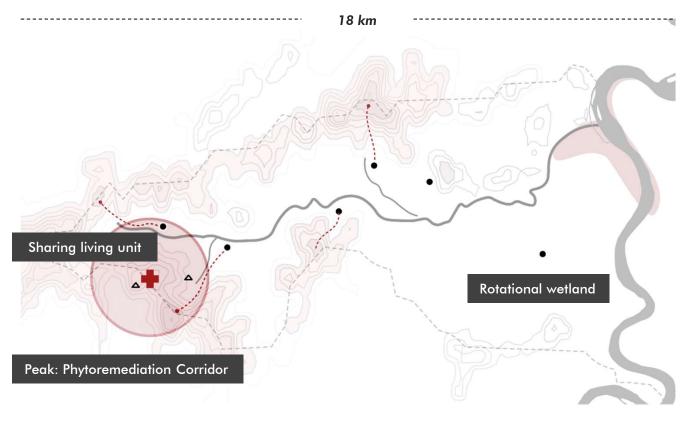






REGAIN OWNERSHIP/

Units



86 km2

Wetland Unit

Living, religious temple , purification, working

Family 376 mu

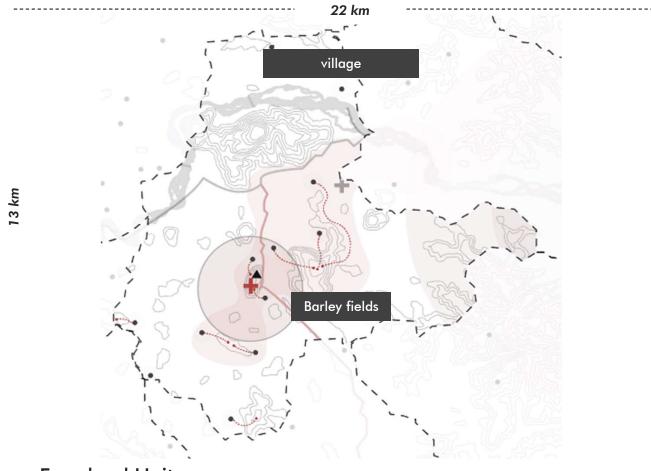
Density 70 Families/ km2
10 Yaks and 10 sheep/ family

Subsidy 6 yuan per mu

Before 32,850 yuan (4,692 euro)
After 63,056 yuan (8,407 euro)

REGAIN OWNERSHIP/

Units



Farmland Unit

Living, economic plants, purification, village, religious centre

Area 148 km2 Barley area 5 km2
Family 506 mu

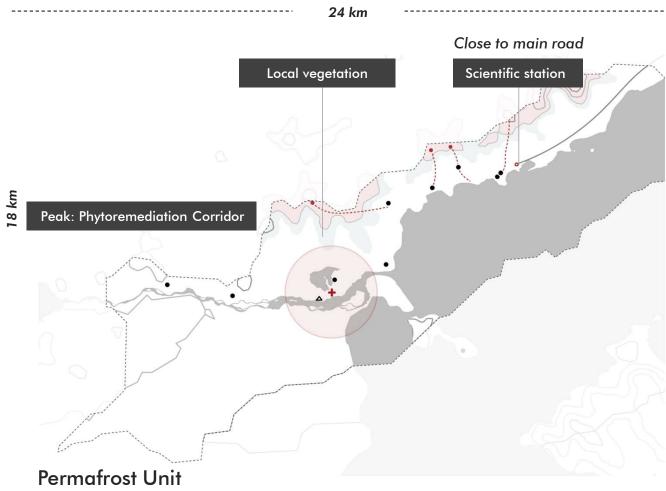
Density 45 Families/ km2
8 Yaks and 1 sheep/ family

Subsidy 6 yuan per mu

Before 21,835 yuan (2,911 euro)
After 36,457 yuan (4,860 euro)

REGAIN OWNERSHIP/

Units



Living, scientific research, purification, religious centre

Area 172 km2

Density 7 Families/km2

7302 families/

CARE FOR LAND/

Muti-scalar approach

Macro

Atmosphere

× De-Naturalize

Nano

Grazing Co-stewardship

Engage daily grazing activity into the process of nature restoration

Micro

Watershed Eco-unit

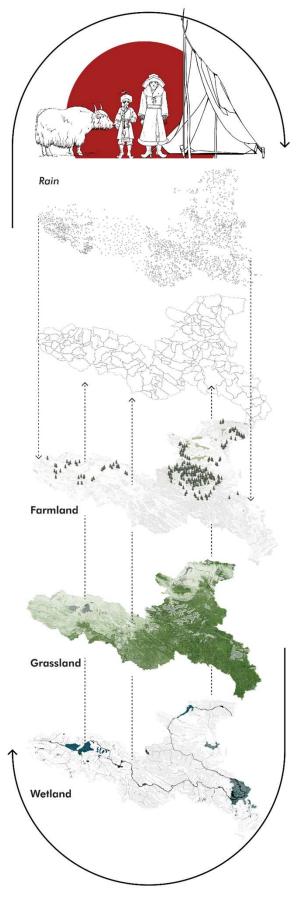
The community based resilience unity that reguide the local development with a diversification of productive activities and living environment.

Macro

Ecosystems

Land cover change, reconnection of bio-cultural corridor geo-policy frameworks revision

× De-overhumanizing



Co-steward for the land respecting indigenous actions

10 Families in one grazing settlements
2505 Grazing settlements in total
15,000,000 Yaks and other grazers

People nourish the land respecting land ecology

4-8 Small Watersheds units in a big one

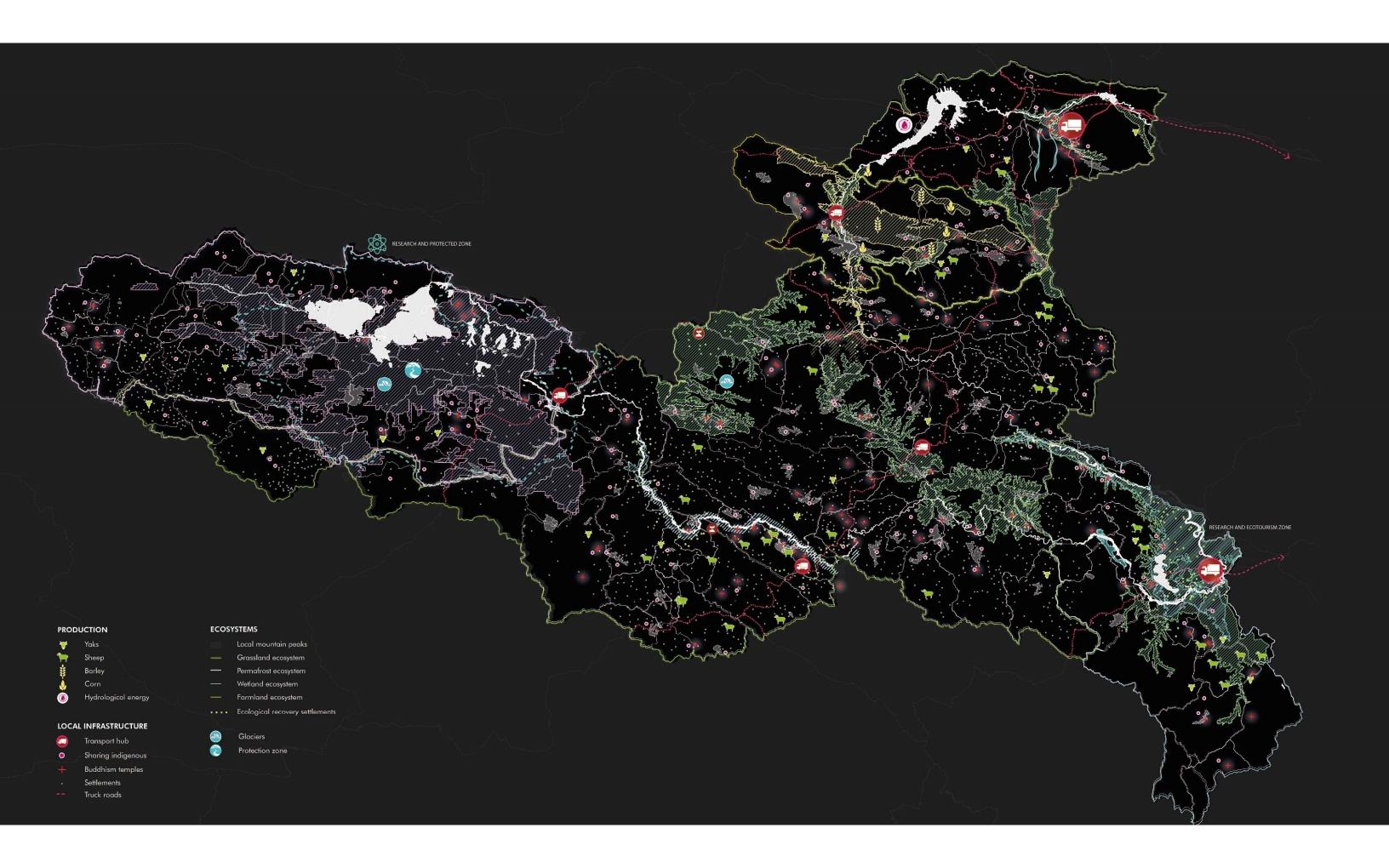
182 Small Watersheds units in total

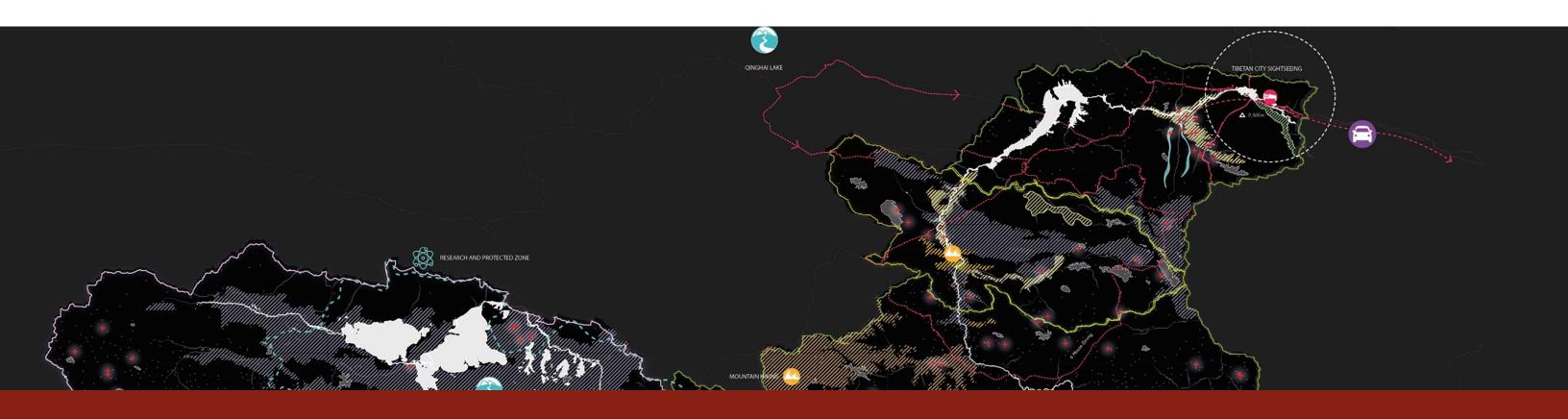
One small Watershed covers 648 km² on average

Land self-identify for its people

29 Big Watersheds units in total

30-40 Watersheds in one Ecosystem





My project explores and witnesses the intimate entanglements of indigenous communities with their ancestral lands, and grapples with the question of how they can harmoniously align with rhythms of national dreams.





Yellowstone, the world`s first national park



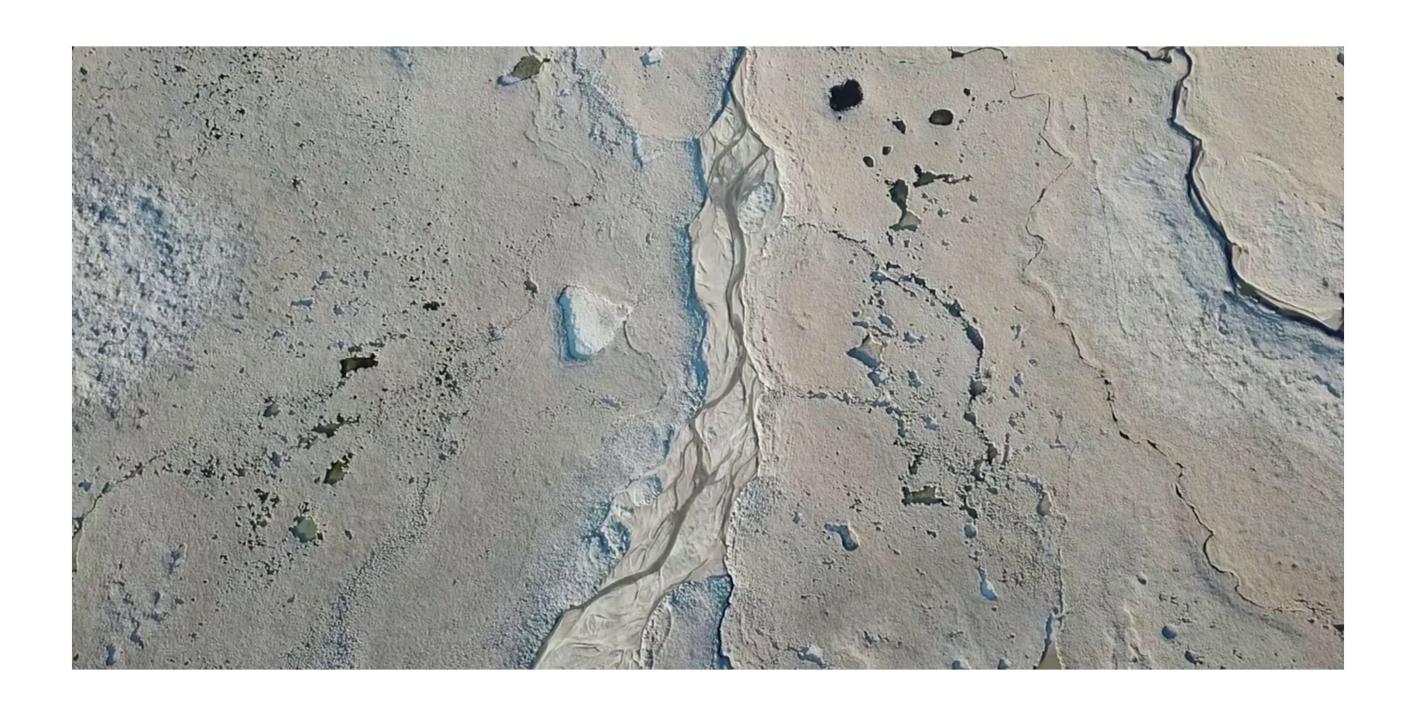
Numerous explorers came to clime to the peak. The word "conquer" has been used to celebrate human`s power and strength



For Tibetans, these majestic mountains embody the gods themselves, adorned with over 6,000 Buddhist temples.



Many landscapes now designated as national parks, perceived as pristine and untouched, have actually been shaped by indigenous peoples over countless generations.



Thanks for listening.
Let's envision a new park together.