



Some Reflections from **TELOS** Project Winter School, Antalya

February 16-25, 2024 Antalya, Türkiye

Meryem ATİK

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Towards a European Landscape Economy for a Sustainable Urban Development
Telos Winter School Akdeniz University / February 16-25, 2024 Antalya, Türkiye



TELOS Winterschool, ANTALYA





TELOS Winterschool, Antalya

February 16-25, 2024 Antalya, Turkiye

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TELOS Winter School Antalya - Manavgat, 16.-25.02.2024

16.02.	17.02.	18.02.	19.02.	20.02.	21.02.	22.02.	23.02.	24.02.	25.02.
Friday	Saturday	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
all day	09:00 - 12:30	09:00 - 12:30	09:00 - 12:30	09:00 - 12:30	09:00 - 12:30	09:00 - 12:30	09:00 - 12:30	09:00 - 12:30	all day
arrival to Antalya	<p>Morning session: Welcome and getting to know each other, mapping expectations, pre-evaluation</p> <p>11 00: Introduction to the Antalya Bay (Antalya team et al.), Introduction to campus facilities</p>	Excursion to Manavgat (designed by Akdeniz team)	09 00 - 11 00: Landscape challenges mapping and team building & collective brainstorming on the landscape system	09 00 - 11 00: Ideation session	09 00 - 11 00: Introduction to the business model canvas (specifying final presentation needs)	Group work continues, including field testing in Manavgat or with local community / stakeholders (possibly not all team members)	working on SBMC, landscape system model and final presentation	Final presentations, possibly a mix of prototypes expo & presentations	return travel
	11 00 - 12 30: Further developing the system model, define the challenge		11 00 - 12 30: Prioritize ideas and quick group presentation	11 00 - 12 30: Teams prepare for a field testing session					
	12:30 - 14:00 Lunch	12:30 - 14:00 Lunch	12:30 - 14:00 Lunch	12:30 - 14:00 Lunch	12:30 - 14:00 Lunch	12:30 - 14:00 Lunch	12:30 - 14:00 Lunch	12:30 - 14:00 Lunch	
	<p>Invited experts: Agriculture, tourism, agricultural land market. real estate</p> <p>Group exercise: Collective Landscape System Mapping (Cause-effect relationships)</p>	Excursion continues	Roundtable with local community & local experts, use empathy map	Prototyping session and presentation of prototypes	Group work continues, including field testing in Manavgat or with local community / stakeholders	Pitching Session 5 minutes Team members who are not in the field: Further development of the business model & specification of the spatial transformation / spatial implications on the landscape system	working on SBMC, landscape system model and final presentation, 17 pm rehearsal	Final presentations continue, Feedback and post-evaluation session with all participants Farewell event	
	18:00 Free evening		18:00 Free evening						18:00 Free evening
	Outcome of the day Team building, initial landscape system knowledge, first hypotheses	Outcome of the day Advanced landscape system knowledge	Outcome of the day groups, deeper understanding, system model development	Outcome of the day Idea & prototype	Outcome of the day prepared to develop SBMC	Outcome of the day Advanced business model & spatial model	Outcome of the day preparation of final presentation	Outcome of the day Community presentation and post-evaluation	

Introduction to Winterschool



Exursion, Winterschool



Exursion in Winterschool

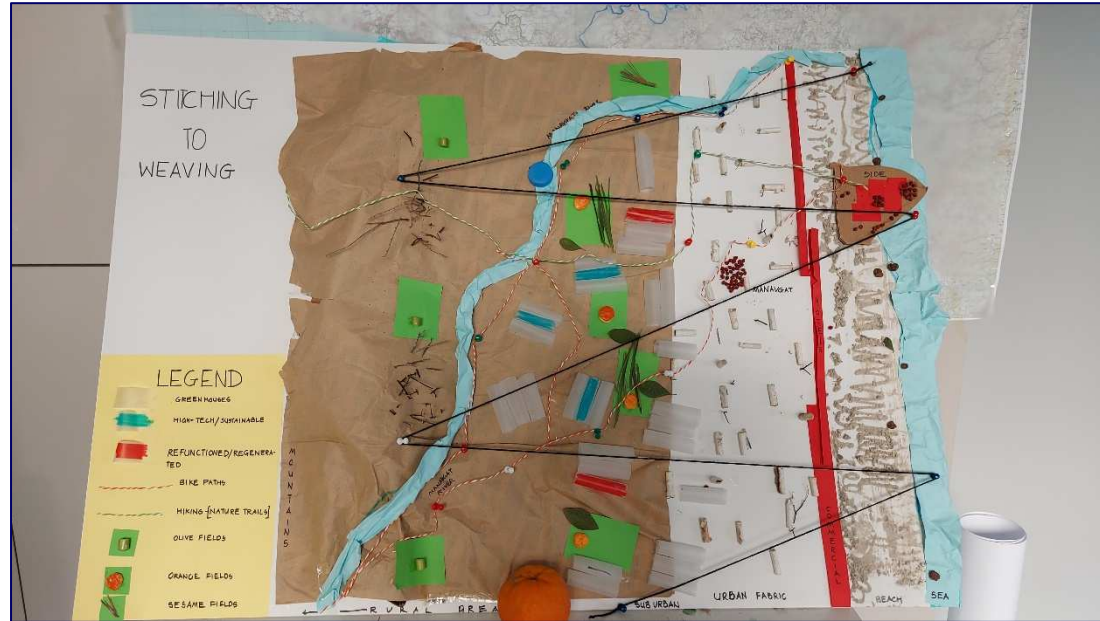
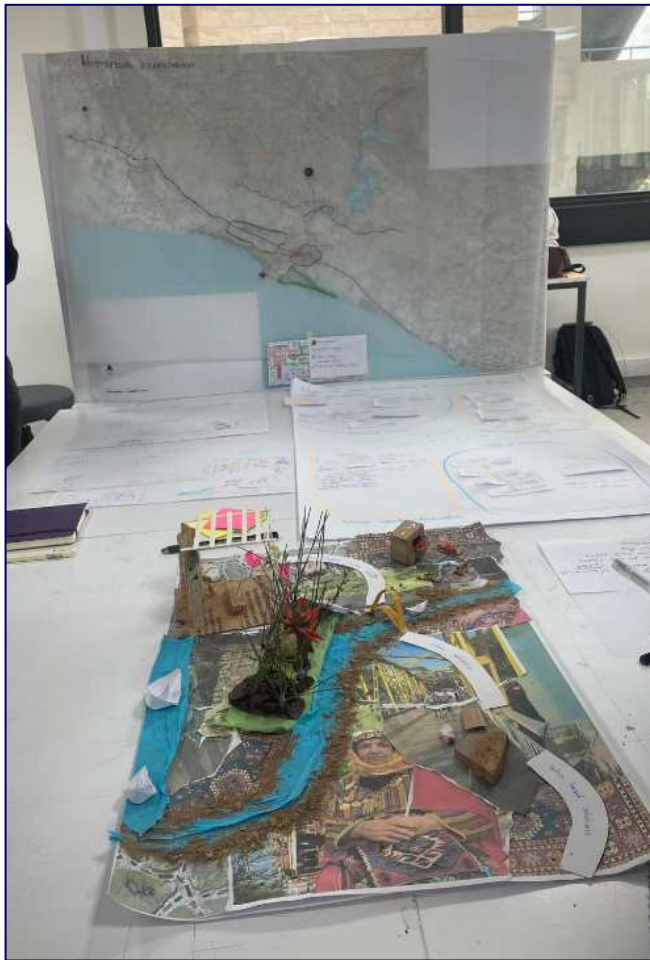




Group Work in Winterschool

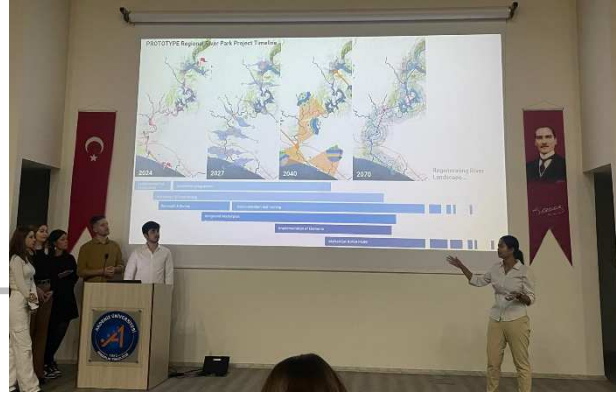


Models Created





Presentations Made



Towards a Landscape Observatory for Manavgat and the Antalya Bay

Paulina BONE
Julia TYBORCZYK
Cem Kirbas,
Fahrin ESMAELIAN
Ana Cristina González GARCÍA
Berkay ÖZARSLAN

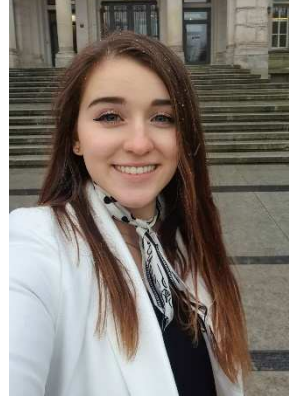
Supervisors:
Karolina KROŚNICKA



GROUP 1 - Manav-Tek Landscape Observatory



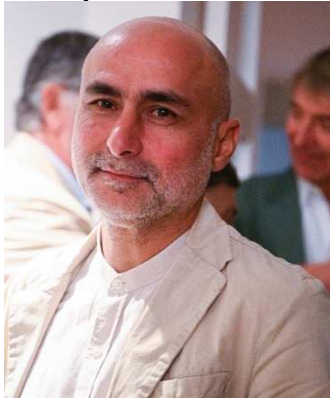
Berkay ÖZARSLAN



Paulina Bone



Julia Tyborczyk



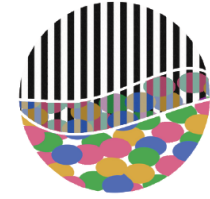
Cem KIRBAŞ



Farhin ESMAEILIAN



Ana Cristina Gonzalez
GARCIA



MANAV unity
green grocery **TEK**

LANDSCAPE OBSERVATORY

Manav-Tek Landscape Observatory

Integrated Landscape Vision for Manavgat

The integrated landscape vision for Manavgat is to initiate green corridors, water irrigation systems, and diversify agricultural product patterns. Urban areas emphasize 15-minute neighborhoods, connected by public spaces and greenery. Connecting heritage areas enhances local identity, tourism, and heritage protection.

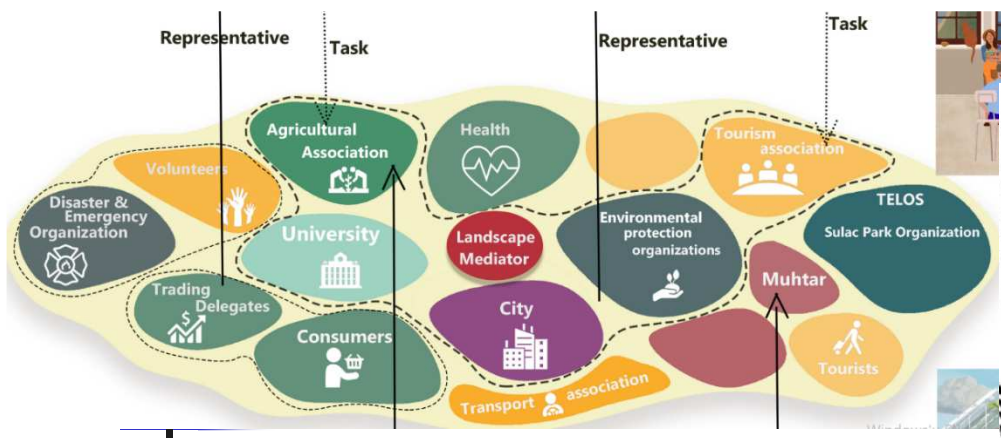
Landscape Observatory as a Key PLATFORM

The Landscape Observatory's mission is to develop diverse strategies for the Manavgat area, rooted in the landscape systems approach. It establishes an integrated platform for collective dialogue, emphasizing a resilient future. A landscape mediator guides an organized process to identify common values, which is deeply crucial for preserving Manavgat's landscapes.

MANAVHERB Association

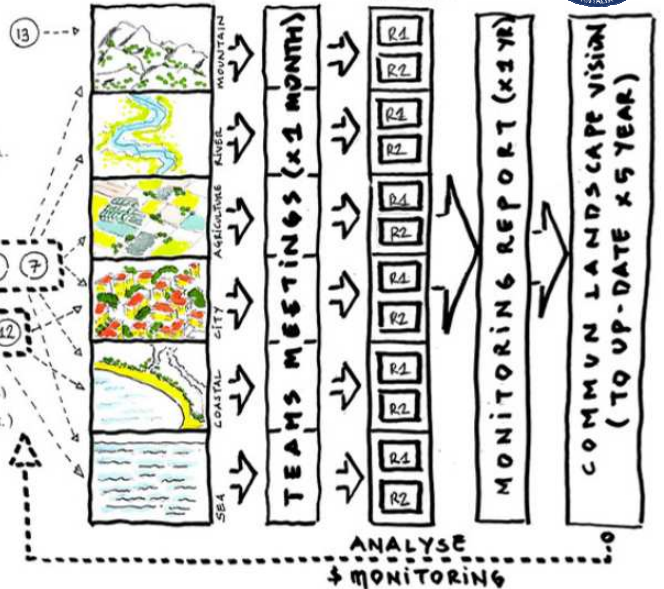
A proposed business model, ManavHerb, focuses on the medicinal plants and potential economic use of herbs. Collaborating with local universities (Akdeniz), the medical sector, and landowners, the association raises awareness about herbal benefits. Socially and environmentally impactful, Manavherb promotes healthy lifestyles, alternative income models, and herbalism education through social media and collaborations.





LANDSCAPE OBSERVATORY'S FUNCTIONING

1. AGRICULTURE COOPERATION
2. TOURISTS AGENCY COOP.
3. UNIVERSITY
4. LANDSCAPE MEDIATOR
5. ENVIRONMENT PROTECTION
6. MUNICIPALITY REPRESENTATIVE
7. ANTALYA METROPOLITAN REPR. + KAYMAKAM (?)
8. MUHTAR (NEIGHBORHOOD REPR.)
9. ESMEKLE BIRLIKİ (TRADERS ASS.)
10. HOTELS REPRESENTATIVE
11. TOURISTS REPRESENTATIVE
12. CONSUMERS ASSOCIATION
13. NOWAD'S REPRESENTATIVE



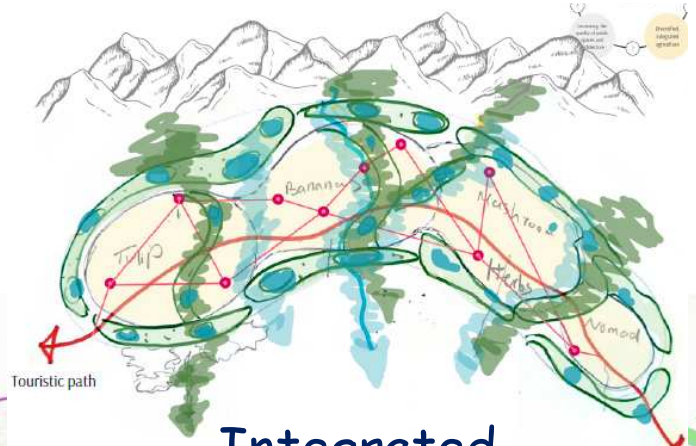
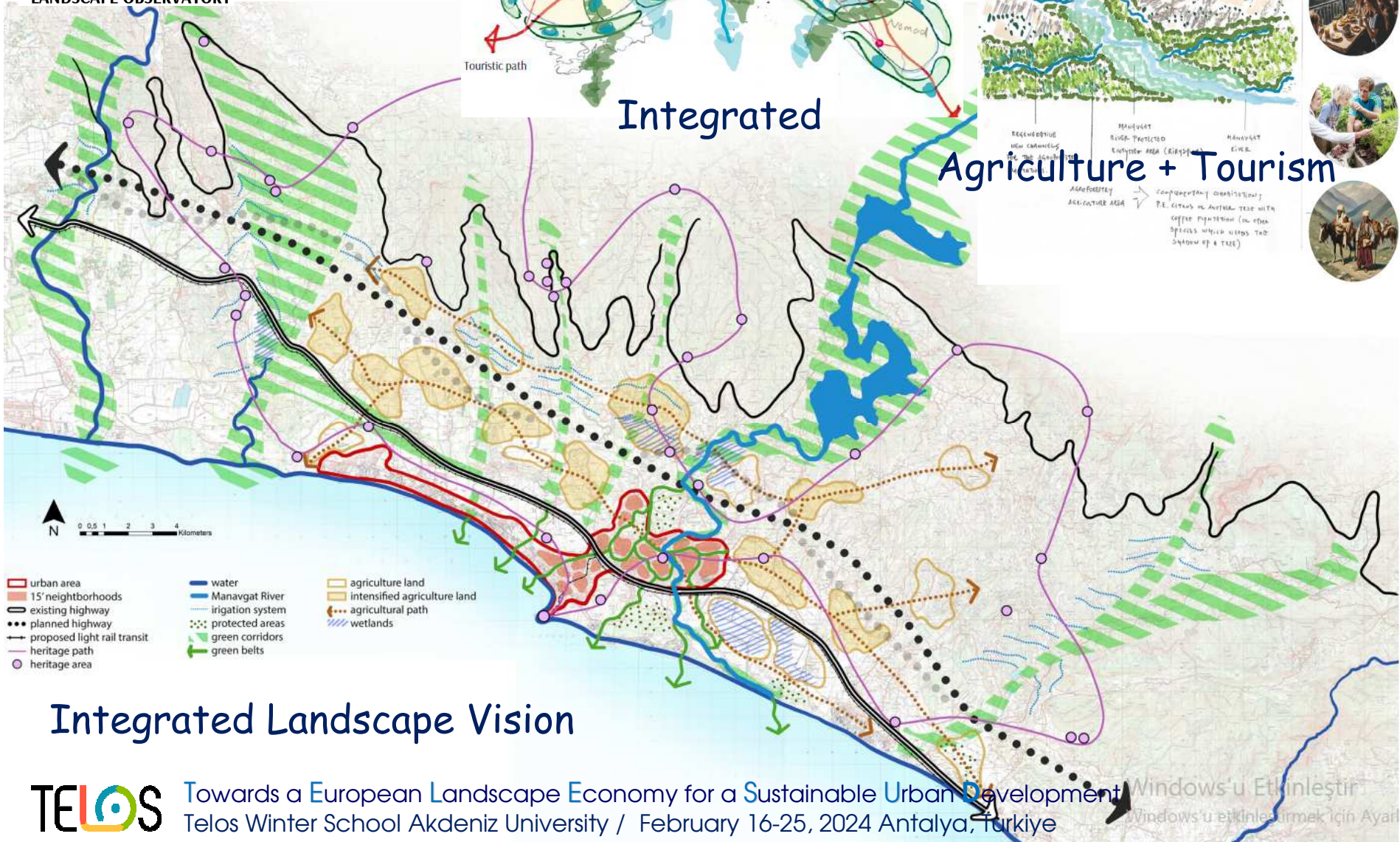
The name of your (Social) Enterprise or charity or community based organisation MANAVHERB				
Vision and Mission Statement Using a potential of traditional farms to diversify both the national and local economy sectors, to integrate herbalism into modern healthcare, education, and entrepreneurship, which leads to popularization of herbal medicine use and wellness.				
Key-Partners <ul style="list-style-type: none"> Land owners University Medicine researchers and Tourists, travel agencies (trip-organizers), advertisers, local shops and restaurants, suppliers (fertilizers, seeds...) 	Key Processes <ul style="list-style-type: none"> Educating (effect of different herbs, how to cultivate them...) prototyping and testing, farming, cultivating & harvesting 	Value Proposition <ul style="list-style-type: none"> Innovative approach to combining cultivation of herbs and tourism , unique experience for clients good relationship with client 	Key-Products & -Services <ul style="list-style-type: none"> Educating (effect of different herbs, how to cultivate them...) prototyping and testing, farming, cultivating & harvesting 	Customers segments <ul style="list-style-type: none"> Clients open to new experiences, non-all-inclusive-oriented individuals, travel agencies people interested in healthy lifestyle, universities, health companies (medicine, supplements), local restaurants/shops
	Key Resources <ul style="list-style-type: none"> Land with rich soil, location (accessibility) employees Herbs and other harvesting products, harvesting infrastructure, know-how water 		Channels <ul style="list-style-type: none"> Social media, alternative advertising (university, government support...), workshops, people's recommendation 	
Cost-Driver QUALITY-BASED STRUCTURE MODEL <ul style="list-style-type: none"> Hospitality, creating of local identity, sense of community, innovation creation of a harvesting structure (irrigation system, water...) 		Revenue-Driver <ul style="list-style-type: none"> Selling herbs/medicines, income from organized educational events (workshop, courses...), profit from organized trips (private tourist or travel agencies) income based on advertising (collaboration with other local businesses- whisper marketing) 		
KPI (Key Performance Indicator) <ul style="list-style-type: none"> Receiving positive reviews from clients: e.g. 80% of clients give us 4/5 mark % of touristic sector that "herbal tourism" cover % growth in herbal-tourism business owners year to year income 				
Social & Environmental Impact / Impact on Beneficiaries Merging the services (tourism and cultivation) maximal use of space and natural resources Innovative approach, enhanced idea of healthy lifestyle, local participation, increased awareness about positive impact of herbs, encouraging people for herbalism on their own by the education, creation of alternative income model, local oriented programme (local support), impact on other companies to change the business (as an example of innovation) and mindset-changing				

Manavgat Urban Greenspace Initiative				
Mission Statement To forge pedestrian-centric, eco-friendly neighborhoods in Manavgat that embody the synergy of nature and urban living, fostering high-quality life through sustainable community design.				
Key-Partners Muhart, Environmental NGOs, urban planning collectives, landscape architects	Key Processes Participatory urban planning Green infrastructure development Community education and engagement programs	Value Proposition Accessible and sustainable neighborhoods that prioritize pedestrian and bicycle mobility Seamlessly integrating green spaces	Key-Products & -Services 15-minute neighborhood designs, bicycle infrastructure implementation, green corridors, urban landscape integration	Customers Local residents, eco-conscious tourists, community businesses
	Key Resources Urban Design Principles Community Involvement Policy Frameworks Academic Research		Channels Community workshops, social media platforms, public awareness events	Beneficiaries Manavgat local community, indigenous flora and fauna, regional visitors
Cost-Driver Construction of green infrastructure, community education campaigns, landscape integration		Revenue-Driver Ecotourism, public and private funding, donations		
Customer & Beneficiary Input Community meeting feedback, surveys, interviews		KPI (Key Performance Indicator) CO2 emission reduction, bicycle usage rates, resident satisfaction surveys		
Social & Environmental Impact / Impact on Beneficiaries Improved air quality, increased green space, strengthened community bonds				

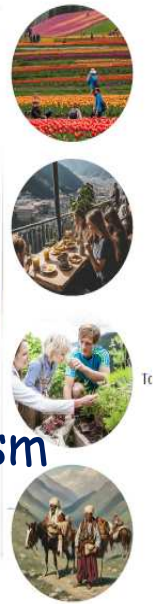
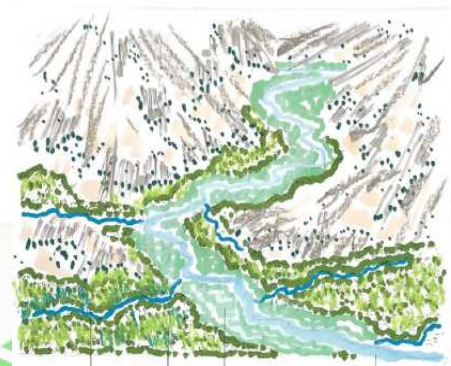


MANAV unity greengrocery TEK

LANDSCAPE OBSERVATORY



INTEGRATED AGRICULTURE+TOURISM



Agriculture + Tourism

REGENERATIVE NEW CHANNELS FOR THE MANAVGAT RIVER PROTECTED ECOSYSTEM AREA (RİŞİP) ADAPTABLE AGRICULTURE AGRA

MANAVGAT RIVER PROTECTED ECOSYSTEM AREA (RİŞİP) MANAVGAT RIVER

COMPANIONARY HABITATS: PL. CITRUS IN ANTIQUITY. TREE WITH COFFEE PLANTATION (AN OTHER SPECIES WHICH HELPS THE SHADOW OF A TREE)

Integrated Landscape Vision



MANAV unity
green grocery **TEK**

TELOS

Towards a European Landscape Economy for a Sustainable Urban Development

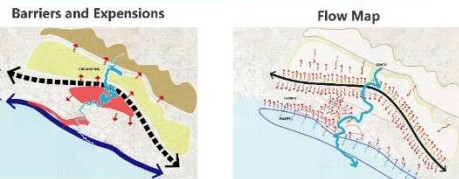
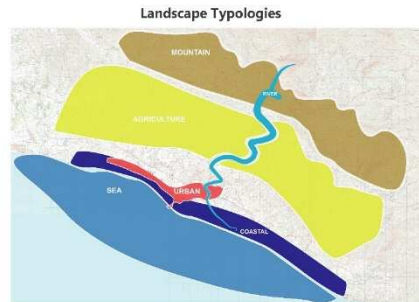
MANAV-TEK LANDSCAPE OBSERVATORY

Karolina Krośnicka, Paulina Bone, Julia Tyborczyk, Cem Kirbas, Fahrin Esmaeilian, Ana Cristina González García, Berkay Özarlan



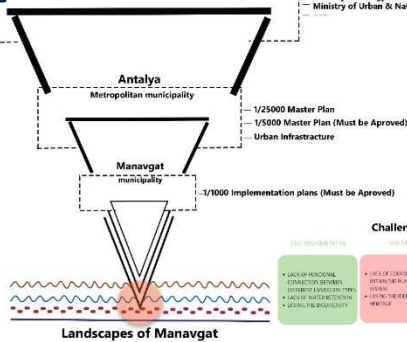
LANDSCAPE SITUATION AND CHALLENGES

The Landscape is fragmented and is constantly losing its values. All sector and actors are following own agendas. We constantly lose our common goal: The landscape of Antalya



Government

- Ministry of Tourism & Culture
- Ministry of Forest
- Ministry of Agriculture
- Ministry of Forest
- Ministry of Energy & Natural Resources
- Ministry of Urban & Natural Resources

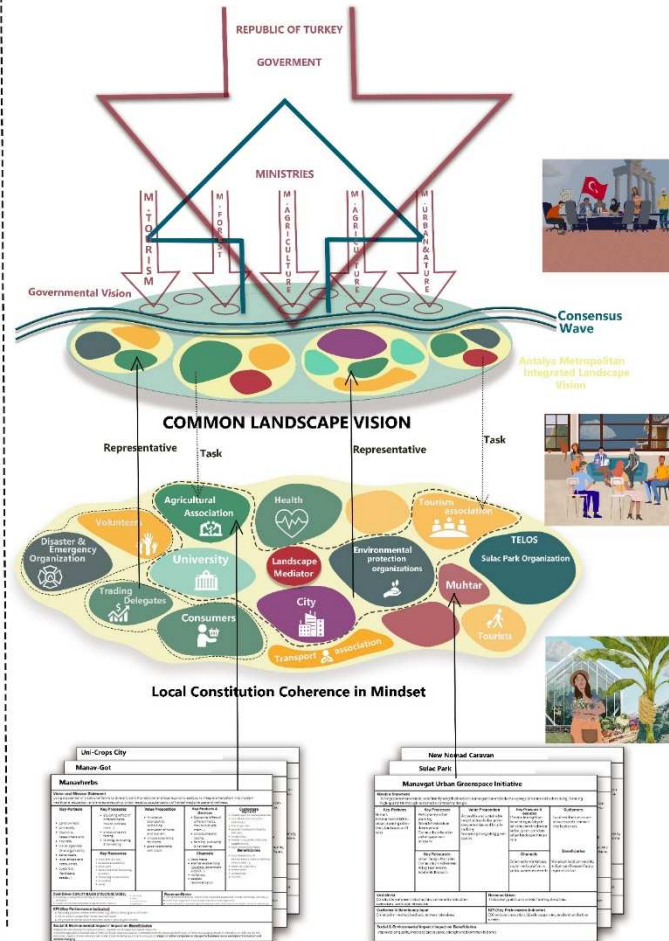


Challenges

- ENVIRONMENTAL**
 - LACK OF PROTECTIVE ZONES FOR NATURAL RESOURCES
 - LOSS OF BIODIVERSITY
 - LOSS OF LANDSCAPE VALUES
- SOCIAL**
 - LACK OF COOPERATION BETWEEN SECTORS
 - LOSS OF IDENTIFICATION WITH THE LANDSCAPE
 - LOSS OF TRADITIONAL VALUES
- ECONOMIC**
 - LOSS OF ECONOMIC POTENTIAL
 - LOSS OF TOURISM POTENTIAL
 - LOSS OF CULTURAL POTENTIAL

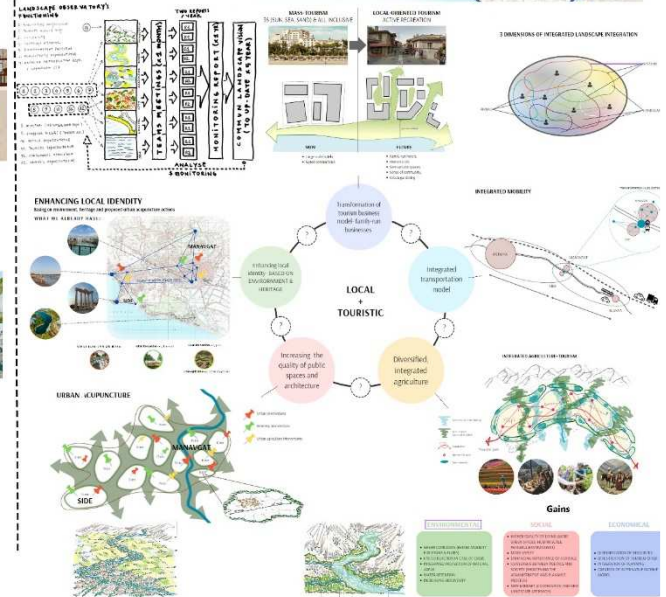
OUR SOLUTION

We create a new platform and governance model. To allow all sector and actors to develop a shared landscape vision. On that basis we will build a sustainable landscape - step by step.



OUR VISION

A Landscape that regenerate and preserve all its values for future generation. A socially and environmentally residential landscape.



Manav-Tek Landscape Observatory Poster

The Care etta City - Towards a Sustainable Mobility for the Antalya Bay

Natalia WOLSKA
Alicja REGLIŃSKA
Orhan ÖZBAY
Muhammed Aykan GENÇKAL
Alina CHOMAEVA
H N Sılay EMIR

Supervisor:
Didier VANCUTSEM



GROUP 2 - The Car-etta City



Orhan ÖZBAY



Hafize Nur Sılay EMİR



Alina CHOMAEVA



Natalia WOLSKA



Alicja REGLINSKA

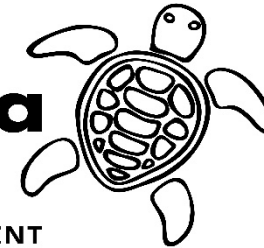


Muhammet Aykan
GENÇKAL



Group 2 - The Car-etta City

**The
car etta
city**
SAFE AND EFFICIENT



The "Caretta City" project envisions a paradigm shift in transportation for the Manavgat and Antalya region in Turkey. With the ambitious goal of achieving a fully integrated and operational sustainable mobility system by 2050, the project focuses on resilience, efficiency, accessibility, inclusivity, safety, affordability, cleanliness, and smart intelligence.

Education and Informational System

The project kicks off with a comprehensive education program designed for the entire community. This educational initiative aims to encourage a sense of responsibility and awareness about sustainable living practices.

Magnetic Railway on Stilts

At the heart of the project lies a revolutionary transportation system - the magnetic railway on stilts. This innovative infrastructure connects the major cities of Antalya, Manavgat, and Alanya, providing a swift and efficient mode of transportation. Elevated on stilts, the magnetic railway minimizes land use, avoiding disruption to urban spaces and preserving the natural landscape.

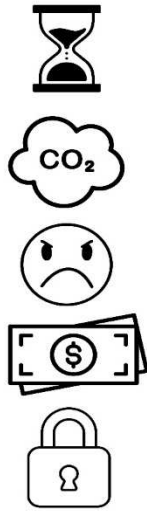
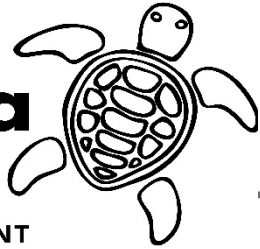
Renewable Energy-Powered Public Transportation

The project introduces a comprehensive public transportation system that relies on renewable energy sources. Solar panels and hydrogen energy will be harnessed to power buses and other public transport vehicles, reducing the carbon footprint and dependency on fossil fuels.

MOBILITY CHALLENGES

The car etta city

SAFE AND EFFICIENT



- FEW BUSES
- POLLUTION AND NOISE
- CROWDED BUSES
- TRAFFIC JAMS
- EXPENSIVE

- NO CONNECTION WITH RURAL AREA
- POOR ACCESSIBILITY
- HARD TO USE SOFTWARE
- NO CLEAR SCHEDULES
- NOT INCLUSIVE PUBLIC TRANSPORT



SOLUTIONS



- 15 MINUTE CITY - INTRODUCE PEDESTRIANS PRIORITY

- EFFICIENT PUBLIC TRANSPORTATION BASED ON RENEWABLE ENERGY



- EDU & INFO PROGRAMMES
- EASY APPLICATION, WEBSITES, SCHEDULES

- MULTI-MODAL HUB CENTER
- ACCESSIBLE INFRASTRUCTURE



- INTEGRATING ALL MEANS OF TRANSPORTATION

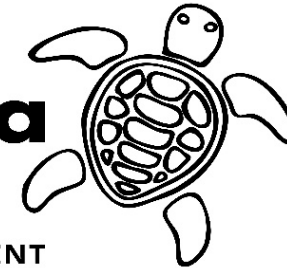
- CREATING GREEN AREAS FROM PARKING LOTS





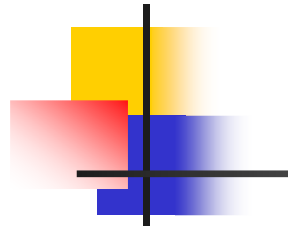
Benefits

**The
car etta
city**
SAFE AND EFFICIENT



- **Efficiency:** The magnetic railway system ensures rapid and punctual transportation, reducing travel times and increasing overall efficiency.
- **Accessibility:** The elevated railway and renewable-powered public transport guarantee accessibility for all citizens, including those with mobility challenges.
- **Inclusivity:** By incorporating educational programs and digital platforms, the project promotes inclusivity, encouraging active participation from every segment of the community.
- **Safety:** The magnetic railway's advanced technology ensures a safe and secure mode of transportation, reducing the risk of accidents and enhancing overall safety.
- **Affordability:** The use of renewable energy sources not only makes the transportation system eco-friendly but also contributes to cost-effectiveness, making it affordable for a broad spectrum of the population.
- **Cleanliness:** The project significantly reduces the region's carbon footprint by relying on clean and renewable energy, contributing to a cleaner and healthier environment.
- **Smart Intelligence:** Integrated smart technologies enable real-time monitoring, efficient route planning, and a seamless user experience, ensuring a technologically advanced transportation system.

Communication node - The main hub



- RAILWAY
- TRAIN STATION
- BUS DEPOT
- SERVICES
- TAXI
- CAR POOLING
- CAR SHARING



Existing public transportation in Manavgat



Planned public transportation in Manavgat

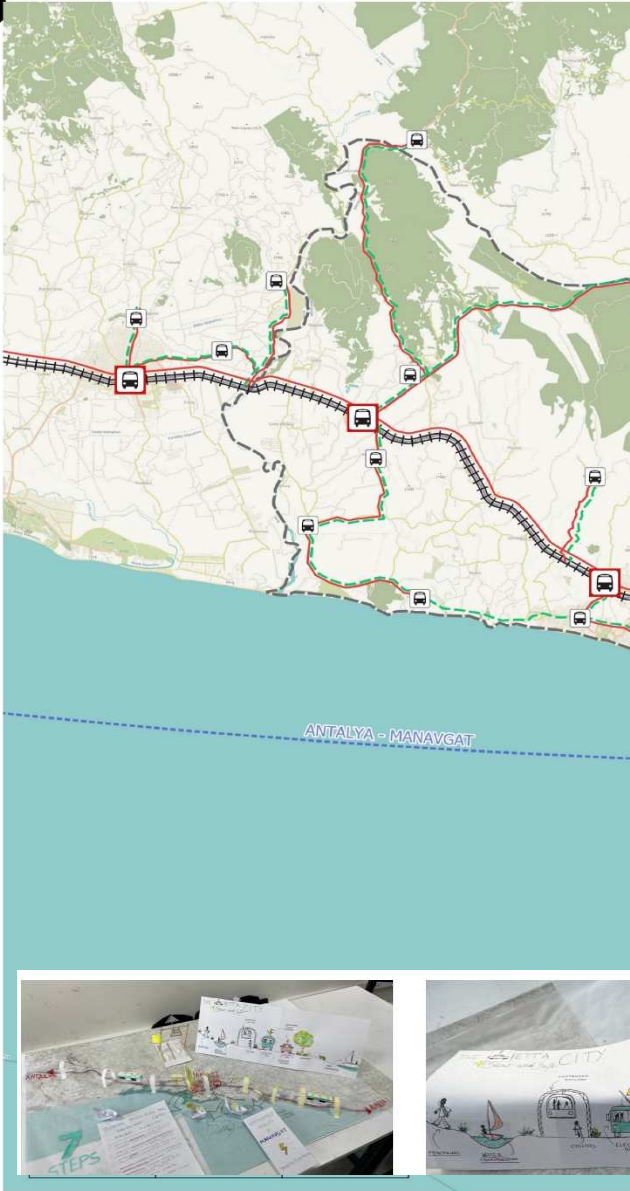


SUSTAINABLE URBAN MOBILITY PLAN FOR MANAVGAT REGION

ANTALYA

MANAVGAT

ALANYA



prototype

ANTALYA

MANAVGAT

ALANYA

EDUCATION & INFORMATION

- public participations
- workshops and lectures for community
- website & easy to use app
- clear schedules and signs

INFRASTRUCTURE

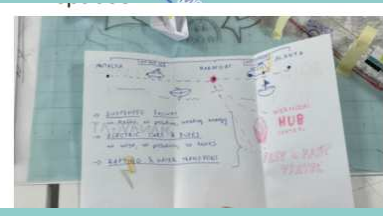
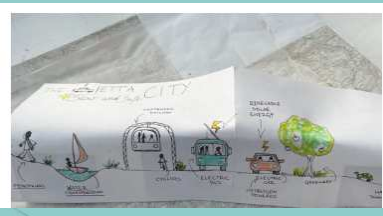
- fast and efficient, cost-saving railway connection
- multi-modal hub in Manavgat
- integrated public transport system
- based on renewable energy
- shared-mobility system

URBAN DEVELOPMENT

- Transit Oriented Development
- Multi-modal hub center with local services
- more green areas due to car reduce
- accessible and inclusive

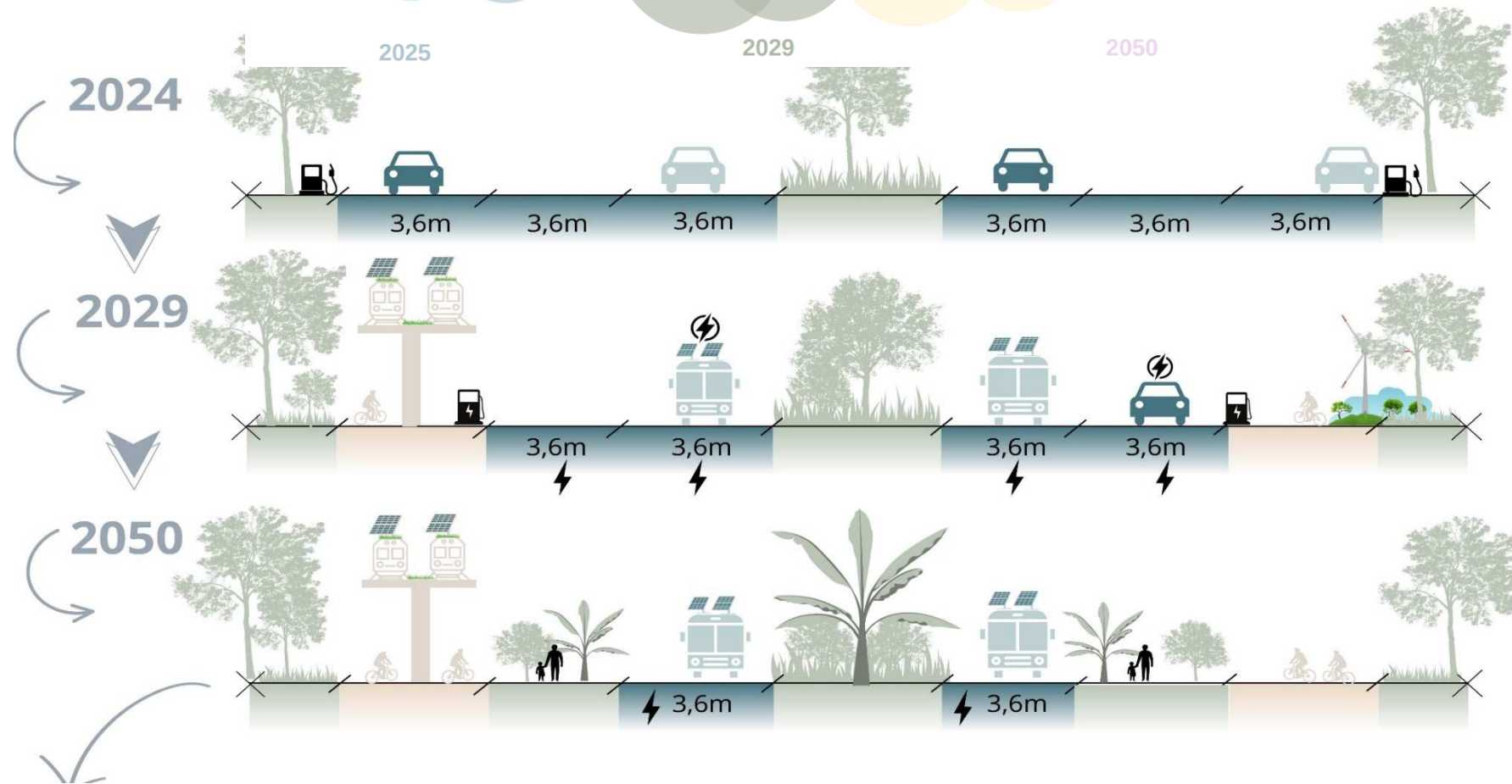
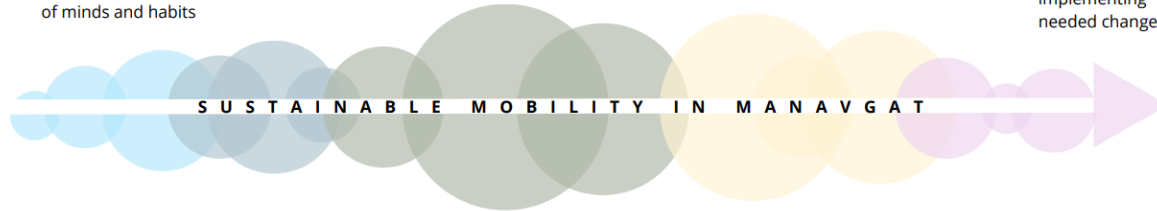
LEGEND

- case area
- existing bus stop
- Planned connection nodes
- main hub
- train&bus stop
- local bus stop
- other bus stop
- water transport stop
- Planned connection system
- railway
- main bus lines
- cycle path
- river transport
- maritime passenger transport
- OSM Humanitarian Data Model



the 7 steps plan

Structure - Antalya





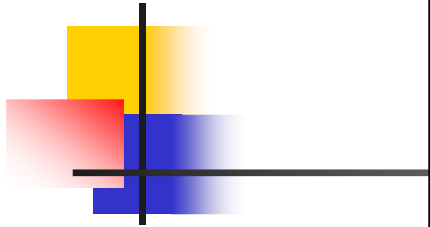
BY 2050 WE ACHIEVE FULLY INTEGRATED AND OPERATING MOBILE SYSTEM. IT IS BASED RENEWABLE ENERGY. IT IS RESILIENT EFFICIENT ACCESSIBLE INCLUSIVE SAFE CHEAP CLEAN SMART-INTELLIGENCE EDUCATION AND INFORMATION PROCESSES STARTS NOW AND CONTINUOUSLY DEVELOP IN 2050

<p>KEY PARTNERS:</p> <ul style="list-style-type: none"> • School and university • Municipalities • Experts (landscape, engineers, planners) • Investors (local companies) • Governments • Banks and Funders • Community (crowd funding) 	<p>KEY PROCESSES:</p> <p>Education</p> <p>Research - Discussions Consulting - Planning Funding Advertising Implementing - Building Monitoring - Improving</p>	<p>VALUE PROPOSITIONS:</p> <ul style="list-style-type: none"> • Efficient transport (cheap and fast) • Innovative technology • Multi-modal system • Info&edu programme programmers • Transport Oriented development • Health and well-being • Fair Transportation • Less traffic • Green areas in the city • Increased value of real estate in Manavgat 	<p>KEY-PRODUCTS&SERVICES:</p> <ul style="list-style-type: none"> • Railway transport • Eco public transport • Multi-modal Hub • 15 Minutes City structure • Improved road system • Education programmes 	<p>CUSTOMERS:</p> <ul style="list-style-type: none"> • Farmers - workers - tourist - citizens - delivery companies - local communities - bikers - pedestrians - students - people with disabilities
	<p>KEY RESOURCES:</p> <p>People - support - space infrastructure - technology - knowledge - money</p>		<p>CHANNELS:</p> <p>HUB</p> <ul style="list-style-type: none"> - Digital information (App, website, social media) - Physical Info (Maps, stops, info boards, brocheries) <p>EDUCATION</p> <p>Workshops, lecturers, classes, discussions</p>	<p>BENEFICIARIES:</p> <ul style="list-style-type: none"> • Farmers - municipalities - governments - local companies - tourists - local community - University - volunteers - associations - schools and people with disabilities

value propositions



<p>COST-DRIVER</p> <p>infrastructure and Technology Investments - Construction materials and Advertising</p>	<p>REVENUE-DRIVER</p> <p>Tickets Taxes services in the hub (rent locals), parking fee, charging stations and advertisement</p>
<p>CUSTOMER & BENEFICIARY INPUT</p> <p>Feedback, finance support, workforce</p>	<p>KPI (KEY PERFORMANCE INDICATOR)</p> <p>energy produced for kilowatts, number of passengers daily, energy conception measures, air pollution check yearly, yearly income from service and transport</p>



The Car-etta City Poster

The car etta city

SAFE AND EFFICIENT

MOBILITY CHALLENGES

- FEW BUSES
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- 15 MINUTE CITY - INTRODUCE PEDESTRIANS PRIORITY
- EDU & INFO PROGRAMMES
- EASY APPLICATION, WEBSITES, SCHEDULES
- INTEGRATING ALL MEANS OF TRANSPORTATION
- EFFICIENT PUBLIC TRANSPORTATION BASED ON RENEWABLE ENERGY
- MULTI-MODAL HUB CENTER
- ACCESSIBLE INFRASTRUCTURE
- CREATING GREEN AREAS FROM PARKING LOTS

EXISTING PUBLIC TRANSPORTATION IN MANAVGAT

PLANNED PUBLIC TRANSPORTATION IN MANAVGAT

2024

2029

2050

Communication node - The main hub

RAILWAY TRAIN STATION

BUS DEPOT

SERVICES

TAXI

CAR POOLING

CAR SHARING

BY 2050 WE ACHIEVE FULLY INTEGRATED AND OPERATING MOBILE SYSTEM IT IS BASED RENEWABLE ENERGY. IT IS RESILIENT EFFICIENT ACCESSIBLE INCLUSIVE SAFE CHEAP CLEAN SMART INTELLIGENCE EDUCATION AND INFORMATION PROCESSES STARTS NOW AND CONTINUOUSLY DEVELOP IN 2050.

<p>KEY PARTNERS:</p> <ul style="list-style-type: none"> School and university Municipalities Experts (landscape, engineers, planners) Investors (local companies) Governments Banks and Funders Community (crowd funding) 	<p>KEY PROCESSES:</p> <ul style="list-style-type: none"> Education Research Discussions/Consulting Planning Funding Advertising Implementing - Building Monitoring - Improving 	<p>KEY RESOURCES:</p> <ul style="list-style-type: none"> People Support Space infrastructure Technology Knowledge Money
<p>VALUE PROPOSITIONS:</p> <ul style="list-style-type: none"> Efficient transport (cheap and fast) Innovative technology Multi-modal system Info&edu programme programmes Transport Oriented development Health and well-being Fair Transportation Less traffic Green areas in the city Increased value of real estate in Manavgat 	<p>KEY PRODUCTS&SERVICES:</p> <ul style="list-style-type: none"> Railway transport Eco public transport Multi-modal hub 15 Minutes City structure Improved road system Education programmes 	<p>CUSTOMERS:</p> <ul style="list-style-type: none"> Farmers - workers - tourist - citizens - delivery companies - local communities - bikers - pedestrians - students - people with disabilities
<p>CHANNELS:</p> <ul style="list-style-type: none"> Digital information (App, website, social media) Physical info (Maps, stops, info boards, brochures) 	<p>BENEFICIARIES:</p> <ul style="list-style-type: none"> Farmers - municipalities - governments - local companies - tourists - local community - University - volunteers - associations - schools and people with disabilities 	

THE GLOBAL GOALS

MANAV-GOT-ALL: First Sustainable Agro-Tourism Destination

Georges AZAR
Bahaa Bou KALFOUNI
Janhavi DESHPANDE
Ines FRANCOIS
Tracy SALIBA
Nur Sultan KERAMAN

Supervisors:
Meryem ATIK
Ibrahim YILMAZ





GROUP 3 - Manav-GOT- All

First Sustainable Agro-Tourism Destination



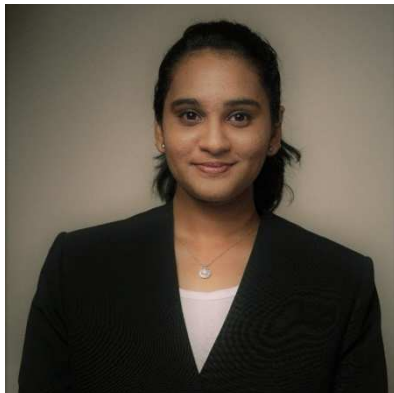
Bahaa Bou KALFOUNI



Georges AZAR



Ines FRANCOIS



Janhavi DESHPANDE



Nur Sultan KARAMAN

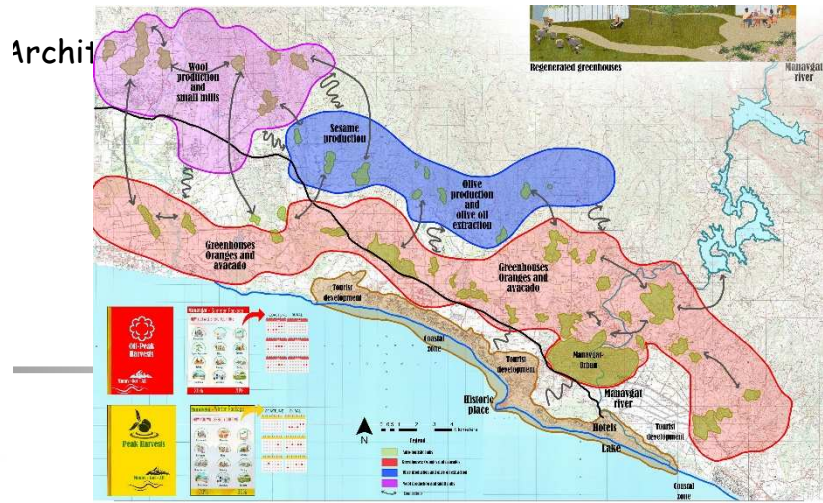
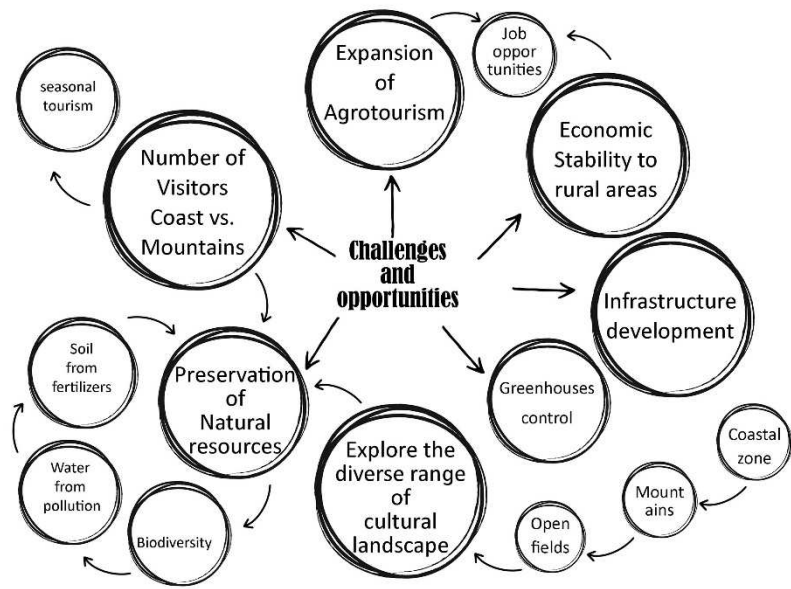


Tracy SALIBA



MANAV-GOT-ALL First Sustainable Agro-Tourism Destination

- Based on a concept of *"from stitching to weaving"* MANAV-GOT-ALL is a business network to explore synergies between agriculture and tourism for a compelling vision for the future of Manavgat. The network is to epitomize the innovative approach, envisioning a cohesive tapestry that interconnects the coastal tourism and rural – agricultural landscapes. It offers different agricultural packages and seasonal tours for tourists through exchanging knowledge between universities and farmers.
- At the heart of the vision lies Manav-Got-All local business enterprise, strategically positioned in the Manavgat region as a linchpin for collaboration and coordination. Functioning as a dynamic connector.
- Enhancing agrotourism in Manavgat by promoting farm visits, agricultural workshops, culinary tours and others aim to integrate local cultural experiences with sustainable farming practices to attract tourists while supporting local economies and preserving traditional landscapes; supporting educational activities.



MANAV-GOT-ALL: First Sustainable Agro-Tourism Destination

Agriculture

Agricultural productions

- Banana
- Tomato
- Orange
- Pomgranate
- Sesame
- Olive

Open fields

Greenhouse production

Tourism

Types of Tourism

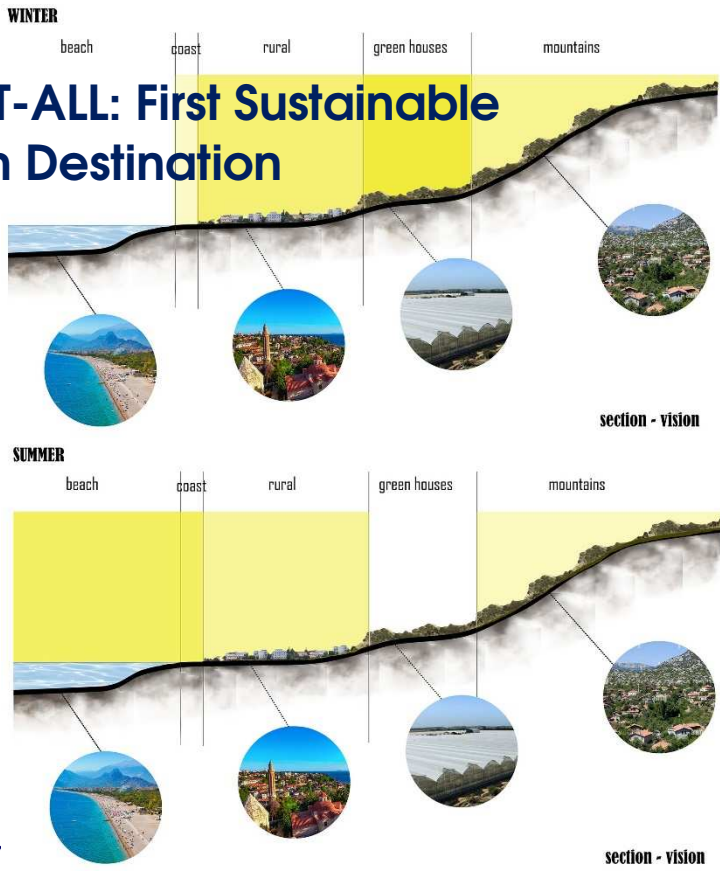
- Heritage sites
- Coastal zone
- Sea turtle conservation
- Hiking
- Natural park

Resources

- 300 days of sun
- Fertile soil
- 3 Rivers and 2 dams

Stakeholders

- Farmers-Producers
- Sellers
- Tourists
- Hospitality sector
- Local residents-Consumers
- Tourist agency



- Cause:**
1. Diverse range of agricultural products
 2. Increase in Greenhouse practices
 3. Economic unstability
 4. Beautiful diverse landscape
 5. Mass tourism

- Effect:**
1. Diverse agricultural landscape from Open fields to Greenhouses
 2. Losing traditional farming practices and increase in urban heat
 3. Selling cows and sheeps
 4. Opportunities for tourism at coastal as well as in the mountains
 5. Excessive use of natural resources, negative effect on biodiversity

SDG's getting hampered:

3 GOOD HEALTH AND WELL-BEING	6 CLEAN WATER AND SANITATION	7 AFFORDABLE AND CLEAN ENERGY	10 REDUCED INEQUALITIES	11 SUSTAINABLE CITIES AND COMMUNITIES
12 RESPONSIBLE CONSUMPTION AND PRODUCTION	13 CLIMATE ACTION	14 LIFE BELOW WATER	15 LIFE ON LAND	17 PARTNERSHIPS FOR THE GOALS



Towards a European Landscape Economy for a Sustain
 Telos Winter School Akdeniz University / February 16-25, 2024 Antalya, Turkiye

3 Main experiences the tourist will have after the new vision

Water scapes



Pastoral



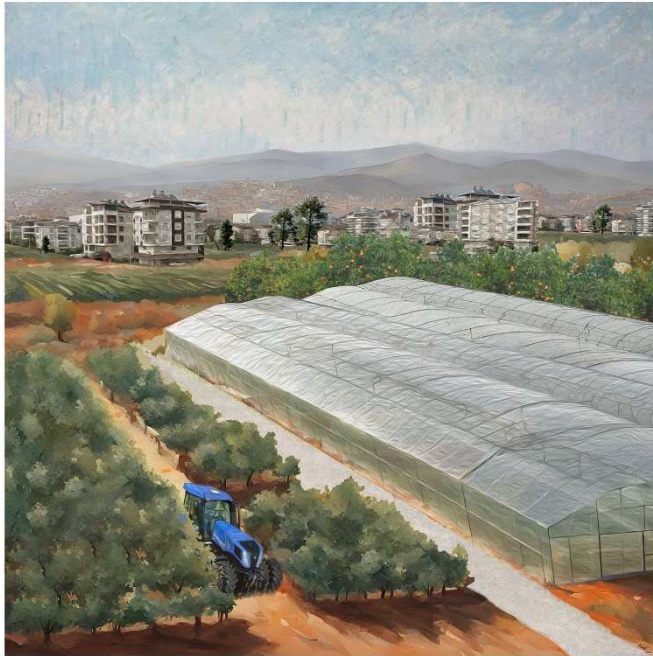
Agro-Tourism



Current situation



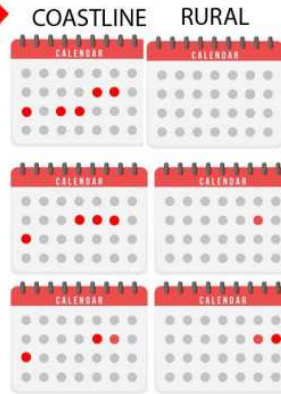
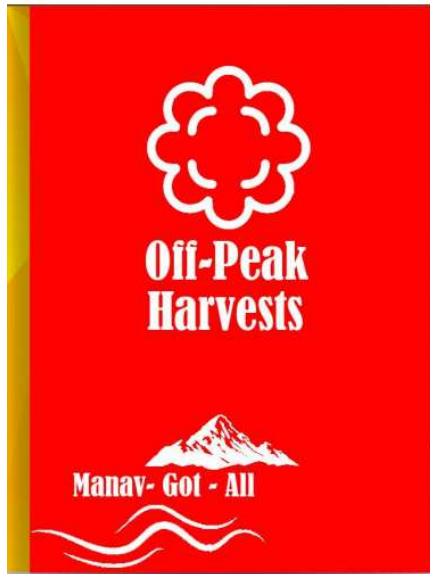
Regenerated greenhouses



Olive greenhouses



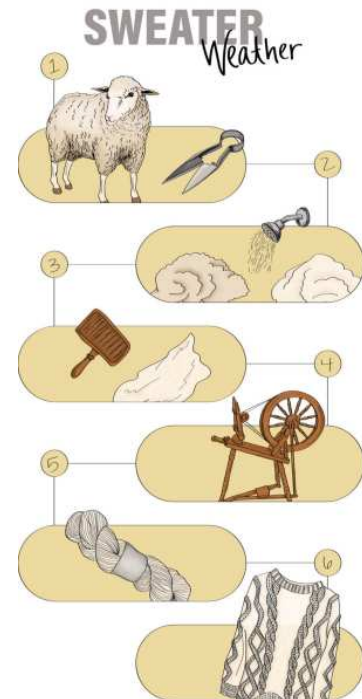
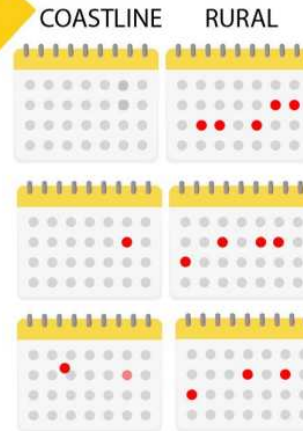
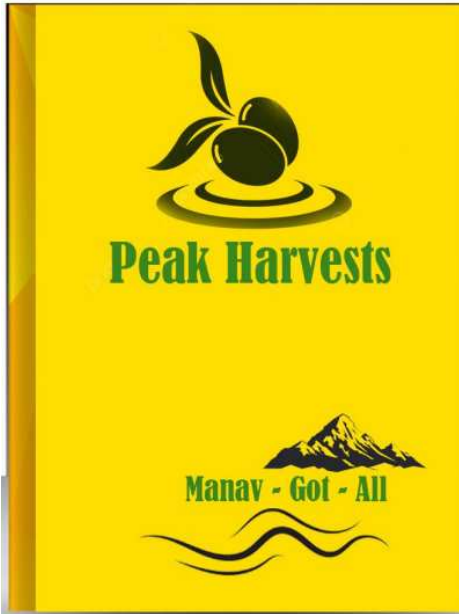
Sheep mountains



Nomadic way of life and stationery wintering spots



Sheeps and sheperds



The name of your (Social) Enterprise or charity or community based organization

MANAV_GOT_ALL: Stitch for today, weave for tomorrow

A social enterprise - An agency improving agriculture with rural landscape and connecting it with tourism sector in Manavgat

Vision: Manavgat as the First most sustainable agro-tourism destination

Mission: We establish a sustainable and mutually beneficial link between tourism and agriculture in Manavgat, by fostering meaningful interaction between visitor and local farmers, preserving agricultural tradition and promoting responsible tourism practices

<p>Key-Partners</p> <ul style="list-style-type: none"> Local farmers and agricultural co-operation Tourism Industry stakeholders Environmental organizations Educational institutions Tourism association Governing bodies 	<p>Key Processes</p> <ul style="list-style-type: none"> Local agricultural production and its revitalization Education, research and training Tour package designs 	<p>Value Proposition</p> <ul style="list-style-type: none"> Creation of a business network that connects farmers and tourists by benefitting all. Integration of agricultural tours in the existing tourist packages to raise awareness about rural landscape Exchange of knowledge between universities and farmers about the agricultural products Deal and promote the products to the tourism industry for stabilized income for farmers 	<p>Key-Products & -Services</p> <ul style="list-style-type: none"> Hospitality services Accommodation Educational workshops Agrotourism and cultural experiences Workshops and programs Agricultural products 	<p>Customers</p> <ul style="list-style-type: none"> Researchers Tourists/Travelers/Explorers Special interest groups National/International students Travel agency <p>Beneficiaries</p> <ul style="list-style-type: none"> Farmers Tourists Local residents Small businesses Tourists Educational institutes Small businesses Tourists agency
<p>Key Resources</p> <ul style="list-style-type: none"> Fertile agriculture land Water: Rivers, Dams People Tour packages Education programs for students Workshops for Farmers Advisory Governing body 			<p>Channels</p> <ul style="list-style-type: none"> Community outreach Social media Collaboration between different agencies Verbal advertisement 	

Cost-Driver: +Improving tourist trails and paths +Innovative transformation of Green houses + Staff education equipments +Increased value of small settlements and heritage sites +Agrotourism development houses

Revenue-Driver: +Agro-tourism experience +Accommodation and hospitality + Value added services +Product sales +Event hosting and venue rentals +Tourism packages and travel services

KPI (Key Performance Indicator):

+Number of visitors +Number of farmers involved in Agro-tourism +Income of local farmers +Amount of locally grown products +Customer satisfaction

Social & Environmental Impact / Impact on Beneficiaries

Social: Community engagement Increase in local engagement and skills Increase in Education and awareness Social inclusion

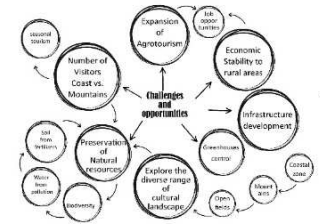
Environment: Natural resource management
Pollination
Ecosystem services



MANAV-GOT-ALL

Bahaa Bou Kalfouni, Georges Azar, Ines Francois, Janhavi Deshpande, Nur Sultan Karaman, Tracy Saliba

MANAV-GOT-ALL a business network in Antalya that connects farmers and tourists by benefiting everyone. This agency offers different agricultural packages and seasonal tours for tourists. That will be done through exchanging knowledge between universities and farmers about the agriculturally produced stuff and promoting these local products to the tourism industry for stabilized income for farmers.



The 2 EXTREMES



Current situation



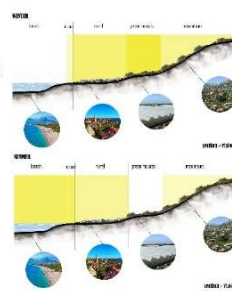
3 Main experiences the tourist will have after the new vision

Water scapes

Pastoral

Agro-Tourism

AFTER



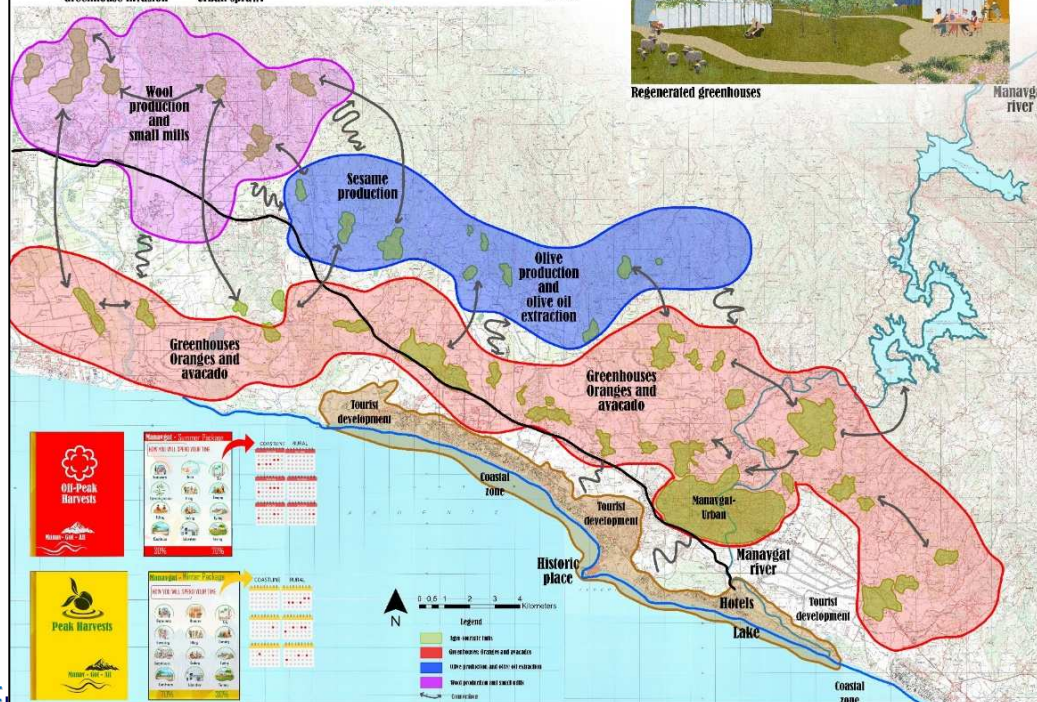
Sheep mountains



Olive greenhouses



Regenerated greenhouses



Product	Season	Price	Availability
Wool <td>Spring</td> <td>High</td> <td>Available</td>	Spring	High	Available
Sesame <td>Summer</td> <td>Medium</td> <td>Available</td>	Summer	Medium	Available
Olive <td>Autumn</td> <td>High</td> <td>Available</td>	Autumn	High	Available
Oranges <td>Winter</td> <td>Medium</td> <td>Available</td>	Winter	Medium	Available
Avacados <td>Spring</td> <td>High</td> <td>Available</td>	Spring	High	Available

New Nomad Kervan: An innovative approach to cultural heritage preservation

Alexis GAZEL
Harrison WADE
Emilija STOJCHEVA
Havva Ozlem ÇELMELİ
Evelina SAVELEVA

Supervisors:
Magdalena REMBEZA





GROUP 4 - New Nomad Kervan



Alexis GAZEL



Emilija STOJCHEVA



Evelina SAVELEVA



Harrison WADE



Havva Özlem ÇELMELİ



Connecting the cultural landscape

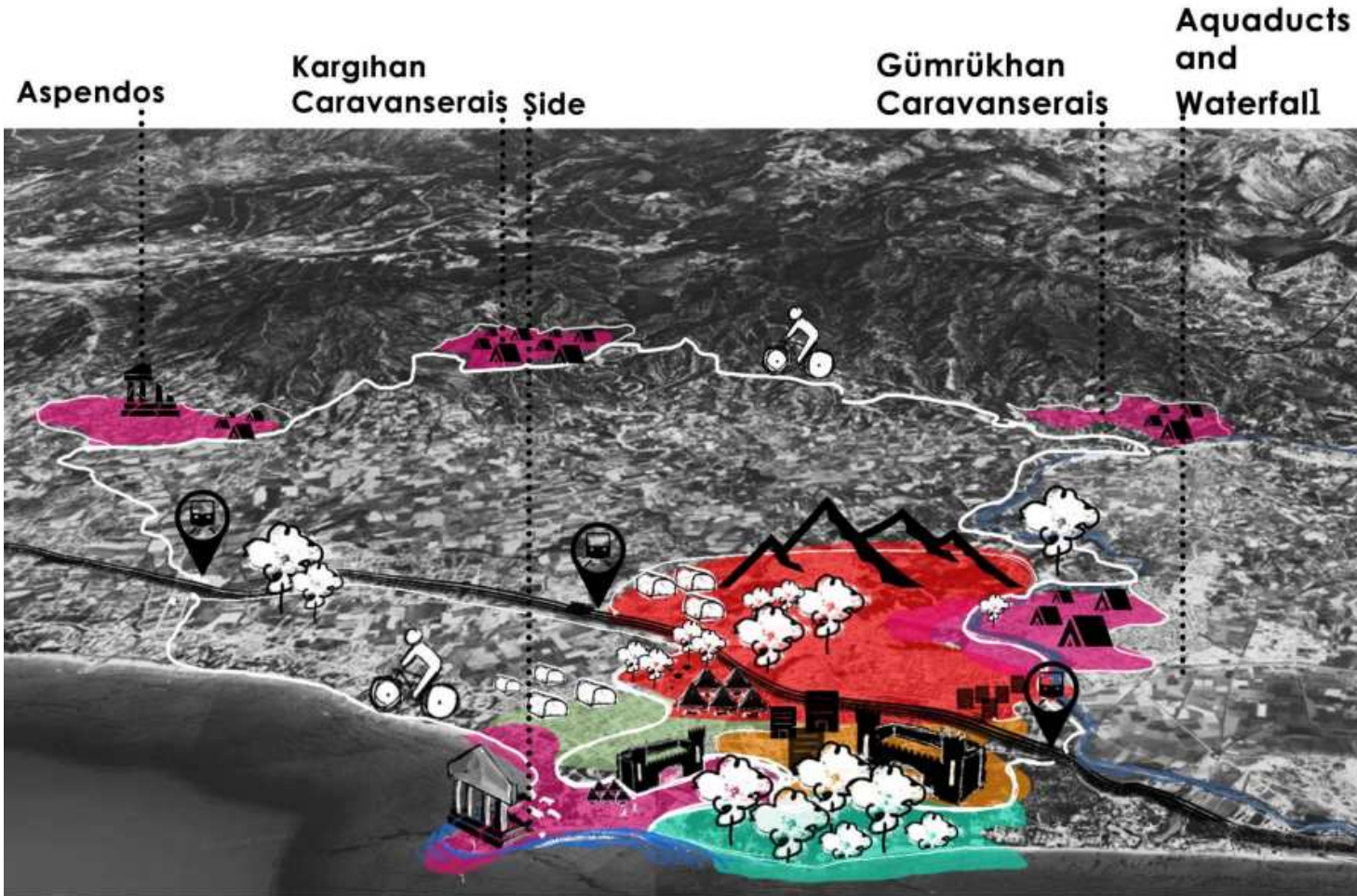
New Nomad Kervan:

An innovative approach to cultural heritage preservation

- Caravansaries, were roadside inns strategically positioned along major trade routes, such as the ancient Silk Road. Symbolizing Turkish hospitality, they offered shelter, sustenance, and solace to those traversing the pathways of time.
- In the embrace of the New Nomad Kervan, travelers find more than shelter and sustenance; they discover a sanctuary for the soul, where the stories of the ancients intertwine with the dreams of tomorrow. In the proposed initiative is to revive and contribute to Manavgat's future landscape economy through the preservation and enhancement of cultural heritage sites, caravanserais, mountain camping areas, and the Side amphitheatre, and also support the nomad culture.
- New Nomad Kervan, An innovative approach to cultural heritage preservation not only preserves the region's rich heritage but also stimulates economic growth through tourism revenues, local artisanal markets, and cultural events. Emphasising community engagement and heritage conservation will ensure that these sites continue to enrich both the local identity and the global appeal of Manavgat in the future.



New Nomad Kervan



Connecting the cultural landscape

- Historical Heritage Site
- Protected Forest Area
- Greenhouses
- Fire Demolished Forests
- Urban City

Manavgat River Regional Park

Malavika Mohan DAS
Hüseyin ERTEN
Fabrizio ALBION
Justyna WASILEWSKA
Elif Nur ULU
Büşra GÖKÜZ

Supervisors:
Ellen FETZER
Veli ORTACESME



GROUP 5 - The Regional Manavgat River Park



Büşra GÖKÜZ



Elif Nur ULU



Fabrizio ALBION



Hüseyin ERTEN



Justyna WASILEWSKA



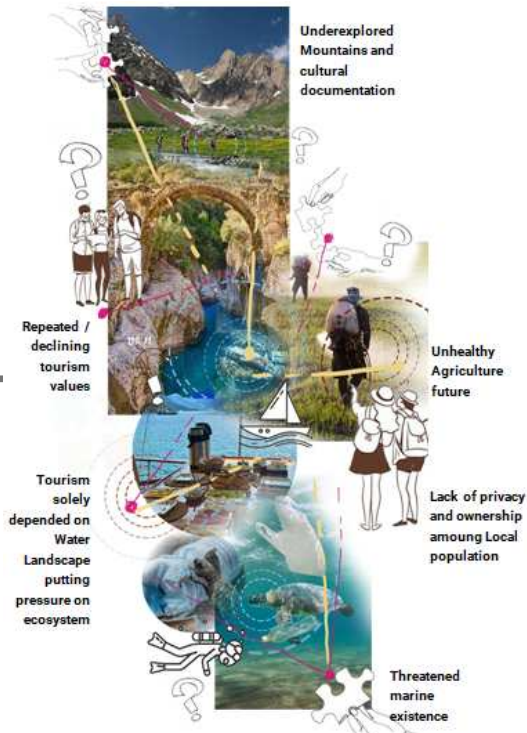
Malavika Mohan Das



THE
MAVI
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VISIONARY
GATHERING
ASSOCIATION

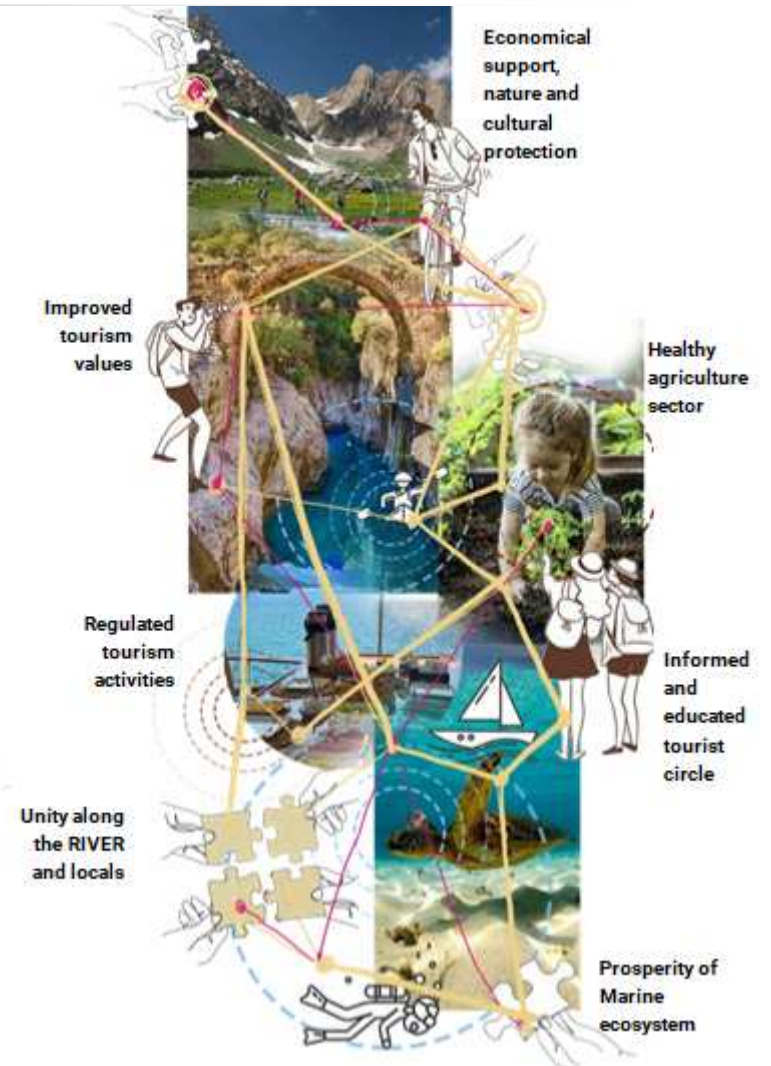
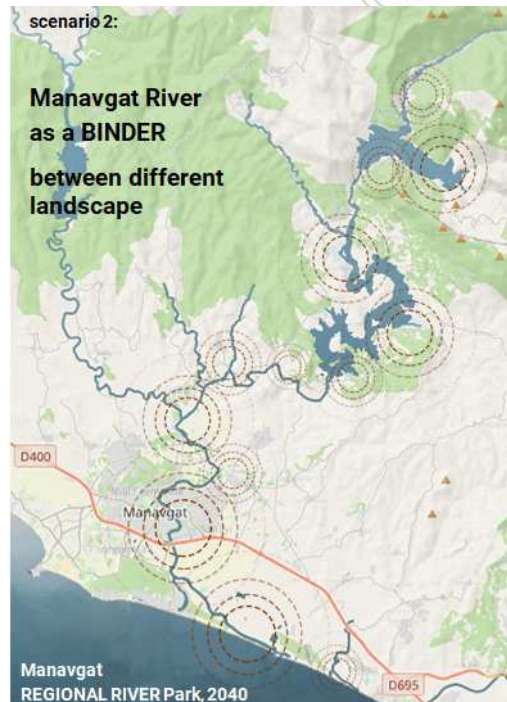
The Regional Manavgat River Park

- “The MaNaVGat (MAvi NATurel Visionary GAThering) Association” is to create a regenerative regional River Park, to secure the future of Manavgat River.
- Located between the urban green parks, agriculture fields, forest and residential community, the zoning comprises of cycling path, pedestrian corridors, gathering points, organic garden beds and a water flow-regulated friendly swimming area.
- Considering the significant customers and beneficiaries, the platform co-operates and coordinates across various stakeholders and raises awareness among students and responsible tourists.
- Establishment of the Association is planned in 2024 with the Triathlon competition explores the diverse landscape experiences, in collaboration with “SULAC PARK”, “Manavgat HabiTAT” and the “New Nomad Kervansaray” organisations. The active stakeholder collaboration and workshops aim for the integrated master plan for the Regional River Landscape, 2027. The value proposition of the association will focus on planning innovative strategies and rebranding the ecological values along with scientific research. By 2040, the Association will drive the feedback loop and further project funding. Raising the river values, the project will benefit various sectors.

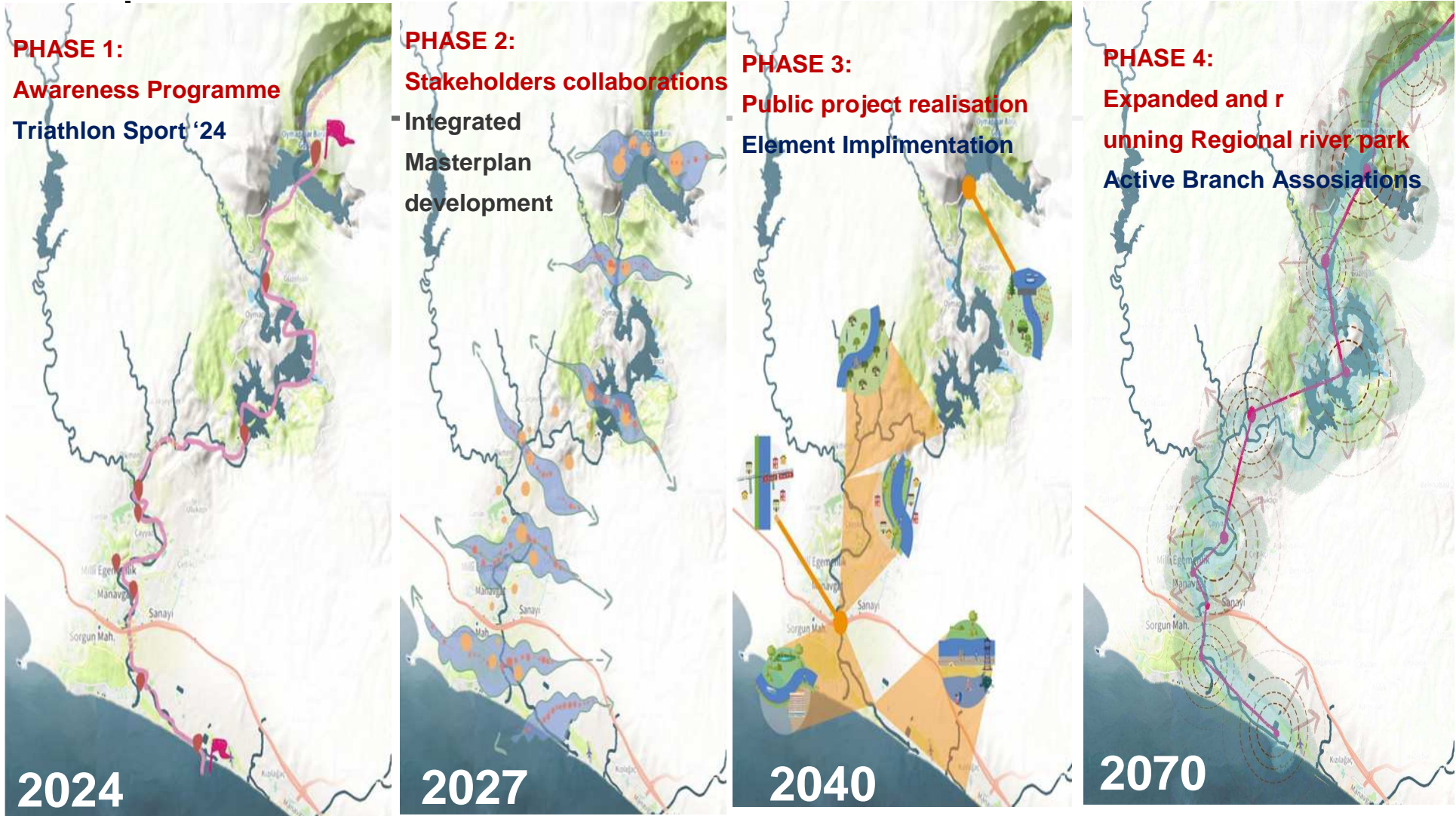


THE
MA VI
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ASSOCIATION

THE
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The Regional Manavgat River Park

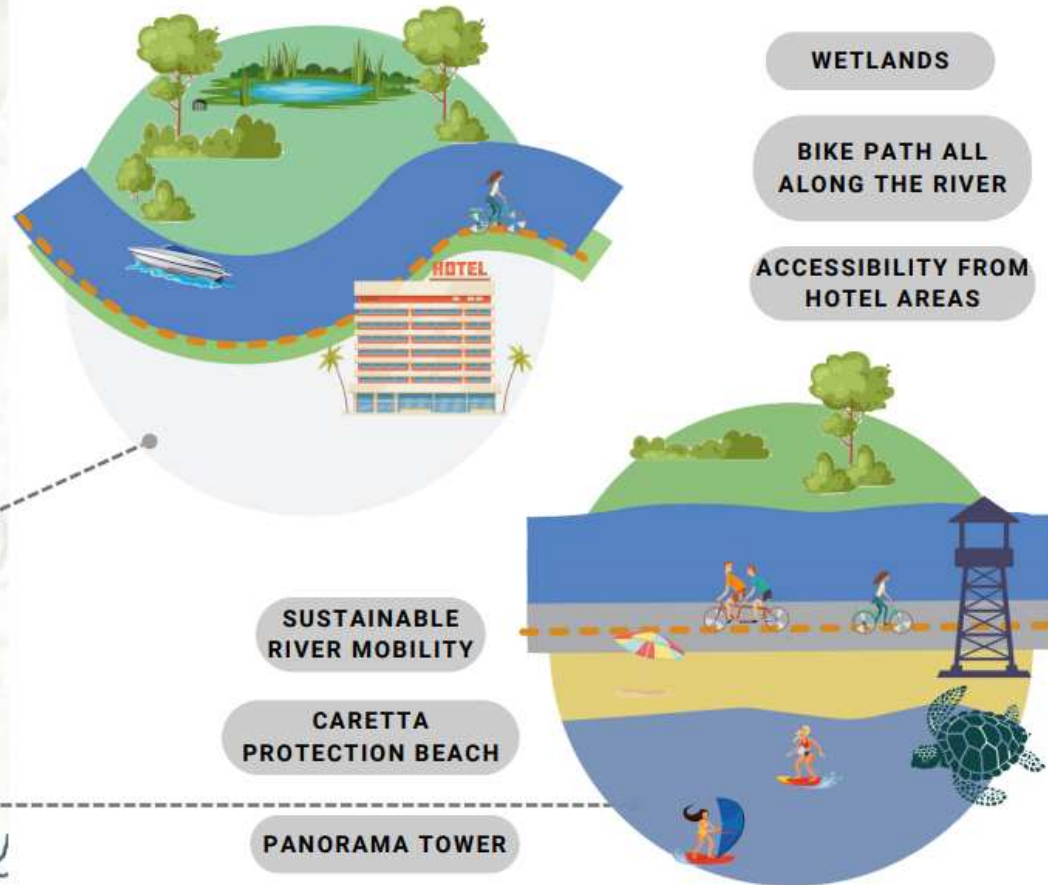




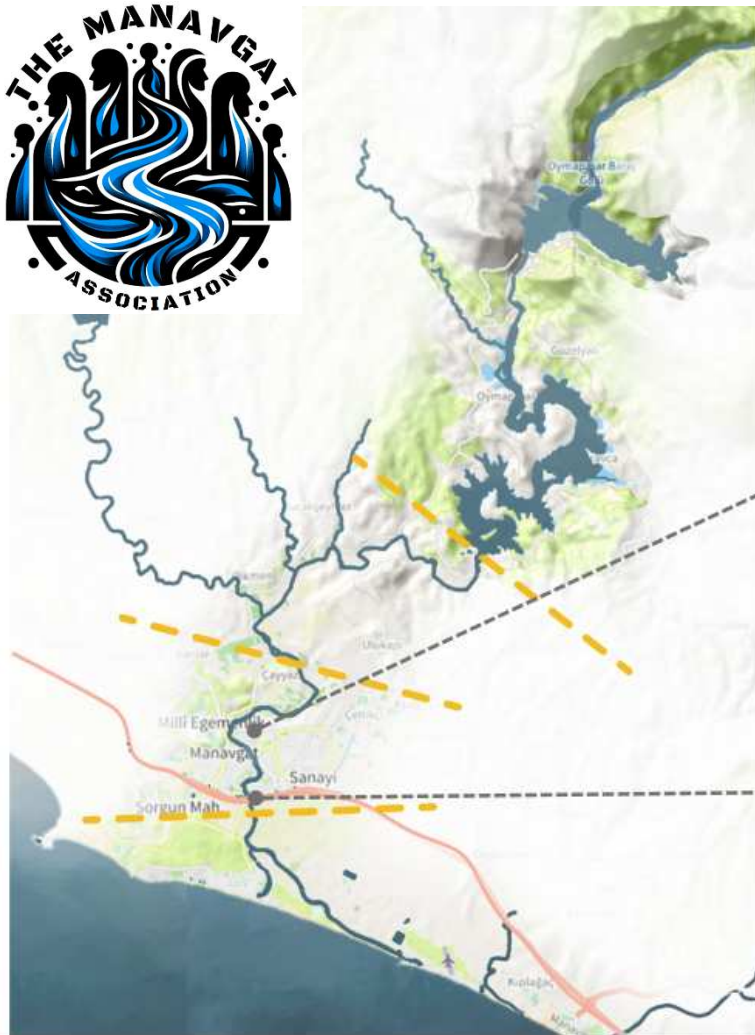
The Regional Manavgat River Park



SPATIAL VISION DESIGN PROTOTYPES



The Regional Manavgat River Park



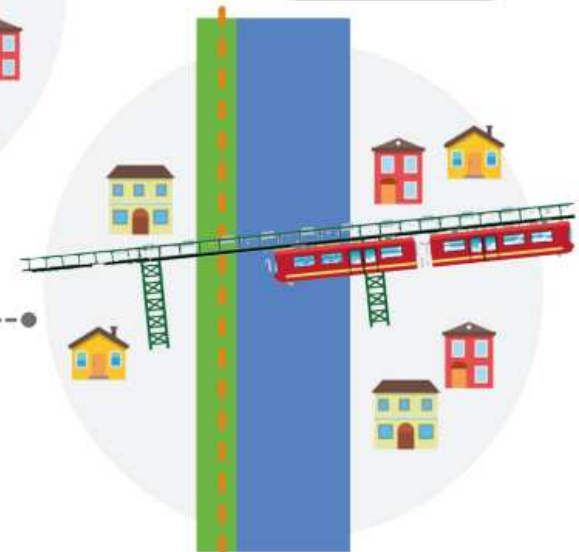
SPATIAL VISION DESIGN PROTOTYPES



GREEN RIVER PARKS

WATER CHANNELS

BIKE PATH ALL ALONG THE RIVER



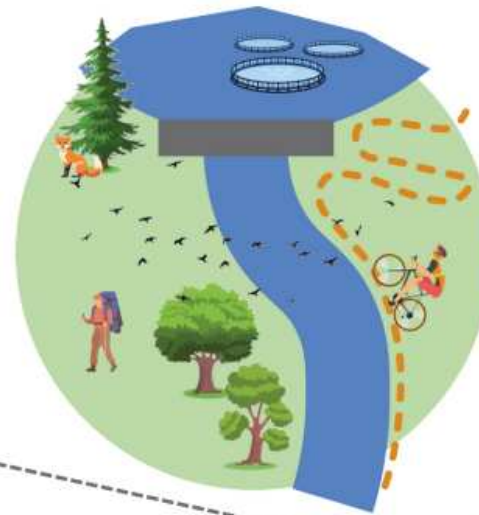
COOLER AIR IN THE CITY

CARETTA TRAINLINE

The Regional Manavgat River Park



SPATIAL VISION DESIGN PROTOTYPES



AQUACULTURE

HIKING TOURS

BIKE PATH ALL
ALONG THE RIVER

BIODIVERSITY



SUSTAINABLE
AGRICULTURE

LOCAL PRODUCTS



The Ma Na V Gat Association (The Mavi Natural Visionary Gathering Association)

Vision and Mission Statement

Vision: A structured organization with diverse stakeholders for the governance of Manavgat river promoting sustainable development and enhancing economic prosperity.

Mission: Foster collaboration, inclusivity and stewardship, protect and restore ecosystem, empower communities, promote education and awareness, drive regeneration

Manavgat River Park - Business Canvas

<p>Key-Partners</p> <ul style="list-style-type: none"> • Civil society organisation (grassroot /community lead groups) • Financial partners: <ul style="list-style-type: none"> → Banks, investment funds → Local business active at River basin. → International organisation. • Researchers, experts from; <ul style="list-style-type: none"> → Agriculture → Environment → Economics → Urban planning → Govt: agencies • Public authority 	<p>Key Processes</p> <ul style="list-style-type: none"> • Marketing- strategic planning • Decision making • Environmental monitory research • Regulatory enforcement • Consensus building • Evaluation, feedbacks, adaptive management • Process management 	<p>Value Proposition</p> <ul style="list-style-type: none"> • A collective platform • To manage the river Council • Support co-operation co-ordination between diverse departments stakeholders • Access to funding • Enhanced Brand reputation of River Landscape • Innovation, Adaptation, Knowledge exchange • Cultural preservation 	<p>Key-Products & -Services</p> <ul style="list-style-type: none"> • Stakeholder workshops • Policy development agencies • Eco-tourism packages • EIA (Environmental impact Assessments) • Capacity building programmes for sustainable practices and maintenance • Advisory consultation services • Community lead Eco-system Restoration project. 	<p>Customers</p> <ul style="list-style-type: none"> • Local communities • Tourists /visitors • Agriculture sector • Environmental NGOs. • Govt: Agencies • Indigenous Communities • Service industry • Local administration 	
	<p>Key Resources</p> <ul style="list-style-type: none"> • Human Resources: from various expert organisation • Finance <ul style="list-style-type: none"> → Research funding → Grants, sponsorship • Revenue <ul style="list-style-type: none"> → Eco-Tourism → Consultation services → Training programmes → Private companies 		<p>Channels</p> <ul style="list-style-type: none"> • Online platforms - international audiences' experts • NGO partnership programmes with Govt. • Eco-tourism events by Tour agencies a operators • Media a communication channel • Collaborative research with Educational Institutions. • Local public events and citizen science projects/ initiatives • Local newspaper 	<p>Beneficiaries</p> <ul style="list-style-type: none"> • Academic Institutions • Wildlife eco systems • Future generations • Local business and Entrepreneurs • Local communities 	
<p>Cost-Driver</p> <ul style="list-style-type: none"> • Human Resources (staff, benefits, training) • Infrastructure and Equipment (tools, office, lax, data management) • Project implementation • Consulting Professional service 			<p>Revenue-Driver</p> <ul style="list-style-type: none"> • Value added products (Platform) • Commercials • Certification and Accreditation programs • Tax for eco-tourism beneficiaries • Commercials and marketing (Brand value) 		
<p>Customer & Beneficiary Input</p> <ul style="list-style-type: none"> • Feedback and insights → responsive to needs • Resource mobilisation → Volunteerism and expertise • Traditional knowledge, cultural practices → sharing • Monitoring the effectiveness of interventions assessment 			<p>KPI (Key Performance Indicator)</p> <ul style="list-style-type: none"> • No of a Sustainable River based activities with diverse stakeholder participation - PARTICIPATION • Revenue generated along river basin (tours, business, products) - FINANCE • Results from EIA and constant monitoring of aqua life and water quality - BIODIVERSITY 		
<p>Social & Environmental Impact / Impact on Beneficiaries</p> <ul style="list-style-type: none"> • Restored Ecosystem - Wetlands, riparian habitats, enhancing resilience • Water quality improvement - Reduced agriculture contamination, industrial /greenhouse discharge urban pollution • Clean drinking water access - for communities • Natural resource management - forest, sail, water → Landscape planning, conservation projects, community management. • Climate resilience against food and drought 					<ul style="list-style-type: none"> • Improved livelihoods • Well being • Empowerment participation • Cultural preservation and promotion.

TE



THE MANAVGAT NATURAL VISIONARY GATHERING ASSOCIATION



The Regional Manavgat River Park Poster

THE REGIONAL MANAVGAT RIVER PARK

Büşra Göküz, Elif Nur Ulu, Fabrizio Albion, Hüseyin Erten, Justyna Wasilewska, Malavika Mohan Das

THE MANAVGAT RIVER

The Manavgat River is a picturesque waterway flowing through southern Turkey. Originating in the Taurus Mountains, it meanders for about 75 kilometers before emptying into the Mediterranean Sea near the town of Side. The river is renowned for its turquoise waters and lush surroundings, making it a popular destination.

VISION

A regenerating regional River Park that utilise and unites diverse river landscape of Manavgat.

MISSION

A structured organisation with diverse stakeholders for the governance of Manavgat River promoting sustainable development and enhancing economic prosperity. To Foster collaboration, inclusivity, and stewardship protect and restore ecosystem, empower communities, promote education and awareness, drive regeneration.

2024 TRIATHLON COMPETITION

2027 STAKEHOLDERS COLLABORATIONS

WORST SCENARIO

BEST SCENARIO

TIME-LINE

COLLABORATION OF ASSOCIATIONS

The aim for work is that collaborating existing and potential associations to create a continuous preserving and development systems which is getting support from locals, tourists and government organs.

RIVER CENTER
A MEETING PLACE FOR ALL THE LOCAL STAKEHOLDERS

PROTOTYPE 1
Support for local environmental entrepreneurs

PROTOTYPE 2
New terraces for locals

PROTOTYPE 3
Cattle Feeding

PROTOTYPE 4
Local park in the city

PROTOTYPE 5
Sustainable Agriculture

PROTOTYPE 6
Fishing and lake park all along the river

ZONING PLAN OF THE AREA

THE REGIONAL RIVER MANAVGAT PARK

VISUALISATION

SULAC Park Circular & Regenerative Water Landscapes

Ahmet Alperen DIKICI
Anahita NAJAFI
Caroline DE VRIES
Deniz İNCESU
Karem ZAMBRANO
Valentina POPA

Supervisors:
Ellen FETZER



GROUP 6 - SULAC Park / Circular & Regenerative Water Landscapes



Ahmet Alperen DİKICI



Anahita NAJAFI



Caroline DE VRIES



Deniz İNCESU



Karem ZAMBRANO



Valentina POPA

VISION & GOALS

SULAC Park Circular & Regenerative Water Landscapes



SULAC Park is a non-profit organization that manages & coordinates ecological and cultural development for the park that connects Manavgat River to the sea, for regenerative water & biodiversity & public open space for social & touristic amenities as well as climate change adaptation & restoration.

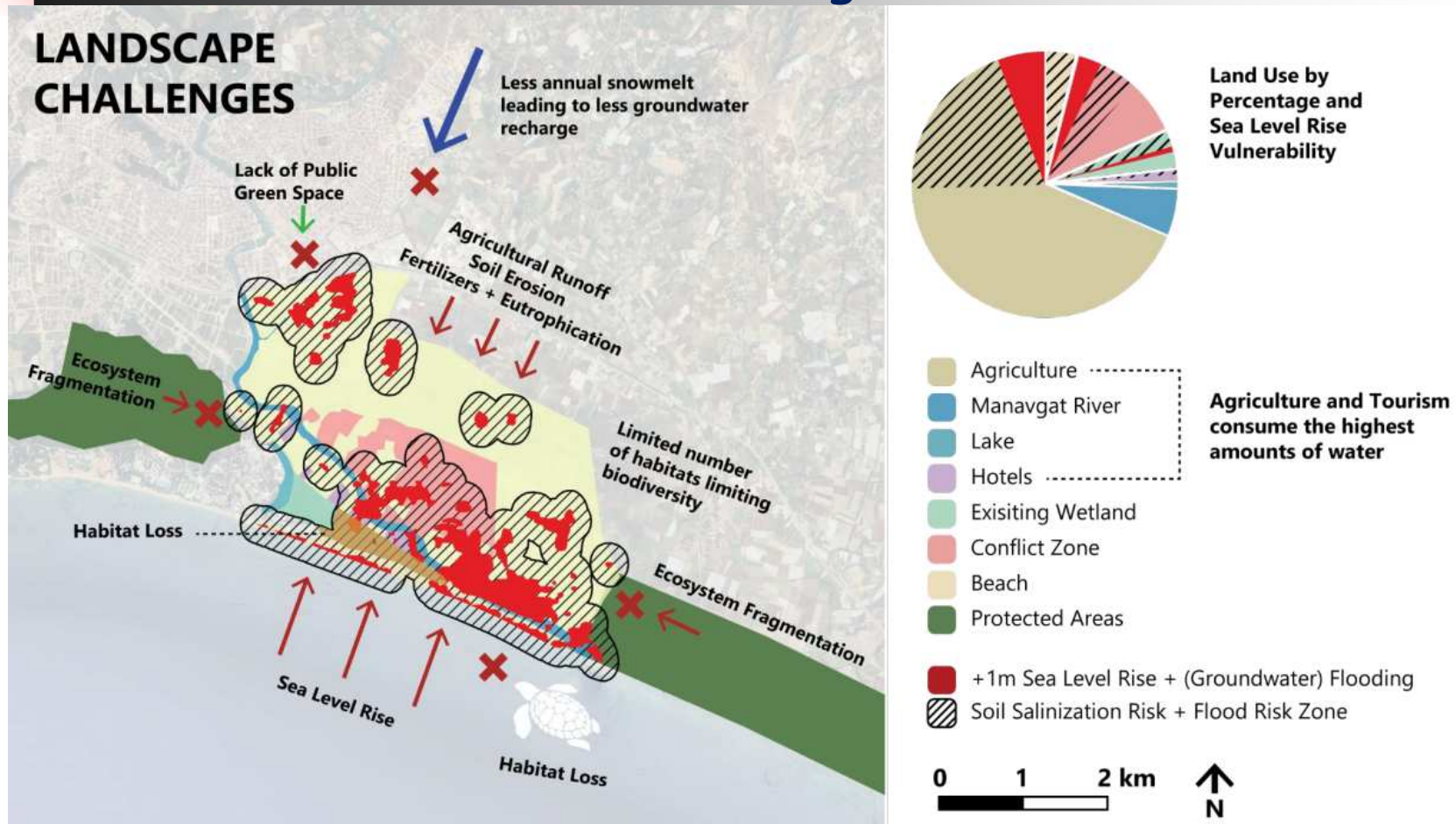


SULAC Park Circular & Regenerative Water Landscapes

- * SULAC Park embodies the symbiotic relationship between water, agriculture, public green spaces, ecosystem services, enriched ecosystem and enhanced biodiversity, climate adaptation, and ecotourism by connecting the river to the sea and the coastline.
- * The vision of SULAC Park is based on the promotion of sustainable water management, enhancement of biodiversity and ecosystems, strengthen agricultural sustainability, mitigate climate change and enhance resilience, facilitate community engagement, foster social inclusivity and equity, protect life below water and land.
- * Primary goal is to protect water resources, as a vital ecosystem component, implementing an advanced water recycling systems.
- * To SULAC Park will introduce native plant species and create habitats for local wildlife, thus becoming a sanctuary for biodiversity. This strategy aligns with our vision to create an ecological haven that serves both the needs of nature and the well-being of our community.
- * SULAC Park's strategy is to create a collaborative ecosystem that integrates sustainable water management, supports agricultural practices with recycled water, expands green spaces with native flora, enhances vital ecosystem services, adapts to climate change through innovative design, and fosters eco-tourism to promote environmental stewardship and economic sustainability.

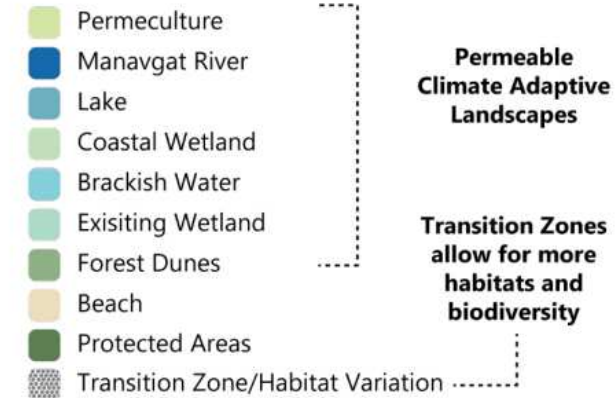
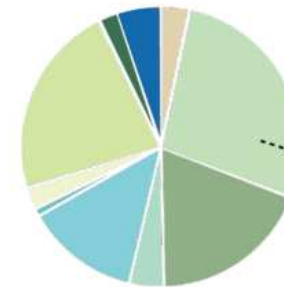
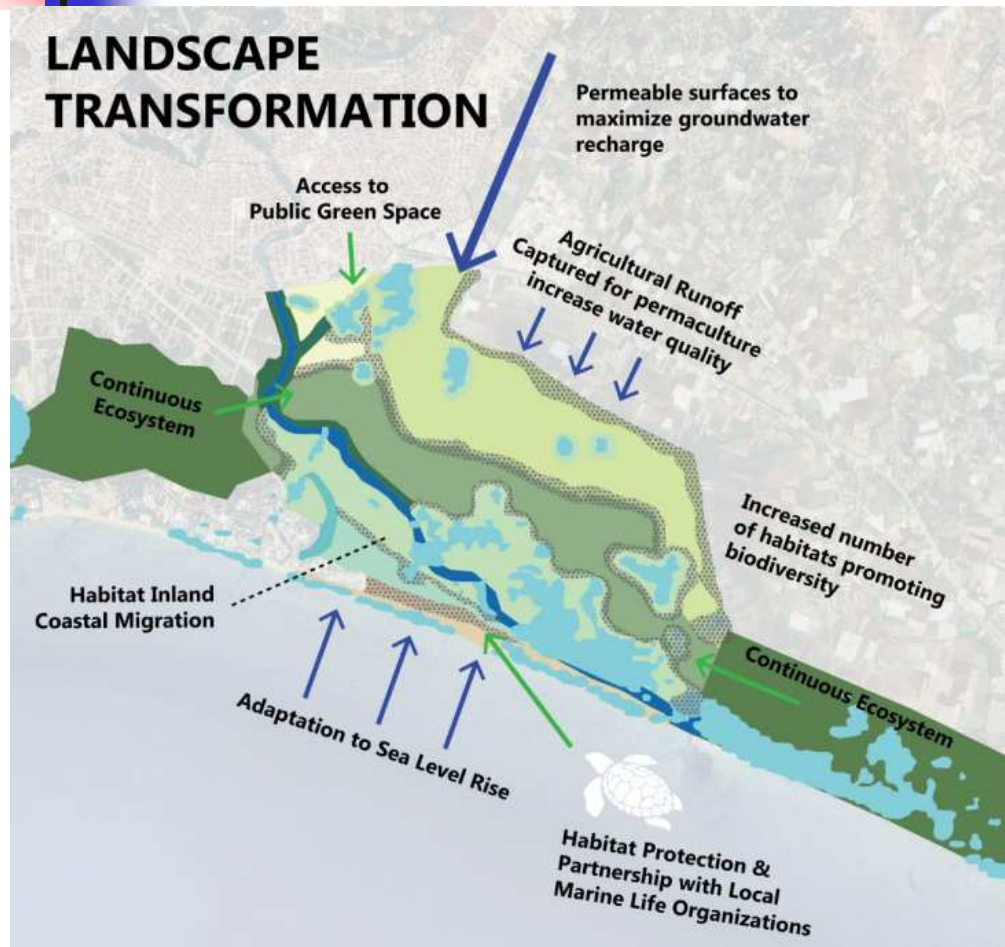


SULAC Park Circular & Regenerative Water Landscapes

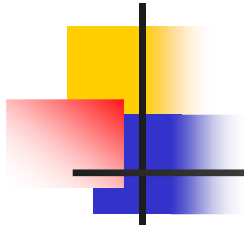




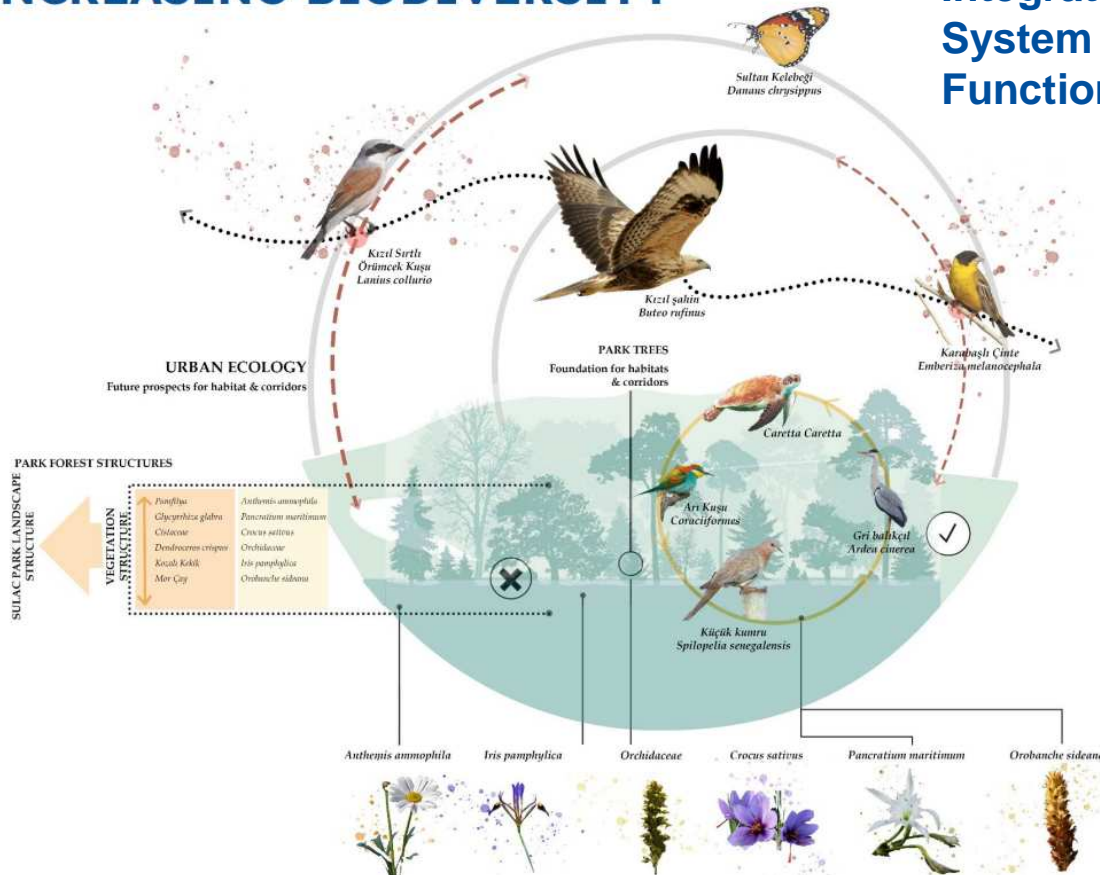
SULAC Park Circular & Regenerative Water Landscapes



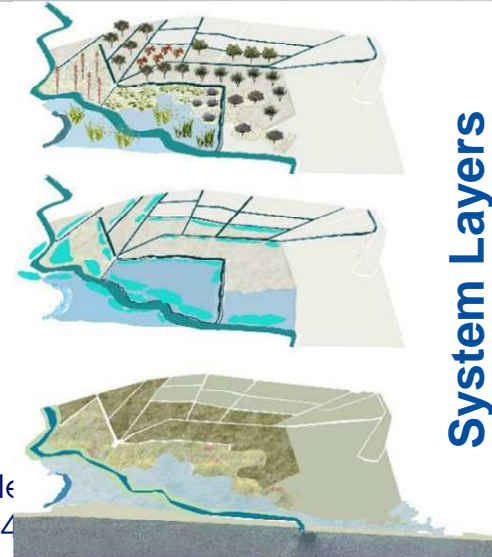
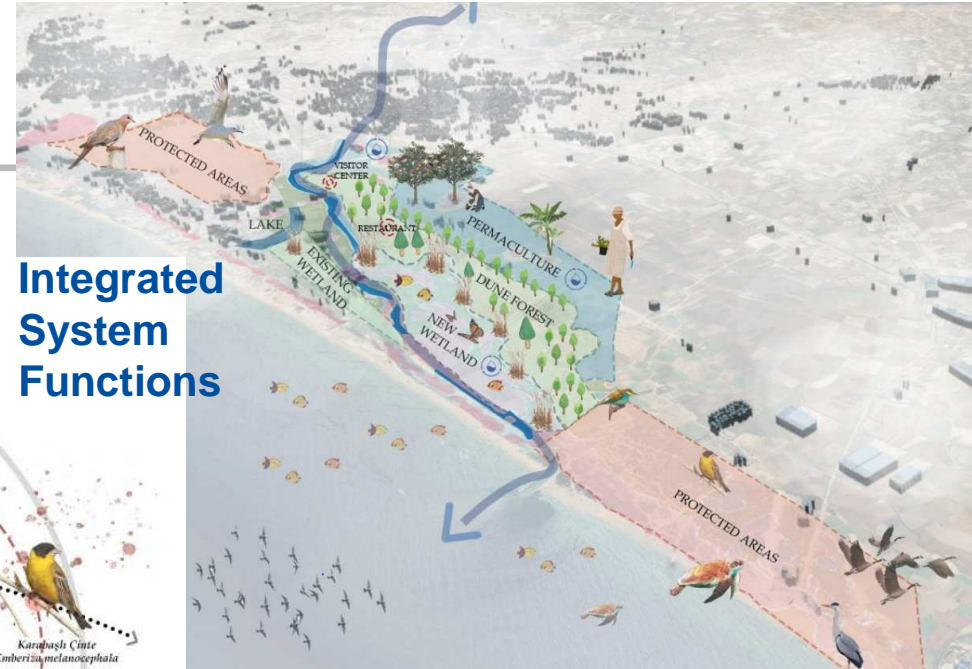
SULAC Park Circular & Regenerative Water Landscapes



INCREASING BIODIVERSITY



Integrated System Functions



System Layers

- Chaste tree
- Olives
- Lavande
- Orobanchae sidana
- Cyprus turpentine
- Myrtle
- Algae
- Channels
- Rain gardens
- Permaculture
- Dunes
- Wetlands

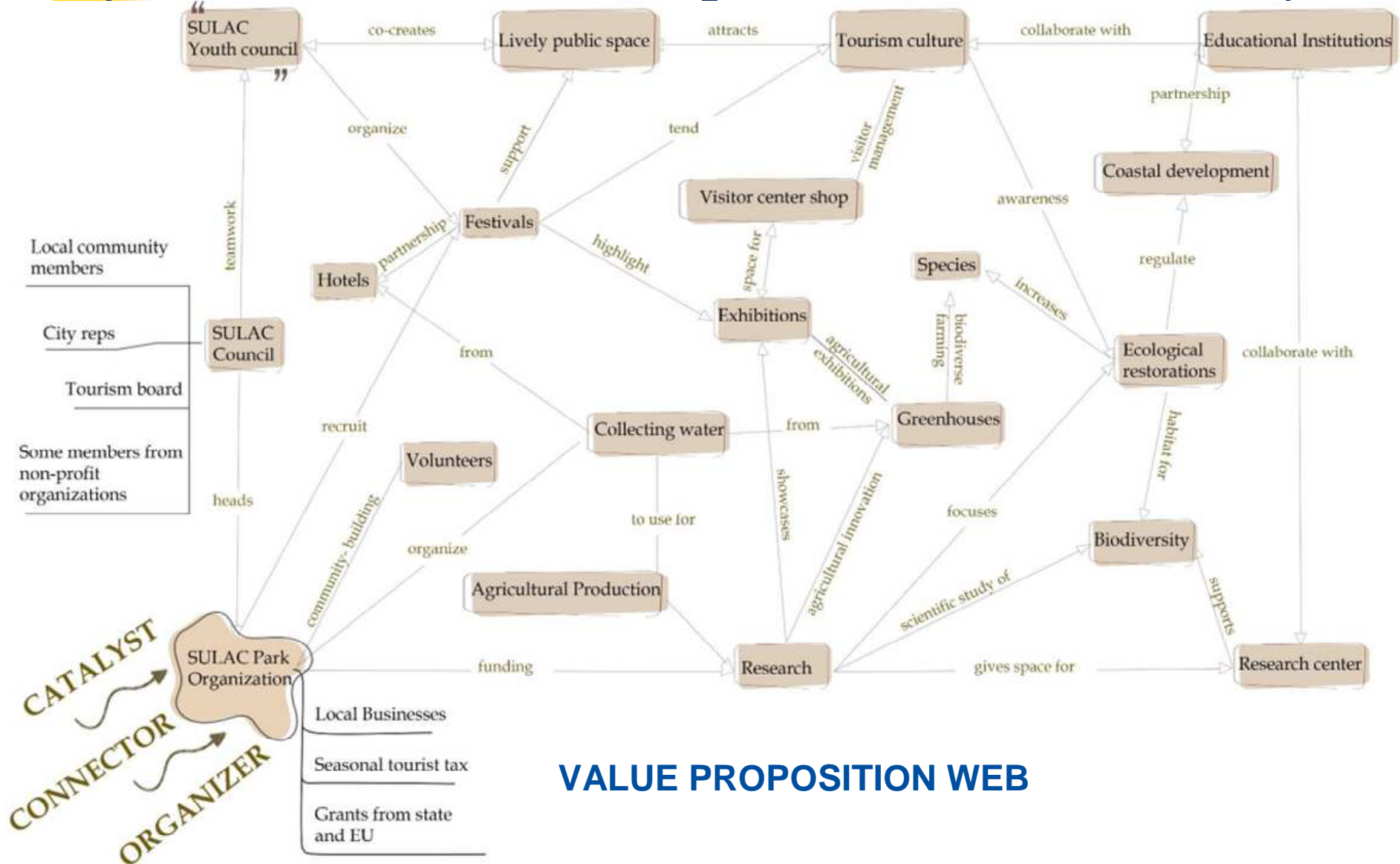


SULAC Park Circular & Regenerative Water Landscapes

Mission Statement SULAC Park is a non-profit organization that manages & coordinates ecological and cultural development for the park that connects Manavgat River to the sea, for regenerative water & biodiversity & public open space for social & touristic amenities as well as climate change adaptation & restoration				
Key-Partners Comes together in the council: city reps, tourism board, local community members, local organizations, some members from non-profit Additionally: sponsorships, municipalities local communities cultural heritage organizations Private donors, funding agencies, universities & schools, sports groups lenders	Key Processes Exhibition of local crops Research center, visiting researchers Participatory, design processes	Value Proposition We offer a nonprofit organization for the well-organized coordination so that all can bring together Design a system of green water park /	Key-Products & -Services museum land visitors center -research centers workshop area tulip festival Seasonal festivals mountain to sea triathlon habitat restoration researchers and volunteers permaculture+ community garden sports	Customers Customers locals intergenerational space tourists who want to see natural beauty social gathering dog walking places ecology running Sports/recreational groups triathlon regenerative biodiversity-nature groups eco-tourists Beneficiaries Species and biodiversity Regenerative agriculture Cultural groups, musicians, annual festival Festival 23. April children day tourist tax (seasonal?) - visitor center shop partnership -
	Key Resources Ecological values & watercycles Ecosystem services, wetlands biodiversity volunteers + members land Funding from state & EU Water, crowdfunding Local funding from city, citizens who want more space for city		Channels Website, newsletters, promo videos membership educational / School outreach program / Social media, tourism agencies / Hotels packages	
Cost-Driver Buying land / developing and designing park / garden supplies and maintenance system, seeds Visitor center and museum marketing, website, etc. / Restaurants / Building maintenance / Salaries / Water infrastructure		Revenue-Driver Festivals / Sponsorships / Membership and donations / Grants from state and EU / Public funding base funding biodiversity / Tourist tax (seasonal) / Visitor center shop / Partnership / Researchers		
Customer & Beneficiary Input Non-profit / Council, working groups, youth council / Member-based hotel partnerships		KPI (Key Performance Indikator) # of annual visitors of users / # of positive reviews. / # of species present / Comparing soil quality / Reduction of maintenance costs with company advertisements / # school visits / # membership/ water quality / area of ecosystems / etc		
Social & Environmental Impact / Impact on Beneficiaries Collecting water / Seasonal events calendar / Different ways of the using water increase the vegetation, species on the coastal line / Endemic plants / Encourage social interaction & public health / Climate-adaptive coastal development / Lively & dynamic public space				
		Climate change adaptation & risk mitigation open space Park for locals & tourists with water cycling regenerative 293		

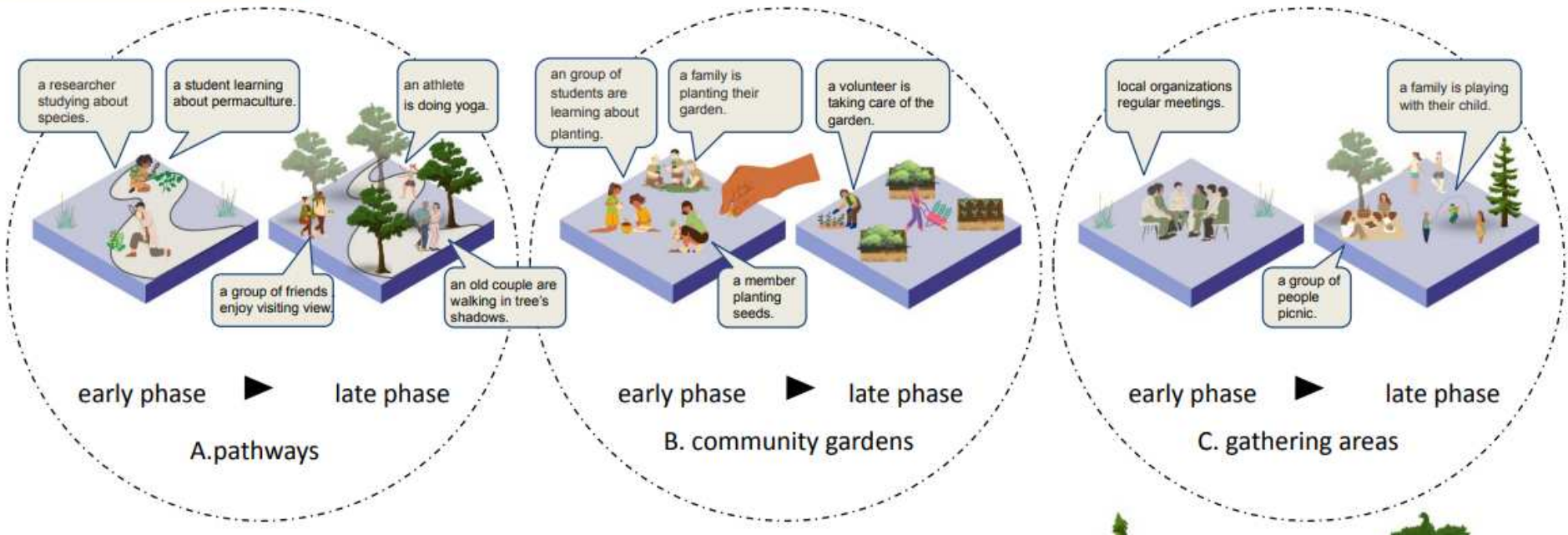
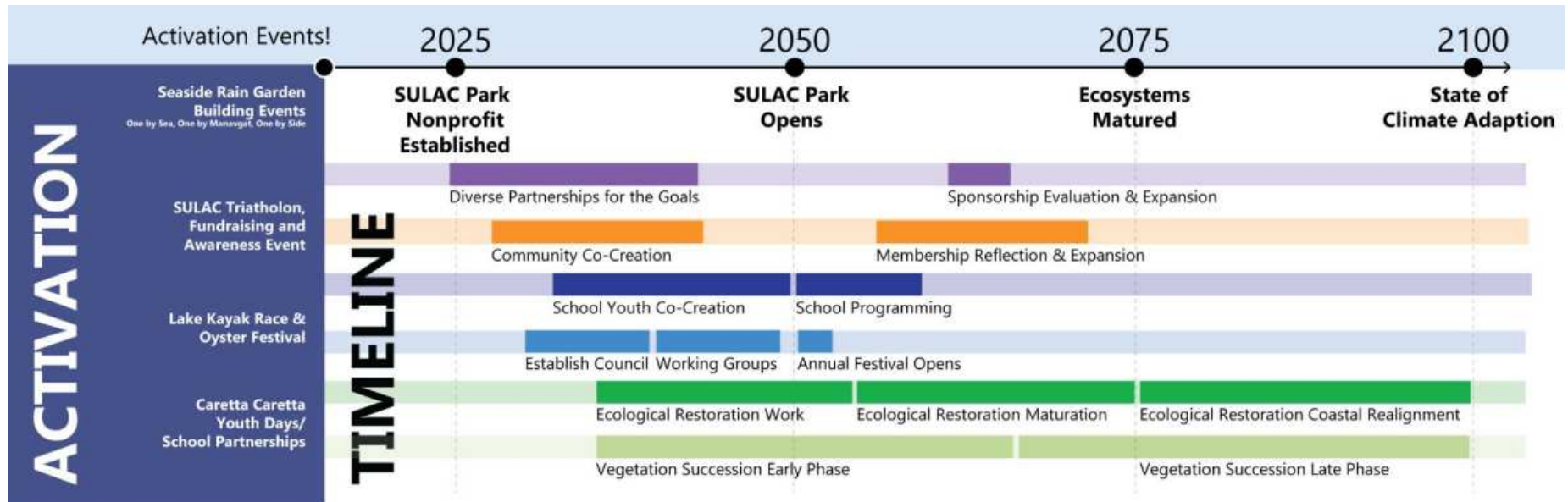


SULAC Park Circular & Regenerative Water Landscapes

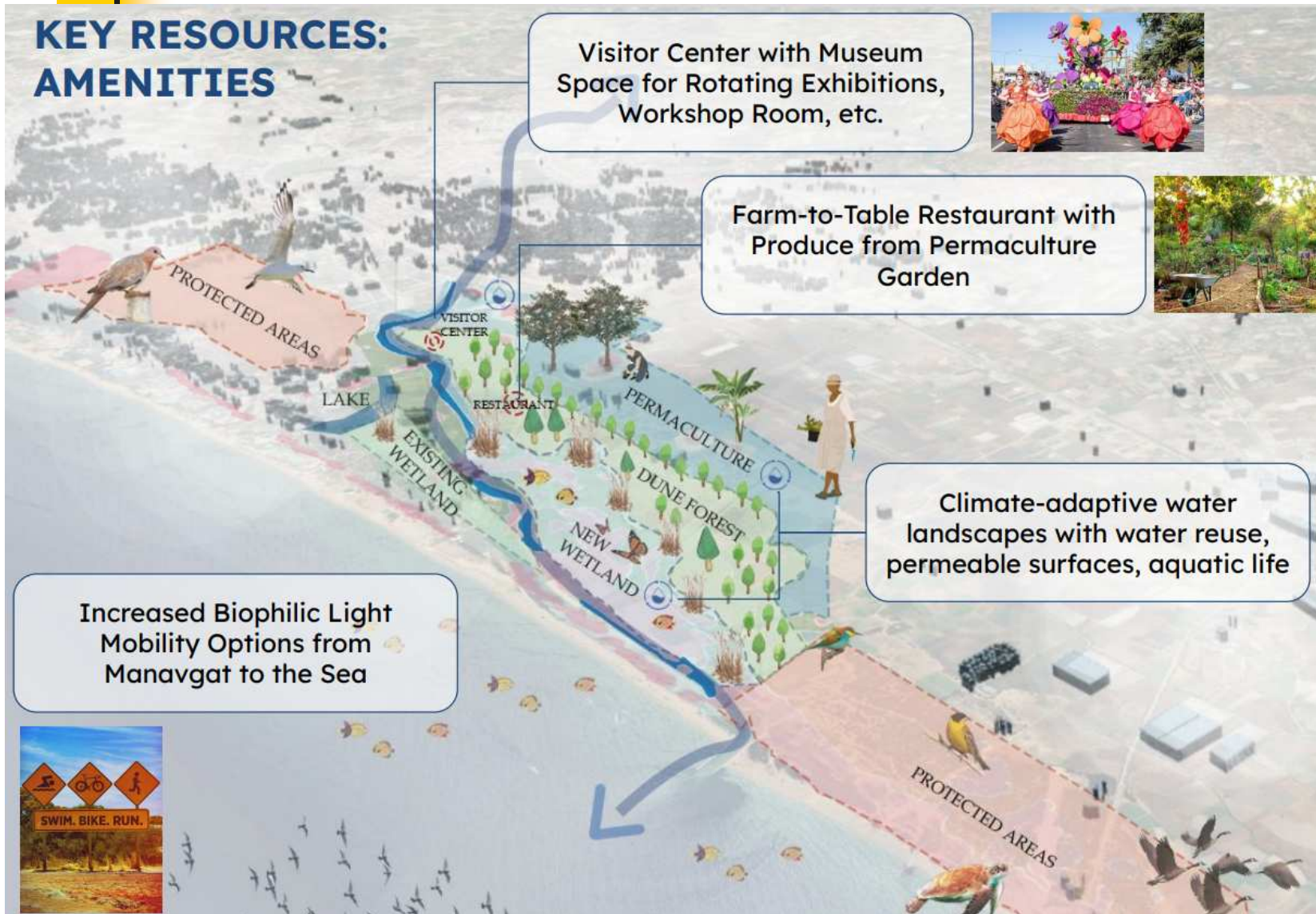




Timeline for Transformation SULAC PARK



SULAC Park Circular & Regenerative Water Landscapes





SULAC Park

Key Performance Indicators

ECOLOGICAL

- # of species present
- # of protected species
- kg of fertilizers avoided
- # of CO2 emissions sequestered
- kg of permaculture produce produced

WATER MANAGEMENT

- # of water filtered
- # of fertilizers in water reduction
- level of soil quality (for water-storage capacity)
- cubic liters of water stored per ecosystem type
- # of aquatic species present

SOCIAL

- # of annual memberships
- # of social and cultural programming held annually
- # of annual visitors
- # of community engagement and co-creation events

EDUCATIONAL

- # of annual school visits
- # of school outreach events
- # of youth workshops held
- # of adult workshops/classes held
- # of outdoor informational signage in multiple languages

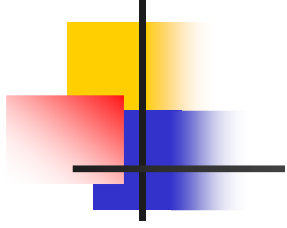
ECONOMICAL

- # of sponsorship received
- # of EU and regional grants won
- # of revenue from restaurant
- # of reduction of maintenance costs with company advertisements

COMMUNITY REINVESTMENT

- # of scholarships provided to youth students in sustainability
- # of community partnership campaigns helped coordinate
- # of impact investing initiatives





SULAC Park

Circular & Regenerative Water Landscapes

Ahmet Alperen Dikici, Anahita Najafi, Caroline de Vries, Deniz Incesu, Karem Zambrano, Valentina Popa

LANDSCAPE CHALLENGES

- Less annual snowmelt leading to less groundwater recharge
- Agricultural Runoff
- Fragmentation
- Limited number of habitats limiting biodiversity
- Sea Level Rise
- Loss of Habitat

VISION & GOALS

DPSIR

PROCESSES

STRUCTURE

ACTIVATION TIMELINE

Activation Target	2025	2030	2035	2100
SULAC Park Design & Construction	Start	Start	Start	Start
Community Engagement	Start	Start	Start	Start
Infrastructure Development	Start	Start	Start	Start
Planting & Landscaping	Start	Start	Start	Start
Water Management & Conservation	Start	Start	Start	Start
Public Space Activation	Start	Start	Start	Start
Climate Resilience & Adaptation	Start	Start	Start	Start

MANAVGAT TRIATHLONS

PARTNERSHIPS

Key Performance Indicators (KPIs)

Key Processes	Value Proposition	Key Partners & Channels	Cost Drivers
Community Engagement	Increased community participation and ownership	Local government, NGOs, Academia	High initial costs, ongoing maintenance
Water Management	Improved water efficiency and conservation	Water utility, Environmental groups	High initial costs, ongoing maintenance
Landscaping & Greenery	Enhanced aesthetic value and biodiversity	Landscaping firms, Nurseries	High initial costs, ongoing maintenance
Public Space Activation	Increased public space usage and social interaction	Local government, NGOs, Academia	High initial costs, ongoing maintenance
Climate Resilience & Adaptation	Reduced carbon footprint and increased resilience	Local government, NGOs, Academia	High initial costs, ongoing maintenance

Social & Environmental Impact / Impact on Beneficiaries

Erasmus+ **Hochschule für Wirtschaft und Umwelt Nürtingen-Geislingen** **LE NOTRE Institute** **ULB FACULTÉ D'ARCHITECTURE LA CAMBRE HORTA** **SAPIENZA UNIVERSITÀ DI ROMA** **GRANDI UNIVERSITY OF TECHNOLOGY**

Manavgat Habit TAT

Sena AĞIL
Chandni THADANI
Sabrina LUFF
Alisan TASPINAR
Antoni HOPE

Supervisors:
Jeroen DE VRIES



GROUP 7 - Manavgat HabiTAT



Alişan TAŞPINAR



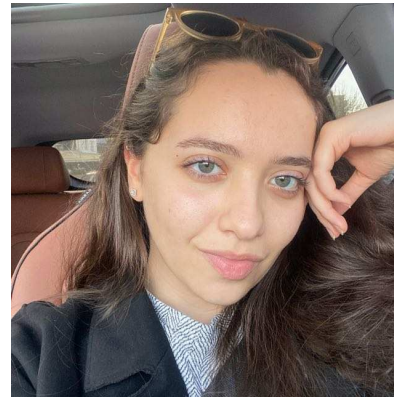
Antoni JOPE



Chadni THADANI



Sabrina LUFF



Sena AĞIL



Manavgat HabiTAT

- * Manavgat HabiTAT is an initiative for Manavgat in 2050 focused on protecting habitats and ensuring resilient ecosystems that provide essential services for human existence. Key recommendations include establishing an education trail and guided tours to educate locals and tourists about ecosystem services, and biodiversity conservation.
- * Implementing a landscape system model integrating mixed forests, urban areas, lakes, rivers, and wetlands will further enhance biodiversity and ecosystem resilience. These efforts aim to foster a liveable environment while promoting sustainable practices and ecological awareness among residents and visitors alike.
- * Manavgat HabiTAT aims for a livable environment for humans through habitat protection ensuring ecosystems to be resilient and offer the needed ecosystem services for human existence. We work in a team of project planners, event managers, landscape architects, ecologists, pedagogical professionals, and trained guides.
- * Hubs, nature trails, and guided hikes are planned in the ecosystem along the Manavgat river. We want to offer our customers, who are local inhabitants and tourists a place for exchange and events, an education trail and guided tours to understand ecosystem degradation, ecosystem services, planetary boundaries and what actions tackle them in the personal and professional life.



baby seaturtles in danger



extinction of bird species



pollution in urban areas



urban heat island effect



habitat loss

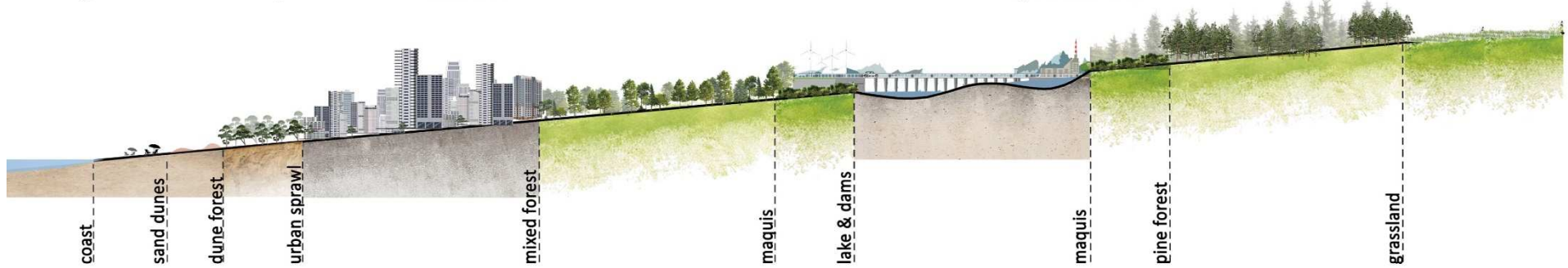


lack of connectivity along the lake area



frequent wildfires

CHALLENGES



habitat protection measures



wetlands for providing new habitats



balancing blue-green infrastructure



implementing sustainable building approaches



policies for securing migratory birds



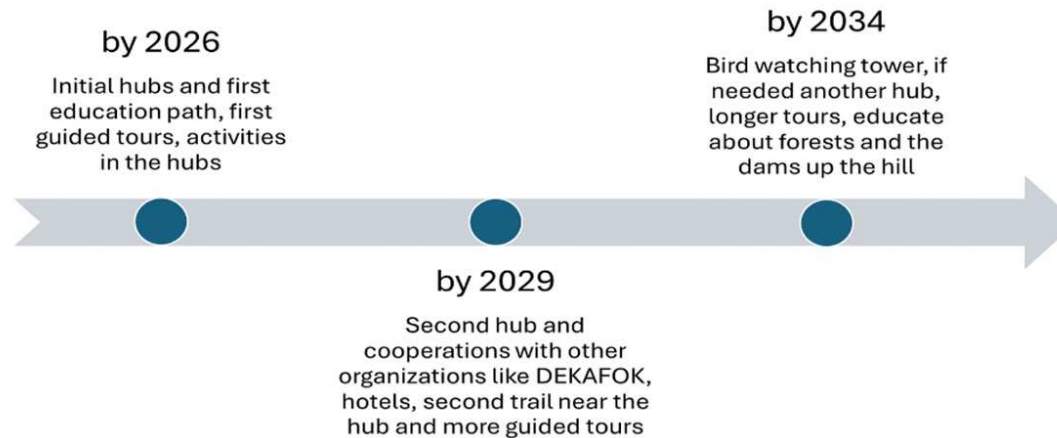
nature trails connecting the city to mountains

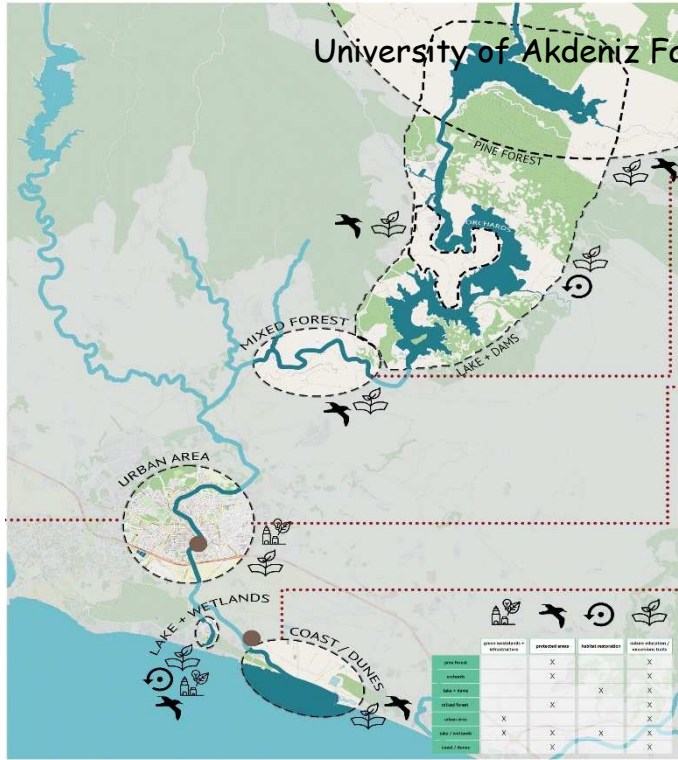


policies for forest protection

SOLUTIONS

TIMELINE OF LANDSCAPE SYSTEM





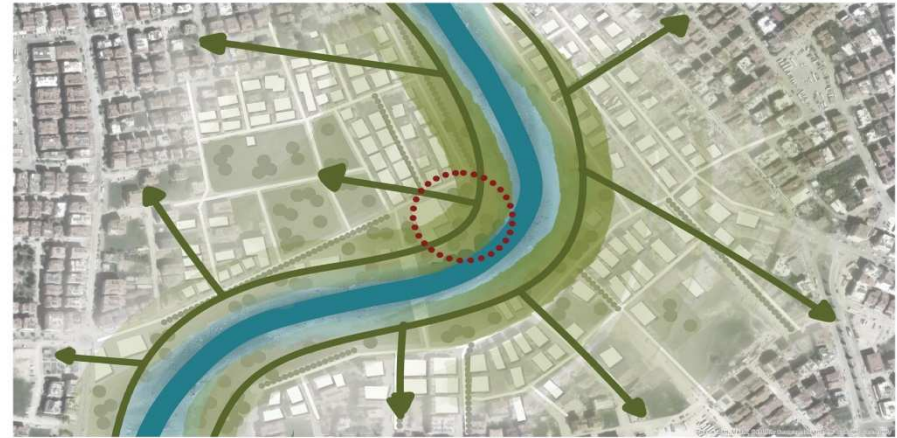
Manavgat Habit TAT

LAKE, RIVER AND WETLANDS



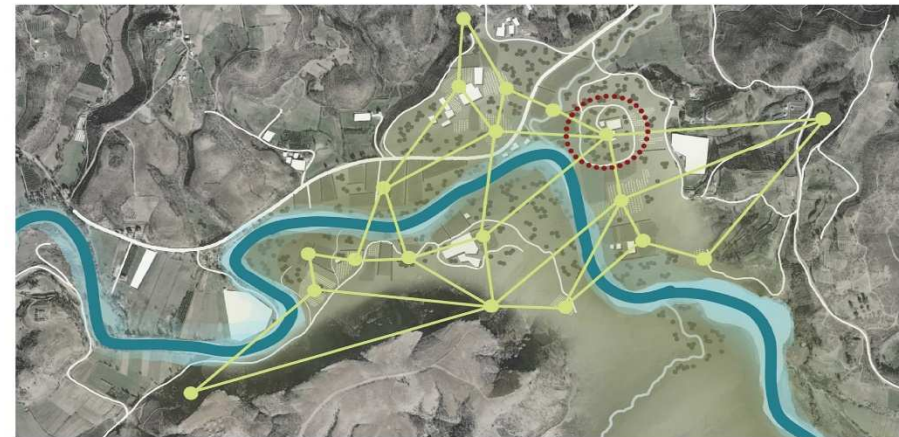
The lake is a very important hotspot for migratory birds in spring and autumn. The trail there shows different bird species and shows how bird migration works. It also points out why many bird species face extinction. The hub can have a bird watching tower on its side. A guided tour leads along the lake and through the newly developed coastal wetland.

URBAN AREA



Our most frequently visited and most important hub will be the initial one in the center of Manavgat, next to the city museum. We attract visitors with Chai and Turkish coffee. Our hub and the museums facilities will be used to host events and offer a community space. The trail will lead the visitor along the river and show urban planning concepts like the sponge city and explains why cities are heat islands as well as showing green and blue infrastructure.

MIXED FOREST



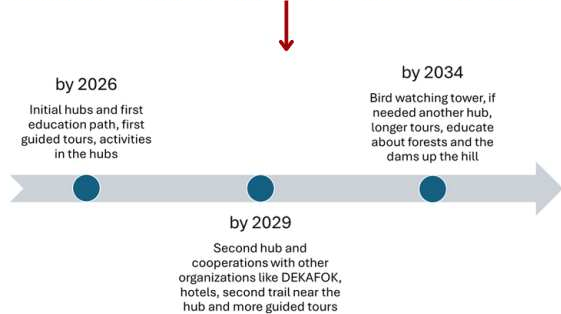
The hub and education trail in the mixed forest is forest and forest fire themed. It shows that some habitats need constant burns and how often they naturally occur. It shows the risk of fires and how they spread. The trail and hub also offers information about the native and endemic species in the mixed forest. Depending on the season the visitor finds an exhibit about mushrooms or learn about bird songs. Hikes from the other hubs or out to the dams are planned from our hub in the mixed forest.

Manavgat HabiTAT

Our idea

	green wastelands + infrastructure	protected areas	habitat restoration	nature education / excursions trails
pine forest		X		X
orchards		X		X
lake + dams			X	X
mixed forest		X		X
urban area	X			X
lake / wetlands	X	X	X	X
coast / dunes		X		X

Change policies by democracy.
Raising awareness and educate locals and tourists

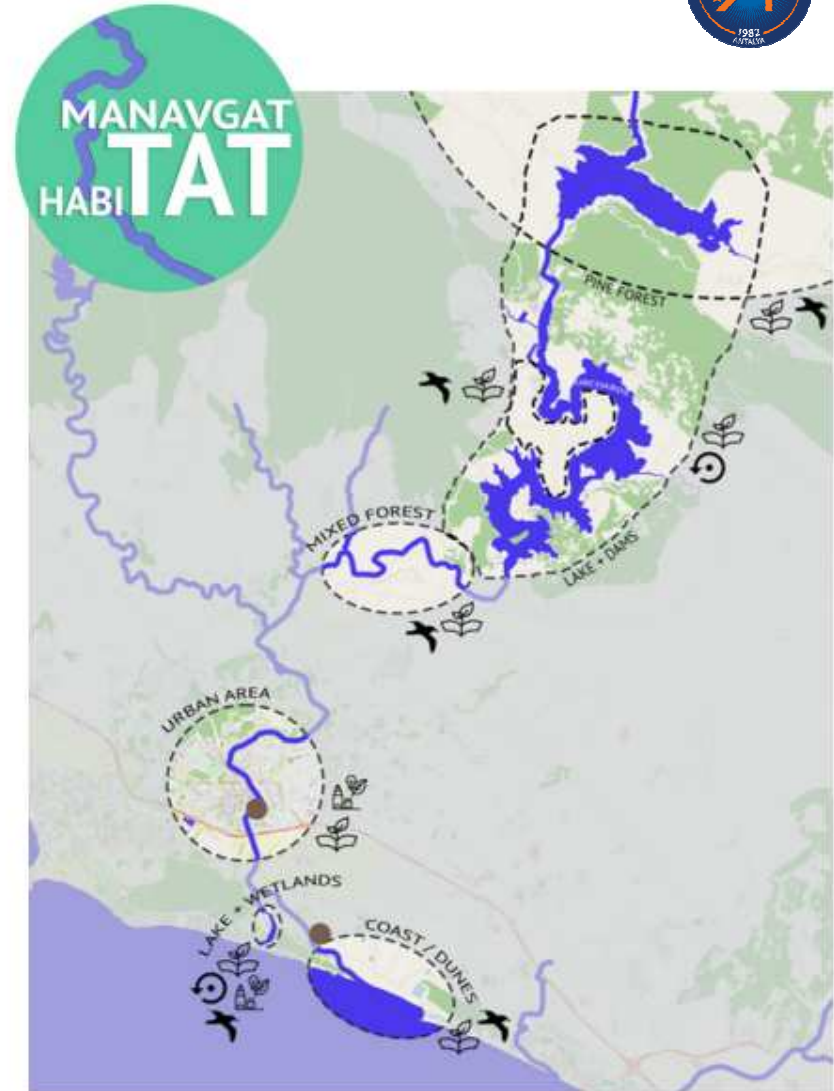


Mixed forest



Urban area

Coast / dunes



Map legend

- Area
- HUB
- Water
- Nature education
- Habitat restoration
- Green wastelands + infrastructure
- Protected areas



OSM Standard



Manavgat HabiTAT- Business Canvas

Manavgat HabiTAT - A social enterprise in Manavgat with educational trails and hubs organised by local people.

Mission Statement

To increase the quality of ecosystems for flora, fauna and strengthening the ecosystem service for human benefit through awareness rising and education, to explore urban area and coastal zone through the HabiTAT hubs, trails and guided tours by educated locals.

<p>Key-Partners</p> <ul style="list-style-type: none"> -) DEKAFOK and other NGOs -) Local authorities -) Local professionals -) Universities -) Tour agencies -) Tourist's informations -) Manavgat city museum -) Green certified hotels -) Schools -) Local businesses 	<p>Key Processes</p> <ul style="list-style-type: none"> -) Education of the local guides -) Networking -) Planning -) Building -) Funding from EU or locals 	<p>Value Proposition</p> <p>Customers We offer HabiTAT's hubs, trails and tours for local people, tourists, students and institutions. When people experience ecosystems services through activities, they enhance awareness about sustainability and knowledge exchange among communities.</p> <p>Beneficiaries Locals community and municipality can improve their economical status by receiving tourists. DEKAFOK would gain new visitors and volunteers, same for museums. Guides can find jobs. Landscape is used more sustainable</p>	<p>Key-Products & -Services</p> <ul style="list-style-type: none"> -) Trails -) Guided tours -) Conferences -) Courses -) Meet up spaces (with coffee, tea) -) Workshops 	<p>Customers</p> <ul style="list-style-type: none"> -) Local population -) Tourists -) Students -) Youth <p>Beneficiaries</p> <ul style="list-style-type: none"> -) Local community -) Municipality -) Institutions -) DEKAFOK -) Manavgat belediyesi kent müzesi 	
<p>Cost-Driver Constructions in general, staff, marketing, infrastructures, funding and research team, training of guides and maintenance of hub's</p>		<p>Revenue-Driver Funding, EU funding, sponsors, donations, partnerships, grants, shops, events, conferences, workshops, online platform, philanthropy, guided tours</p>			
<p>Customer & Beneficiary Input</p> <ul style="list-style-type: none"> -) <u>Local</u>: Business- demand supply -) <u>Tourists</u>: agency- what they like -) <u>Authorities</u>: policy implementation and improve 		<ul style="list-style-type: none"> -) <u>Research organizations</u>: all the relevant -) <u>Education</u>: institutions- work force, new ideas, collaborations -) <u>Communities</u>: volunteers 	<p>KPI (Key Performance Indicator)</p> <ul style="list-style-type: none"> -) Satisfaction -) Amount of tours -) Income -) Quality institutions to collaborations -) Amount of volunteers -) Measurable improvement of target ecosystem 		
<p>Social & Environmental Impact / Impact on Beneficiaries</p> <ul style="list-style-type: none"> -) <u>Social</u>: - Community engagement - Awareness/ consciousness -) <u>Environmental</u>: - Biodiversity protection \ enhancement management -) <u>Beneficiaries</u>: - Satisfaction to contribute for a good cause - More networks and opportunities -) <u>Global</u>: - Policy implementation - prototype design 					

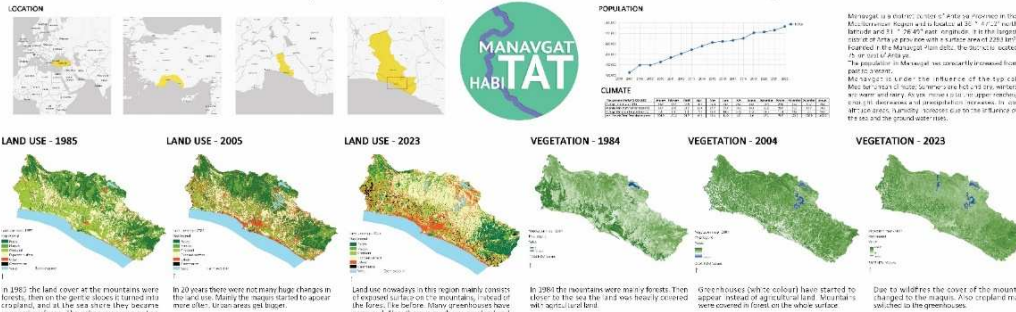


Manavgat HabiTAT

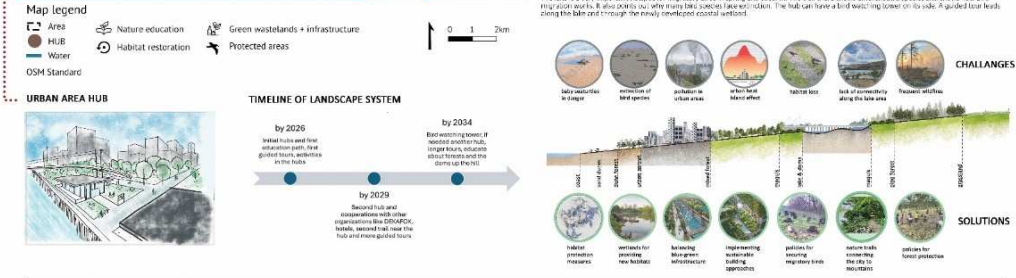
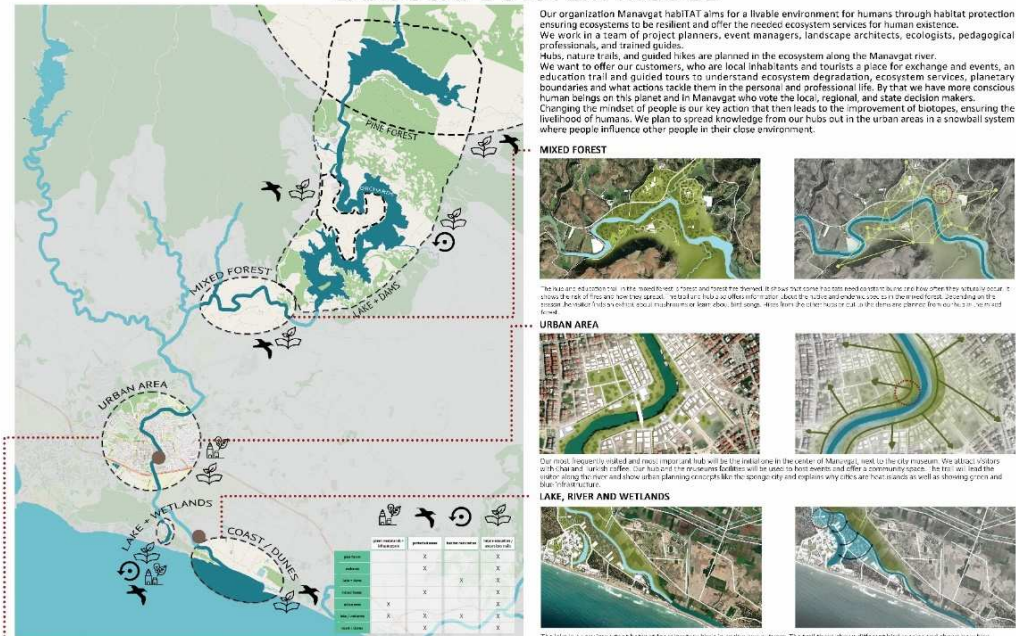
Value Proposition

	pains	pain relieviers	gains	gain creator	jobs	products & services
customers						
tourists (also inhabitants)	Lack of interest from tourists	Interesting guide excursions	Active form of spending the time, gaining knowledge	Guidance trips as a source of knowledge. Interesting events	Offering their time. Need of learning new things	Guide trips, trails
students and youth	Lack of activities related to Manavgat's environment in the city	Wide offer activities in hubs	Knowledge, experiences	Organised courses, workshops, conferences	Entertainment	Activities in the hub
beneficiaries						
local community	Lack of knowledge about their city's biodiversity	Special offers for inhabitants	A new place for meetings / new workplaces	Places to sit and dring cafe and tea, walks along the trail	Working there, vitisting hubs	Vacants, need of volunteers
municipality	Less and less tourists in the city	Attractive eco centers	More income because od the tourists	Tourists while coming to the hubs support local economy (gastronomy, hotels...)	Problem with land owners while building a trails	Land owners incentives to support hubs expansion
institutions	No contacts with other entities	Hubs as the way to get in contact with other ones	Wider web of contacts	Collaborations while working with the hub	Investing in hubs and helping to develop	Ability to create something on a bigger scale and make it work
NGOs (such as DEKAFOK)	Small number of volunteers, lack of recognition	Collaboration with hubs	More popularity aiming to doing bigger things for good	The platform thanks to collaboration with hubs	Offering interesting activities with the hubs, offering help	Events, courses
Museum	No activities related to the museum outside the building	Collaboration with hubs	New visitors, high profile in the region	People visiting hubs, signs of the museum	Share knowledge about the region and biodiversity in it	Their knowledge and items

Alisan Taspinar, Antoni Hope, Chandni Thadani, Sabrina Luff, Sena Agil



LANDSCAPE SYSTEM MODEL



Manavgat HabitAT Poster

Food Scapes – An UNICROPITY

Feven TAMENE
Pola JOPIEWICZ
Selamawit Getahin ESHETU
Shashank YADAW
Mikail AÇIKEL
Miguel Delso PAEZ

Supervisors: Roxana TRIBOI





GROUP 8 - Foodscapes – An UNICROPITY



Feven TAMENE



Pola JOPIEWICZ



Selamawit GETAHIN ESHETU



Shashank YADAW



Mikail AÇIKEL



Miguel DELSO PAEZ



Foodscapes – An UNICROPITY

- * Establish Antalya as a #1 in organic sustainable agriculture and Akdeniz as lighthouse for agriculture knowledge. Conduct interdisciplinary research to improve the land quality, water management and overall agricultural policies.
- * Akdeniz University as a living-lab for food-system awareness. Change the foodscapes of Antalya region through education & research increase the local, organic food production and provide more healthier options.
- * The team proposes initiatives for Manavgat in 2050 centred around organic sustainable agriculture and interdisciplinary research to enhance land quality. The recommendations include promoting organic farming practices to ensure food security and environmental sustainability.
- * They offer UNICROPITY model that integrates community, education and economy. Conducting interdisciplinary research will focus on improving soil health, water management, and biodiversity conservation to support resilient agricultural systems. By integrating these practices, Manavgat can cultivate a vibrant foodscape that not only nourishes its inhabitants but also enhances ecological health and sustainability for future generations.

Food Scapes – An UNICROPITY

University of Akdeniz Faculty of Architecture Department of Landscape Architecture - Antalya

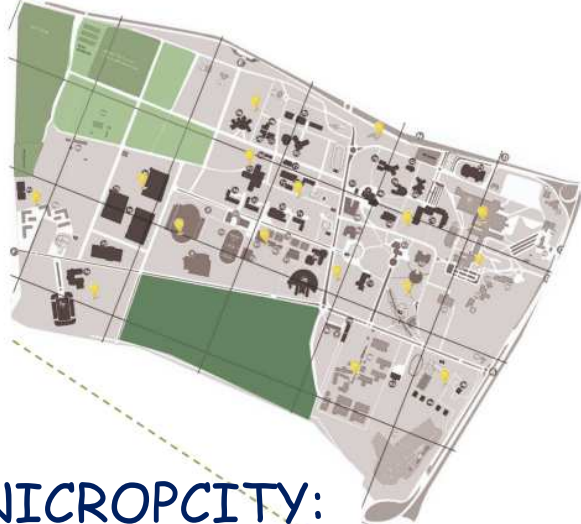


Existing food production				Salt Tolerant plant proposal on the Campus						
										
Cow	Egg	Chicken	Fish		Tomatoes	Spinach	Beets	Broccoli	Bell peppers	



An UNICROPITY

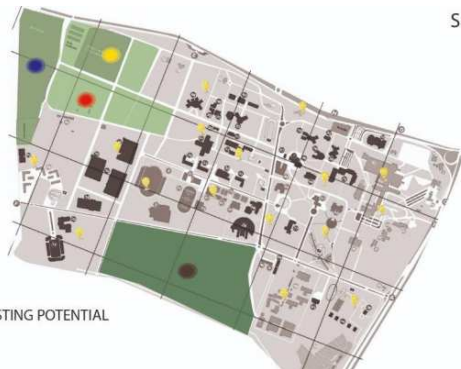




UNICROCPCITY: University as a lighthouse



Salt Tolerant plant proposal on the Campus



EXISTING POTENTIAL



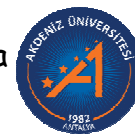
REVOLUTION STARTS WITH KNOWLEDGE!

Akdeniz University as a living-lab for food-system awareness.
Change the foodscape of Antalya region through education & research
Increase the local, organic food production and provide more healthier options

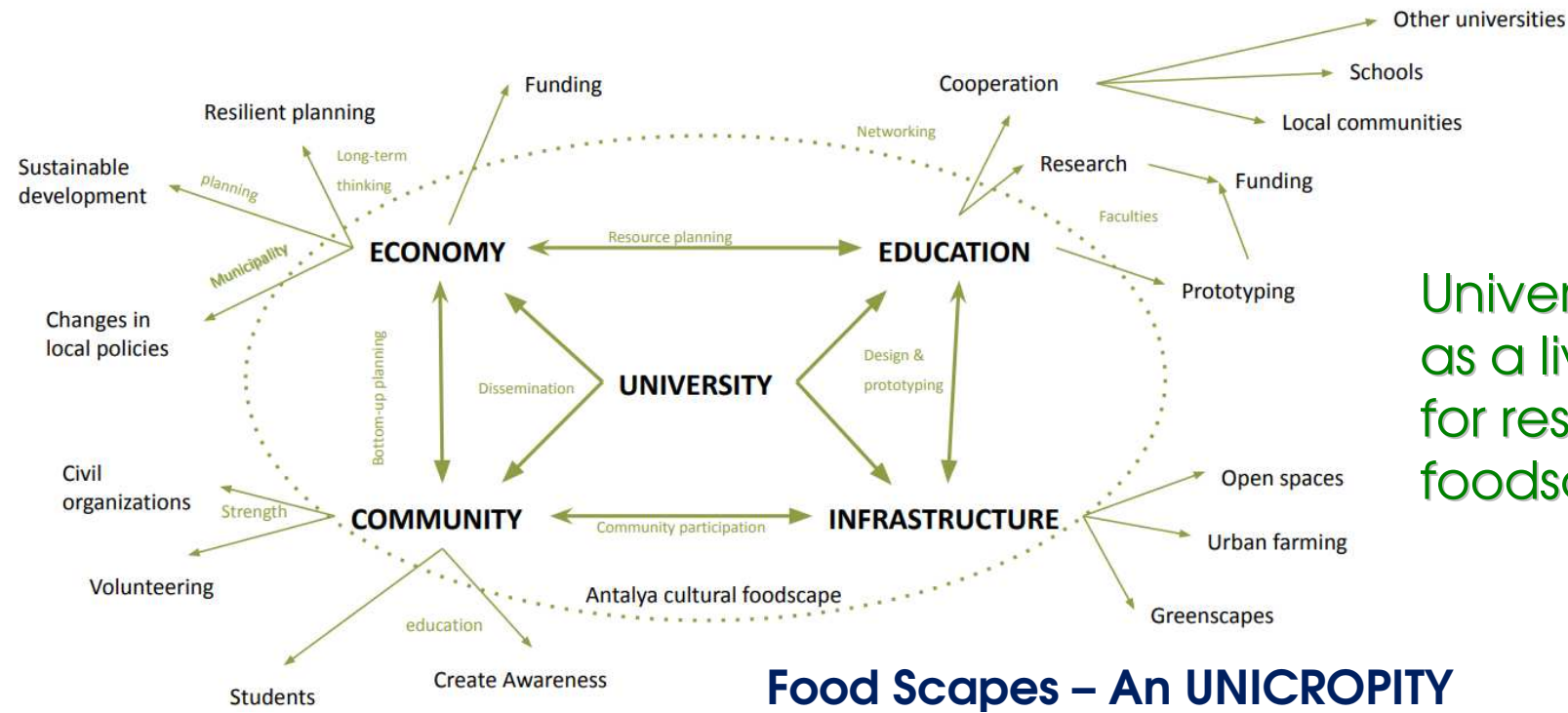


Establish Antalya as a #1 in organic sustainable agriculture and Akdeniz as lighthouse for agriculture knowledge
Conduct interdisciplinary research to improve the land quality, water management and overall agricultural policies

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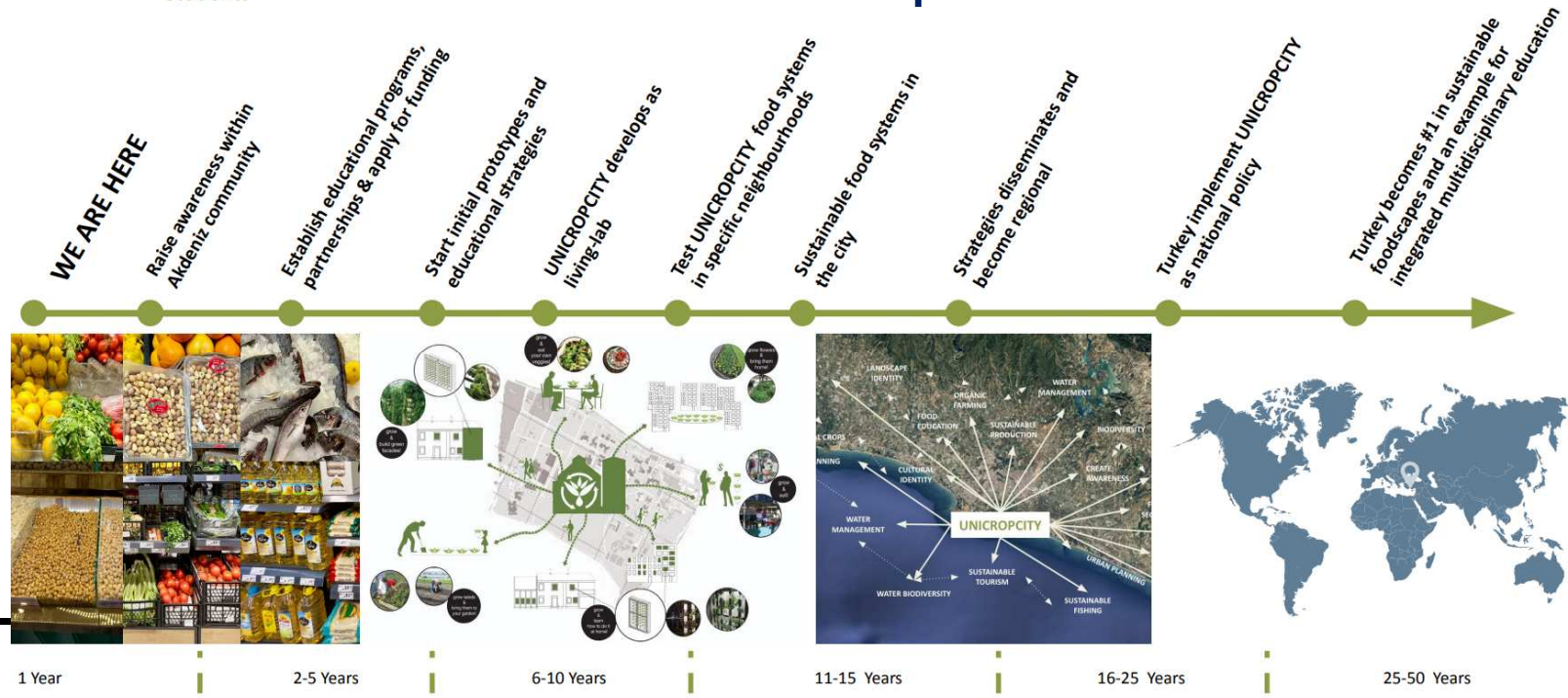


Antalya



University as a living-lab for resilient foodscapes

Food Scapes – An UNICROPITY





Food Scapes – An UNICROPITY Social Business Canvas

The name of your (Social) Enterprise or charity or community based organisation



Vision and Mission Statement

The vision is to transform Antalya’s current foodscapes into sustainable and resilient models by developing living lab prototype in Local universities.

<p>Key-Partners</p> <ul style="list-style-type: none"> • University • Local shops • Local communities • Small scale farmers • Politicians • Suppliers • Municipality • Donators • Advertisers • University markets • EU • Stakeholders • NGO's • Schools • Tourism ministry • Local restaurants & canteens 	<p>Key Processes</p> <ul style="list-style-type: none"> • Training • Education • Action research output • Garden activities • Collaboration and partnership • Building the network • Community engagement • Local Akdeniz community • Building the living lab methodology 	<p>Value Proposition</p> <p>Why become a fan?</p> <ul style="list-style-type: none"> • We will show the unseen negative aspects of the food system today and how to make it better • Food security <p>Special benefits?</p> <ul style="list-style-type: none"> • Better water management • More organic, local produced food • Cheaper food • Healthier, seasonal food • Develop competences • Community engagement • Growing city identity 	<p>Key-Products & -Services</p> <ul style="list-style-type: none"> • Healthy organic, seasonal food, no chemical input • Take part into the process (see the process themselves) • More sustainable, less pollution & waste • Prototyping & create knowledge & job opportunities 	<p>Customers</p> <ul style="list-style-type: none"> • university staff, • companies that will buy our methodology, • local communities, • local stores, • tourists, • industry <p>Beneficiaries</p> <ul style="list-style-type: none"> • students, • volunteers, • schools + other education, education, • actors in the food system, • local communities, • employees, • society in general, • local farmers, • environment + ONG
<p>Cost-Driver</p> <p>Advertising, food processing infrastructure, raw material, waste management facilities, storage, transportation, innovation strategies & funds</p>		<p>Revenue-Driver</p> <p>Selling products, donations, workshops, innovation, growth in production, research funding</p>		

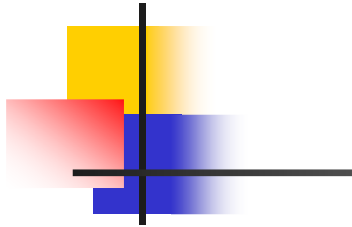
KPI (Key Performance Indicator)

Economic, social, environmental growth in organic production, soil quality, growth in native crops, improvement in water management, growth in academic research

Social & Environmental Impact / Impact on Beneficiaries

Better quality of soil, better quality of local green infrastructure, awareness of food systems, reinforce local government by participatory democracy, generate more employment, waste management (reducing, recycling, compost)





Foodscapes – An UNICROPICTY Poster

FOODSCAPES

Akdeniz University
A lighthouse for sustainable food-systems

Existing food production

Members: Faten, Pota, Sebati, Shashank, Mikail, Miguel + Roxanna

Salt Tolerant plant proposal on the Campus

Cow, Egg, Chicken, Fish, Tomato, Spinach, Beets, Broccoli, Bell peppers

VISION DESIGN PROPOSAL

REVOLUTION STARTS WITH KNOWLEDGE!

Akdeniz University as a living-lab for food-system awareness. Change the foodscapes of Antalya region through education & research. Increase the local, organic food production and provide more healthier options.

Establish Antalya as a #1 in organic sustainable agriculture and Akdeniz as lighthouse for agriculture knowledge. Conduct interdisciplinary research to improve the land quality, water management and overall agricultural policies.

DESIGN PROCESS

Concept Potential Site Identical

Waste for use in the field, Support biodiversity, Waste for animal feed

ECONOMY, EDUCATION, UNIVERSITY, COMMUNITY, INFRASTRUCTURE

Waste for animal feed, Support biodiversity, Waste for use in the field

Existing Food Food Chain Design Design out put on

Existing Food, Food Chain Design, Design out put on





Final Presentation of Winterschool



TELOS Winterschool, Antalya

February 16-25, 2024 Antalya, Türkiye

