# International Student Competition Landscape Forum 2025: Budapest North & Danube Bend

# Winning Teams & Finalists



















## **Towards Wholeness**

Arpad Zsolt Bartha, Jonathan Zsolt Pulugor, Kinga Katinka Ferenczy, Danjel Komesz

MATE - Hungarian University of Agriculture and Life Sciences, Hungary

The Danube Bend, a region of exceptional natural and cultural significance, has long inspired Hungarian poets, artists, and thinkers. Shaped by both history and nature, the bend serves as a symbolic boundary, defining the area's identity. Beyond its visual appeal, it reflects the deep connection between past, present, and future. The proposed plan envisions a "path towards wholeness", linking sacred, natural, and built elements to strengthen the bond between people and the landscape.

This route will support sustainable development while preserving ecological and cultural values. It fosters a balance between urban and rural areas, ensuring responsible growth and community engagement. A key element is the creation of green corridors, which serve both ecological and symbolic functions. These corridors will honor cultural and environmental heritage while providing communal spaces. The right bank will focus on preserving landscape architecture, while the left bank, more vulnerable to climate change, will embrace ecological innovation.

Sustainable water management plays a crucial role, addressing climate change through wetlands and water retention strategies that mitigate floods, support biodiversity, and promote environmental education. The region's diverse ecosystems marshlands, forests, and meadows will be preserved, transforming neglected areas into meaningful green spaces.

The plan also tackles urban sprawl, reimagining fringe areas to protect the region's identity. Integrating green-blue infrastructure will strengthen the connection between nature and settlements, fostering resilience. Ultimately, this vision ensures that the Danube Bend remains a place of beauty, memory, and identity, balancing nature, culture, and human activity for future generations.

# FIRST PRIZE

#### TOWARDS WHOLENES

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As a **long-term strategy**, "towards wholeness" aims creating a susrainable setup for the future. This conce strives not only to preserve ecological and cultural way out also to strengthen an identity mat more deeply connex pencie with the Davuler Bend and its unpravailed heritor.

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#### NATURE SETS NEW ROUNDER!

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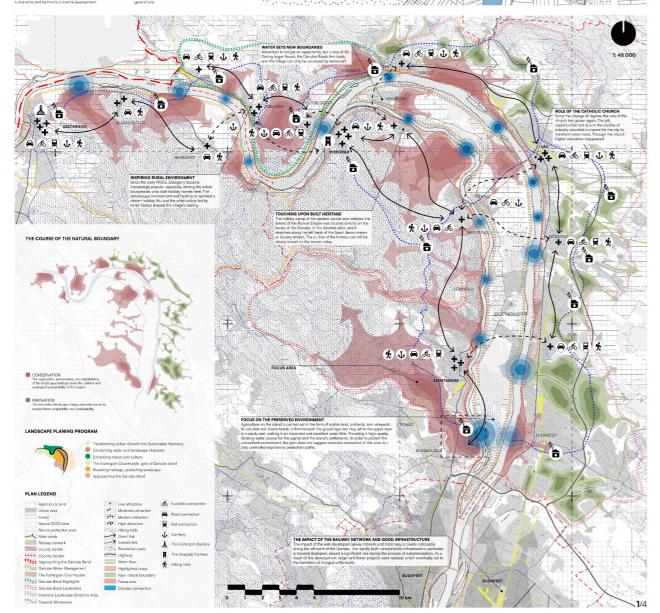
As part of the concept, green confidors will be created that go beyond ecological functions: they carry symbolic significance as the coundates of nature, while as onenoing the historical layers and environmental challenges of the landscape. These confidors reflect the belance of natura and cultural heritage write creating new opportunities for sustainability and communal use of species.

The strategic plan places emphasis on preserving and highlighting the landracea architectural berings on the right base of the Danubs, while also identifying areas others these cutrual imprise can be furmer environd and strengtheard, in contrast, on the elf-base of the Danubs, me effects of climate or the contrast on the elf-base of the Danubs, the effects of climate designater. Involving focused areas to ensure the future adoptability and sustainability of the andicace. This side becomes a field of landracea envirolisticum investiging responding ones of the contrast the contrast the contrast of the

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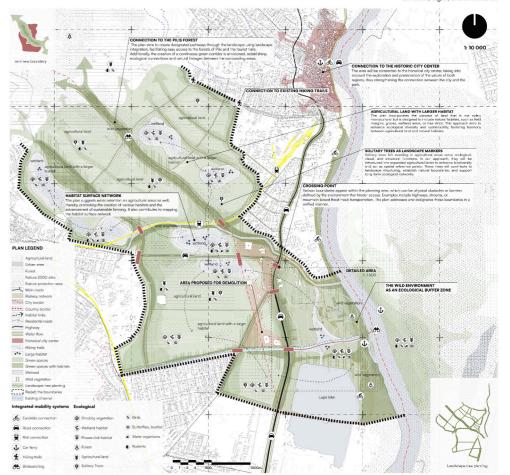
TOWARDS WHOLENESS



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TOWARDS WHOLENESS Identifies, Sions, and Boundaries













FRINGE AREAS
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sustainable development of natural values, ensuring for their growth and preservation in the future.





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The aim of the area is to serve not only as a space for recreat activities but also as an educational function, raising aware about natural values and sustainable land use. In agricultural a dealings distoles help with water management, while the stream, the Lupa area, and the high groundwater evel contributions.

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150 TOWARDS WHOLENESS

DOCK AS A BOUNDARY











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TOWARDS WHOLENESS























# The Sensation of Recognition

### Timea Mózes, Julianna Iuhász, Boglárka Ivácson, Zsófia László, Dániel Kerekes

Sapientia Hungarian University of Transylvania, Romania

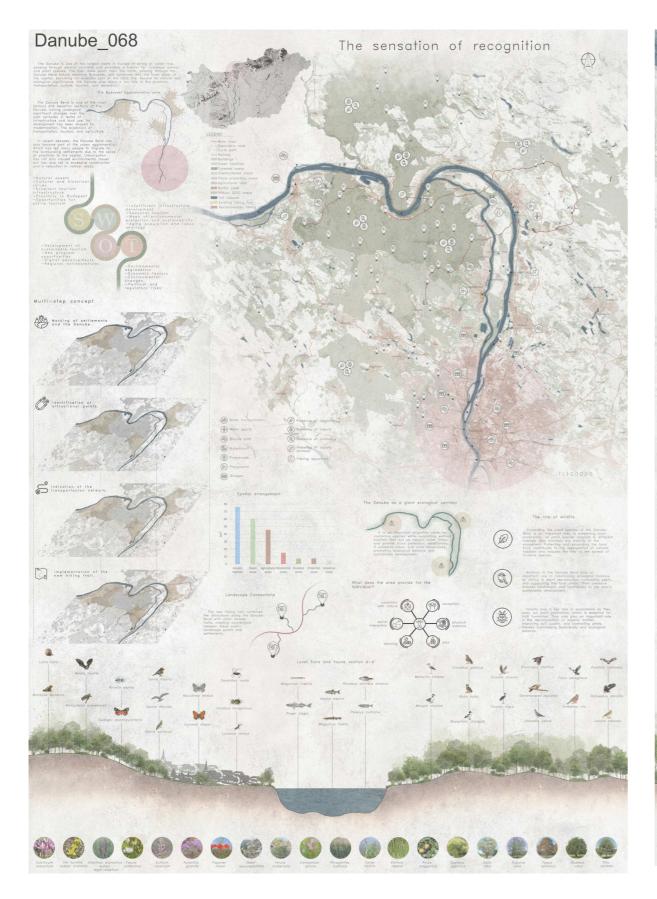
The Danube, one of Europe's most significant rivers, plays a vital ecological, economic, and social role. Over the centuries, the Danube Bend region has experienced crucial infrastructural and land-use changes, driven by urbanization, the expansion of transportation networks, and tourism growth. In Vác, the coexistence of industrial commercial, and residential functions presents complex planning challenges, particularly in maintaining a balance between the natural and built environments.

Our design concept aims to renaturalize the Liget area, enhance green infrastructure, and increase recreational potential through targeted interventions. A key aspect of the ecological network's development is revitalizing the Gombás Stream, which serves as an ecological corridor connecting agricultural lands with the Danube, fostering biodiversity and supporting ecosystem services.

The interventions will be based on the principle of minimal landscape alteration, ensuring the long-term preservation of the area's natural character and landscape values. The new educational trail will strengthen both educational and recreational functions, providing opportunities to observe natural processes and support environmental education. By developing blue-green infrastructure, the connection between urban and natural spaces will be reinforced, contributing to the optimization of the urban microclimate, reducing pollutant levels, and expanding habitat networks.

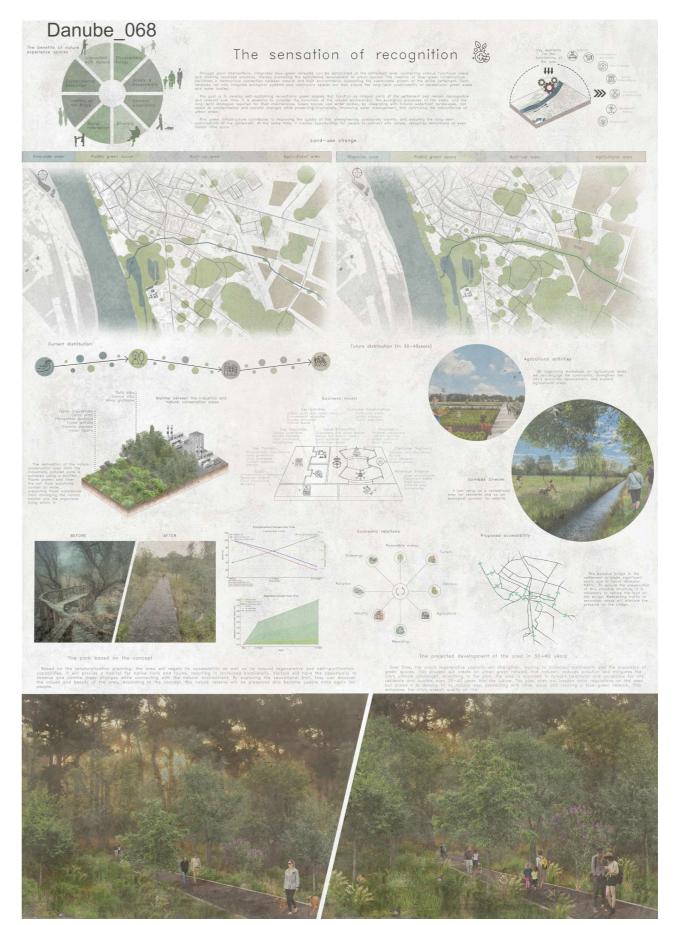
# SECOND PRIZE

Ultimately, the proposed interventions will foster the city's sustainable development, enhancing the regeneration of natural systems, improving residents' quality of life, and preserving the landscape's identity. These solutions will not only promote ecological sustainability but also create new recreational and community opportunities, encouraging harmonious coexistence between humans and nature in the urban environment.









## Bridging Landscapes

#### Ruba Khaled Al-Hamzi, Malavika Mohan Das

Weihenstephan-Triesdorf University if Applied Sciences & Nürtingen-Geislingen University, Germany

Our perception and understanding of Landscapes are deeply connected to the tangible and intangible strings of values we see in them. A relationship with nature, unfortunately, mindlessly compromised over the short-term goals of urbanism.

"Bridging Landscapes "proposes a solution for suburban expansion fuelled by mobility changes among the peri-urban settlements of Szentednre, Vác and Ezstergom. An integrated, continuous urban productive landscape that shares diverse cultural and economic prospects to build a network of self-sufficient environments for communities and ecosystems irrespective of borders.

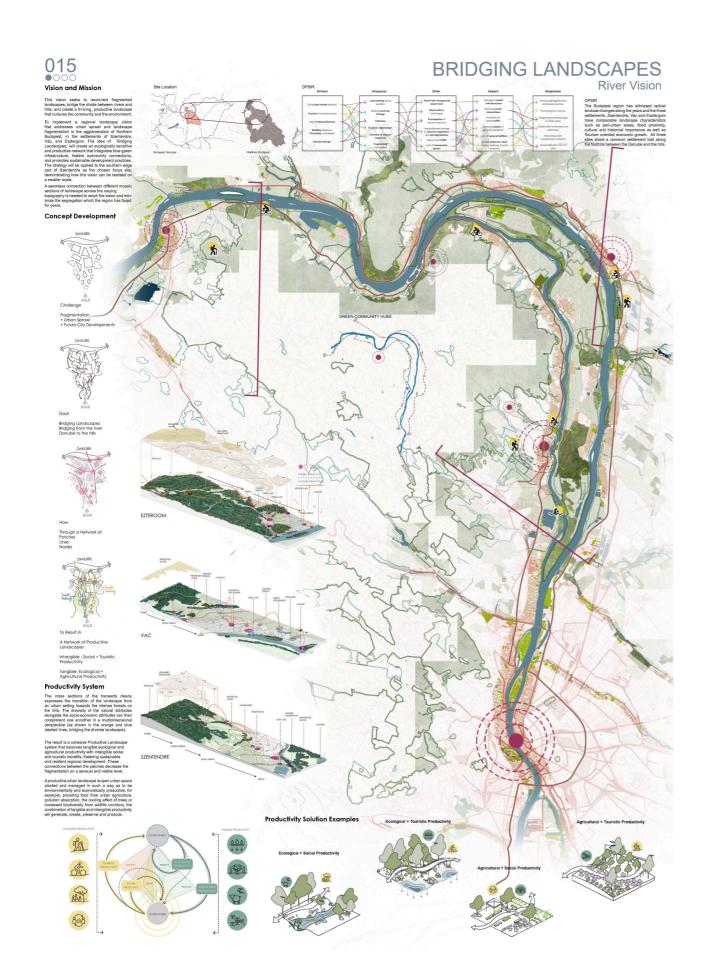
The results of the Landscape Character Assessment identify key intervention points and prioritise the most vulnerable habitats to future development pressures in the South of Szentendre. The design principles focus on restoring ecological and social network through patches, lines, and nodes while aligning with the town's proposed development decisions. The concept highlights actionable nature-based solutions with replicable characteristics that address similar challenges in northern Budapest and can be reintroduced to different settlements.

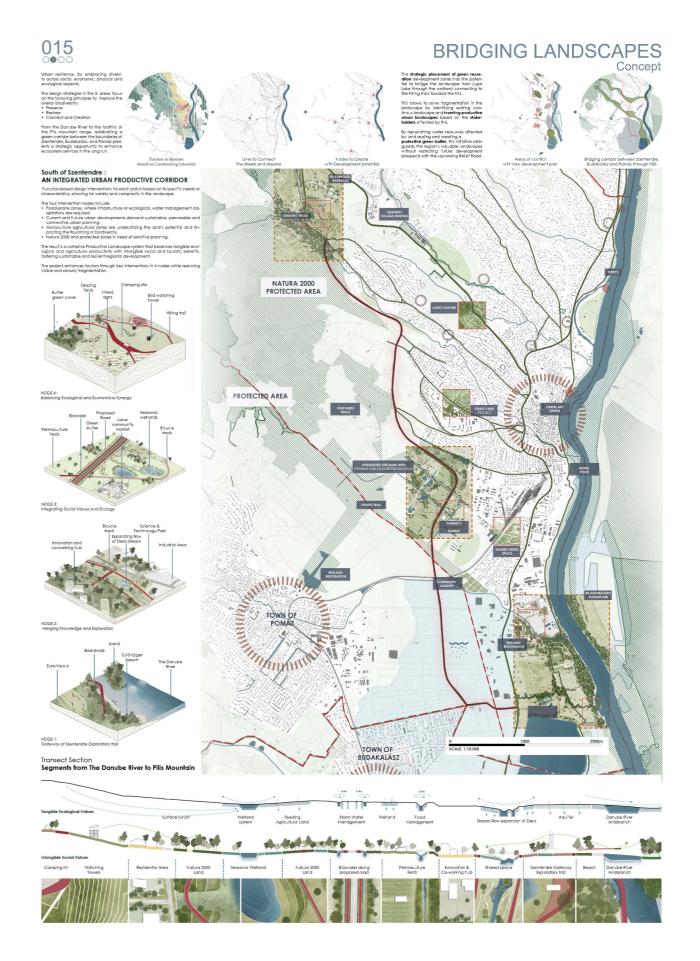
In our focus area, the site-selective interventions aim to contain urban sprawl while preserving ecological balance and quality of life in edge towns like those south of Szentendre. Building layers of deepened community involvement among peri-urban settlements contributes to

# THIRD PRIZE

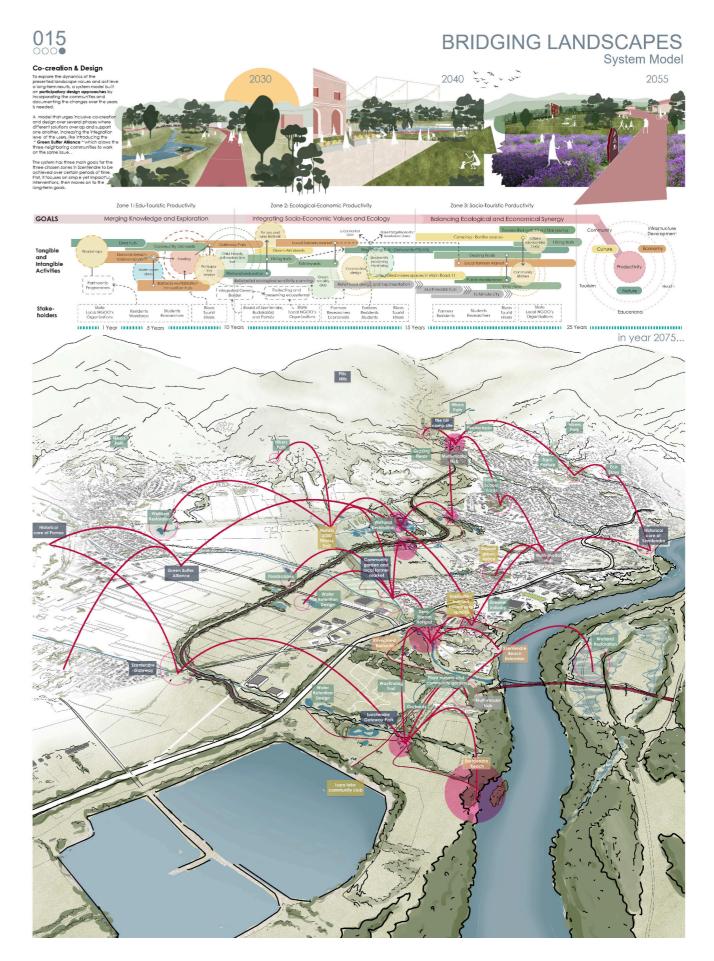
the success of these resilient and adaptive landscape strategies. The "Green Buffer Alliance" is one such intergenerational initiative among Szentendre, Budakalász, and Pomáz communities that kicks start a regional exploratory trail pouring wisdom on ecosystem services and sensitive landscape maintenance.

These shared amenities, including adaptive-reused, are interconnected to unique tourist values in the region supporting each other.









# Journey for Tomorrow

#### Eda Calisan, Lisa Moernaut, Lou de Roeck, Julia Zakrocka

Sapienza University in Rome, Italy

At the heart of our vision is sustainable tourism, a powerful tool for inclusive development and economic viability. By amplifying the positive contributions of tourism, we balance the needs of visitors and local residents while supporting grassroot initiatives and empowering residents.

Vác serves as our pilot city due to its unique natural, cultural, and historical assets. We envision a central mobility hub linking Vác to surrounding cities and a green mobility network within the city, reducing its carbon footprint while enhancing walkability. Urbanization, forestry clearance, and artificial riverbanks will be halted, while protected areas and green corridors will be expanded to boost biodiversity and prevent flooding.

Neglected infrastructure and vacant, underutilized spaces including brownfields will be transformed into vibrant community hubs. Flood-prone areas will buffer excess water, and energy demand will be lowered through modal shift and building retrofits. Flooding issues will be mitigated by restoring wetlands, while an abandoned hiking deck will be revitalized, ensuring both visitor access and species protection. Existing sports infrastructure will be expanded into a dynamic sports park.

Currently vacant buildings will serve new purposes – among others, an old hall will be transformed into a local food market, and brownfields will be repurposed into community gardens.

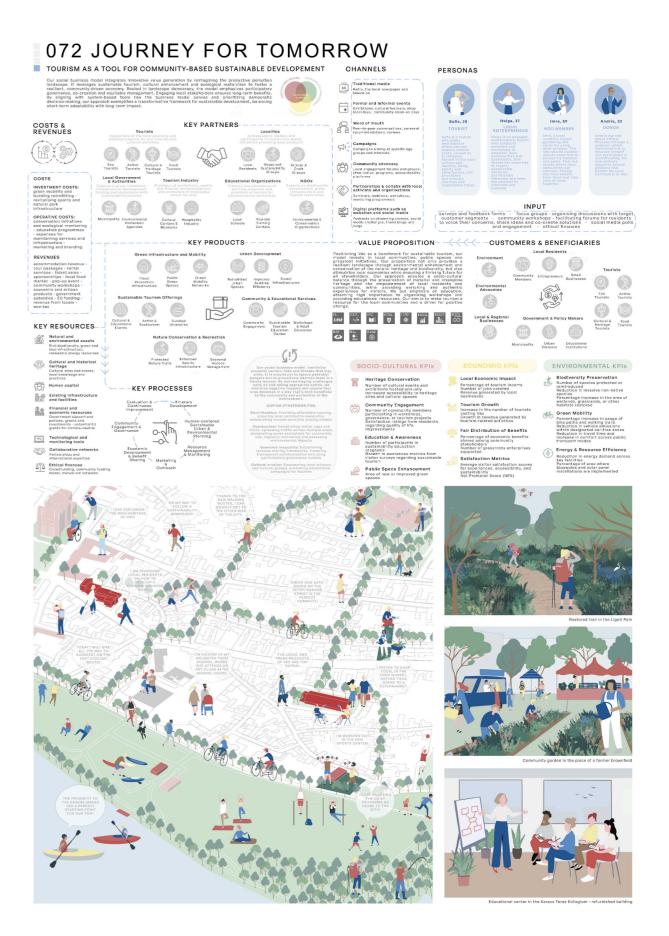
# HONORABLE MENTION

Our model uses tools such as the social business canvas. New or renovated public spaces will promote cultural, recreational, and educational experiences for both locals and tourists. Ultimately, we envision a thriving region where nature, culture and communities flourish together, creating a sustainable future.

# **■**072 JOURNEY FOR TOMORROW TOURISM AS A TOOL FOR COMMUNITY-BASED SUSTAINABLE DEVELOPEMENT (h) (i) (i) ENVIRONMENTAL SOCIO-CULTURAL ECONOMIC RESILIENCE Maximum floo 4571,7 ha Built-up areas: Roads: 225,1 km Railways: 0,4 km Forestry clearance Continuous urbanisation Forests: 853,9 hs Arable land & agricultural areas: 2201,2 ha Amphibitane Fish Floating plants

# ■ 072 JOURNEY FOR TOMORROW TOURISM AS A TOOL FOR COMMUNITY-BASED SUSTAINABLE DEVELOPEMENT ENVIRONMENTAL & ECOLOGICAL SOCIO-CULTURAL SUSTAINABLE TOURISM SOCIO-CULTURAL BALANCE Achieving a green mobility increasing and increasing accessibility to loosi herritage increasing accessibility to loosi herritage growth Preventing flooding Providing education about sustainable VALUABLE GREEN AREAS Extending and protecting natural protected areas, while balancing tourism flows THE DANUBE RIVERBANK Sustainable hospitality developments New public green spaces





## Re-Genera

## Assia Zidi, Dima Al Akoum, Irem Naz Ozgan, Ronaysu Taylan

Sapienza University in Rome, Italy

Drawing inspiration from the challenges of excessive waste and the environmental impact of conventional agriculture, we view the urban landscape as a canvas for regeneration. Conventional farming relies on chemical inputs and resource-intensive practices, depleting ecosystems. RE-Genera reimagines the flow of water, energy, and waste into an interconnected system, embedding sustainability and resilience at every level.

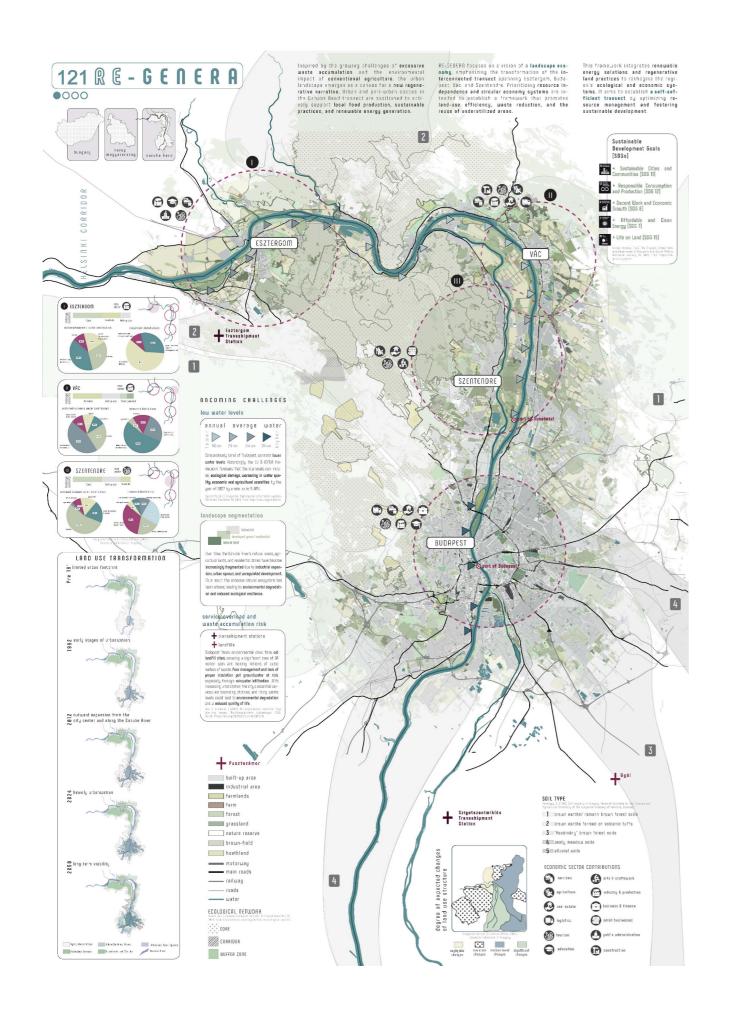
We propose transforming urban spaces into self-sustaining landscape economy systems, where renewable energy and waste recycling integrate seamlessly. By repurposing underused areas for green infrastructure, community gardens, and wetland farming, we create zones that support local resilience and mitigate the negative impacts of traditional agriculture.

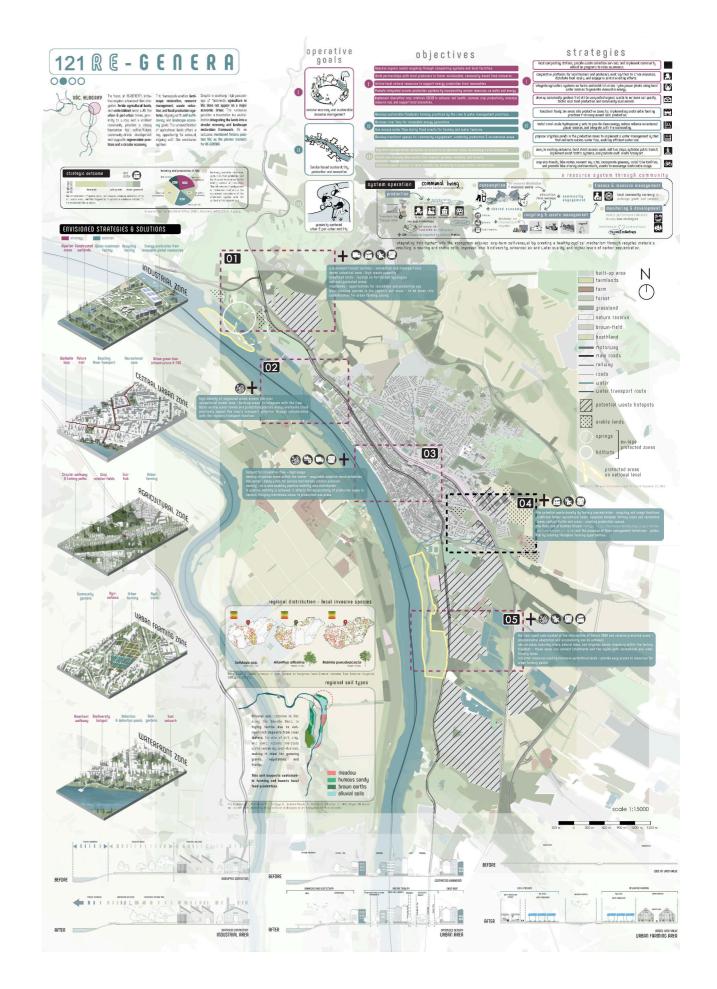
Envisioned approach specifically focuses on Vác and the Gombás Stream, a waterway originating from the Danube Bend, carrying potential for water management and energy generation. By harnessing this stream, we implement smart water strategies and renewable energy solutions within our regenerative urban ecosystem.

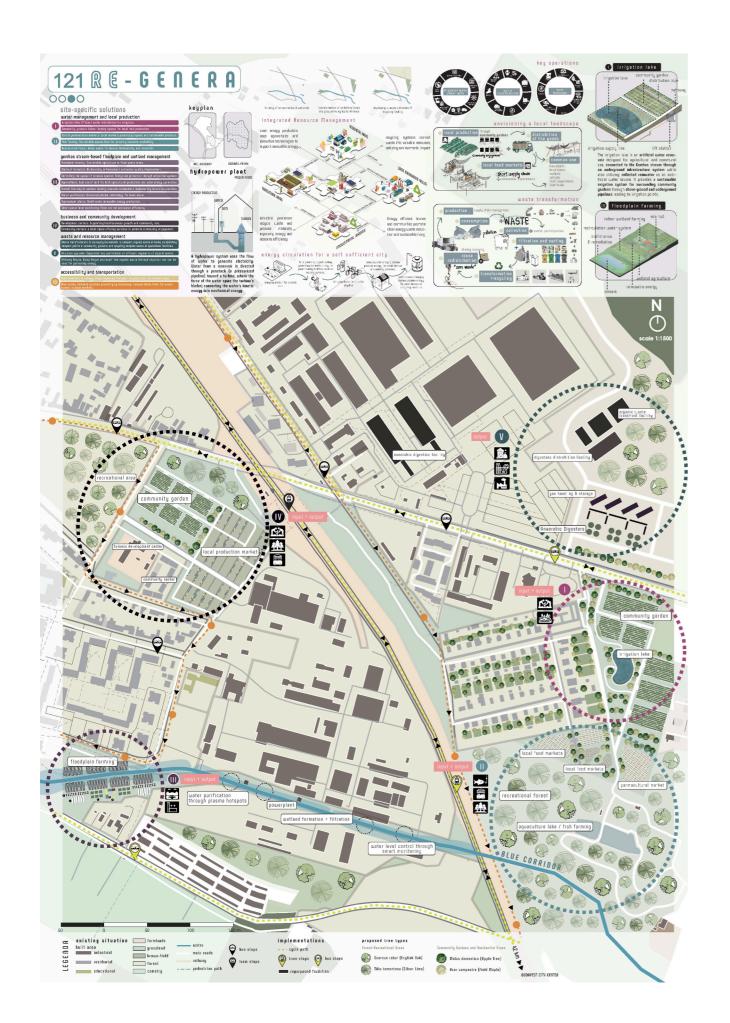
# HONORABLE MENTION

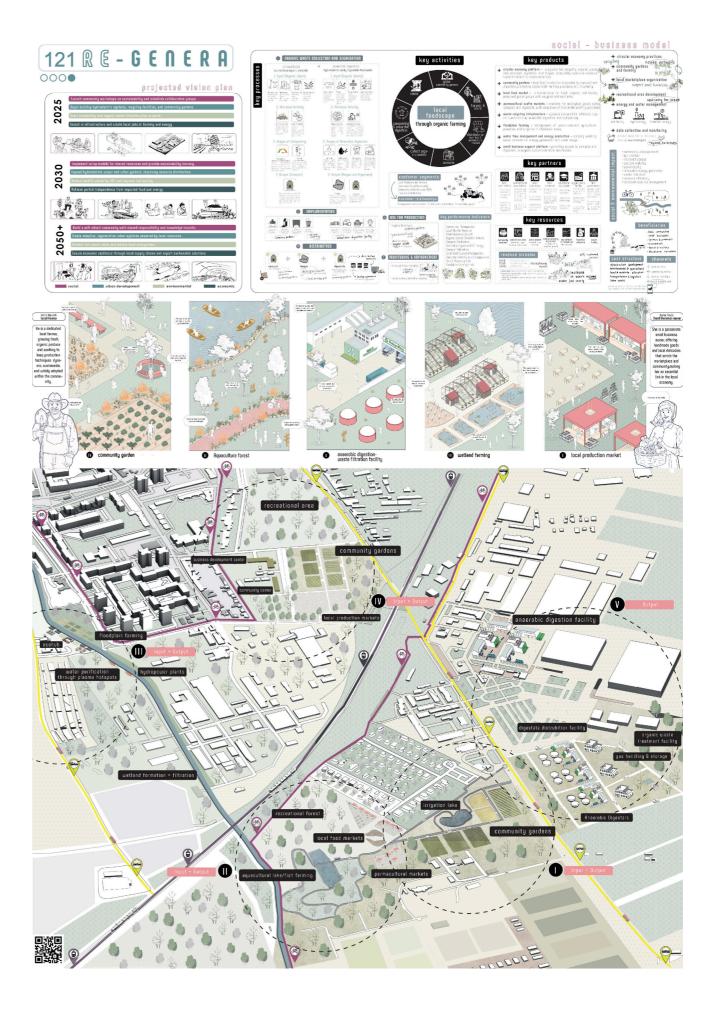
Building on sustainability initiatives, we introduce agri-voltaics, waste-to-energy systems, and innovative resource management to foster a sustainable, regenerative local food system. Our vision bridges urban space and nature, creating areas for community engagement and ecological restoration, ensuring landscapes serve both people and the environment.

RE-Genera offers a pathway to address pressures from large-scale agriculture, resource scarcity, and uncontrolled waste while supporting urban ecosystems that regenerate resources, protect biodiversity, and improve community well-being. This approach ensures long-term environmental, economic, and social resilience, fostering a deeper connection between people and nature.









## AquaTerra

#### Atamer Boz, Selin Güner, Eylül Uzun

Sapienza University in Rome, Italy

The project in Szentendre aims to create a sustainable and ecologically balanced space that addresses both environmental and social concerns, while also fostering economic growth through innovative, green practices. As urban development continues to encroach on natural areas, the region faces significant environmental challenges, such as the loss of biodiversity and inadequate waste management systems. This project intends to combat these issues through the creation of dedicated spaces for composting, biodiversity conservation, and sustainable agricultural practices, alongside promoting environmental awareness and community engagement.

One of the key problems the project addresses is the loss of natural habitats due to urbanization. This not only threatens local wildlife but also diminishes the region's ecological value. To counter this, the design includes pollinator corridors, tree planting initiatives, and protected spaces for endemic species. These features are aimed at fostering biodiversity, enhancing the local ecosystem, and ensuring that Szentendre remains a place where nature can thrive alongside human development. The use of solar energy systems and water management solutions also plays a crucial role in minimizing the environmental impact of the project, creating a harmonious relationship between urban living and nature.

Another pressing issue is the lack of effective waste management, especially regarding organic waste. In response, the project proposes the establishment of a composting center where organic waste can be processed and reused, thus contributing to sustainable agriculture. The composting area will not only serve as a practical solution for waste management but also function as an educational hub. Visitors will be able to engage with the process of composting, learning about its benefits and applications in sustainable living. This will be complemented by educational programs and workshops that promote eco-friendly practices, waste reduction, and the importance of natural resource conservation.

The project also addresses a social issue: the need for greater community involvement and education in sustainability. By creating a visitor center and an

# Third Round

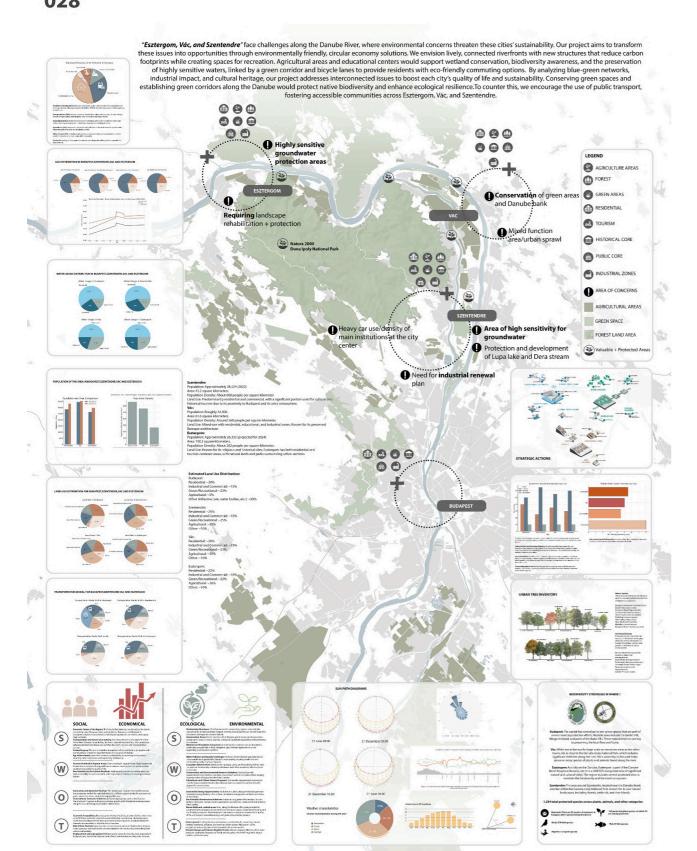
amphitheater, the project offers spaces for educational events, performances, and community discussions. These spaces will serve as platforms for local residents and visitors to learn about sustainability, engage with experts, and participate in hands-on activities that promote environmental stewardship. The inclusion of permaculture gardens and tree nurseries will also provide opportunities for the community to get involved in organic farming and environmental conservation. Through these initiatives, the project aims to build a more informed and active community, fostering a collective responsibility for the environment.

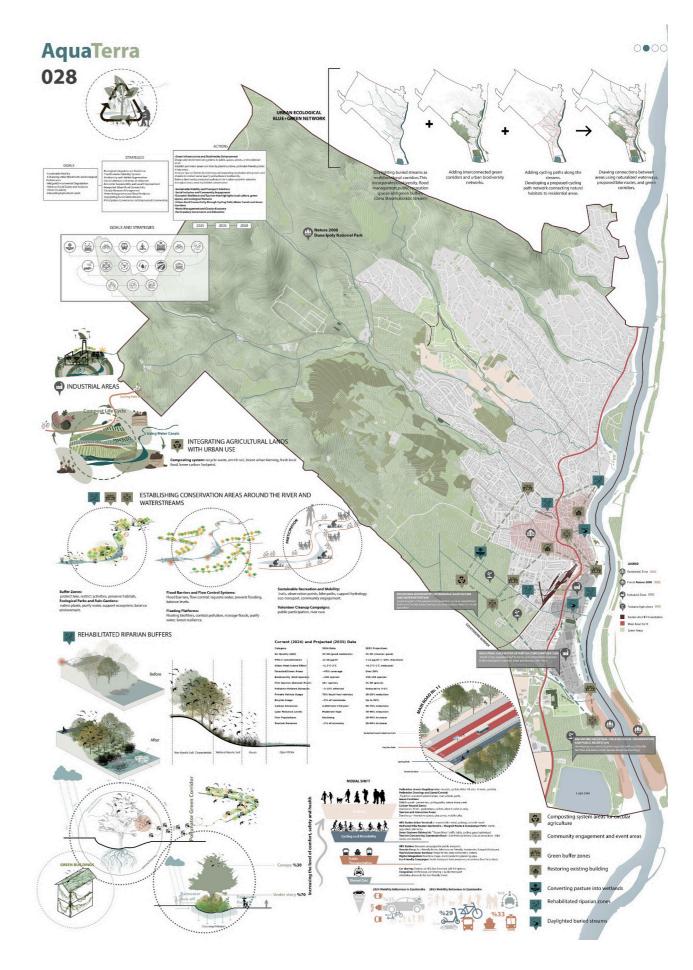
Economically, the project seeks to strengthen the local economy by providing sustainable job opportunities and promoting green businesses. The sale of organic products, such as produce from permaculture gardens and compost from the composting center, will generate income while supporting local agriculture. The tree nursery will offer seedlings for sale, contributing to reforestation efforts and providing residents with affordable, native plants. Additionally, eco-tourism will play a significant role in the project's economic viability. Visitors will be able to explore the arboretum, participate in educational workshops, and enjoy the natural beauty of the area, generating income through entrance fees and tour bookings.

To ensure the financial sustainability of the project, a variety of revenue streams will be developed. These include educational programs, product sales, eco-tourism activities, and sponsorships from environmental organizations and businesses. Government grants and private sector funding will provide initial financial support, while ongoing operations will rely on the income generated from the aforementioned activities. The project's success will depend on its ability to balance environmental goals with economic feasibility, ensuring that it can sustain itself in the long term. This initiative will not only transform Szentendre into a model of sustainable living but also serve as a valuable resource for the local community and visitors alike. By integrating environmental conservation with economic development and community engagement, the project will create a lasting positive impact. It will demonstrate how urban areas can harmonize with nature, offering a blueprint for future developments that prioritize sustainability, biodiversity, and social well-being.

AquaTerra 028

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AquaTerra 028

Key Partners

**Project Leaders** 

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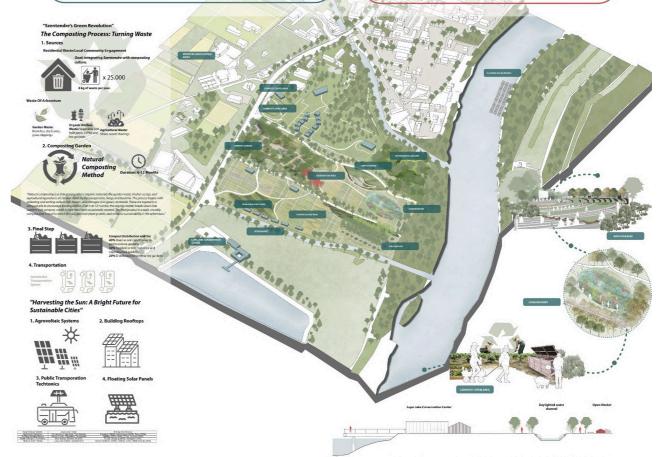


**Key Resources** 

AquaTerra Arboretum "Empowering the Earth, Inspiring the Future

Value Proposition Key Products

Cost Drivers
Natural Resource Managemer
Human Capital and Talent Inv



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## Friends with Benefits

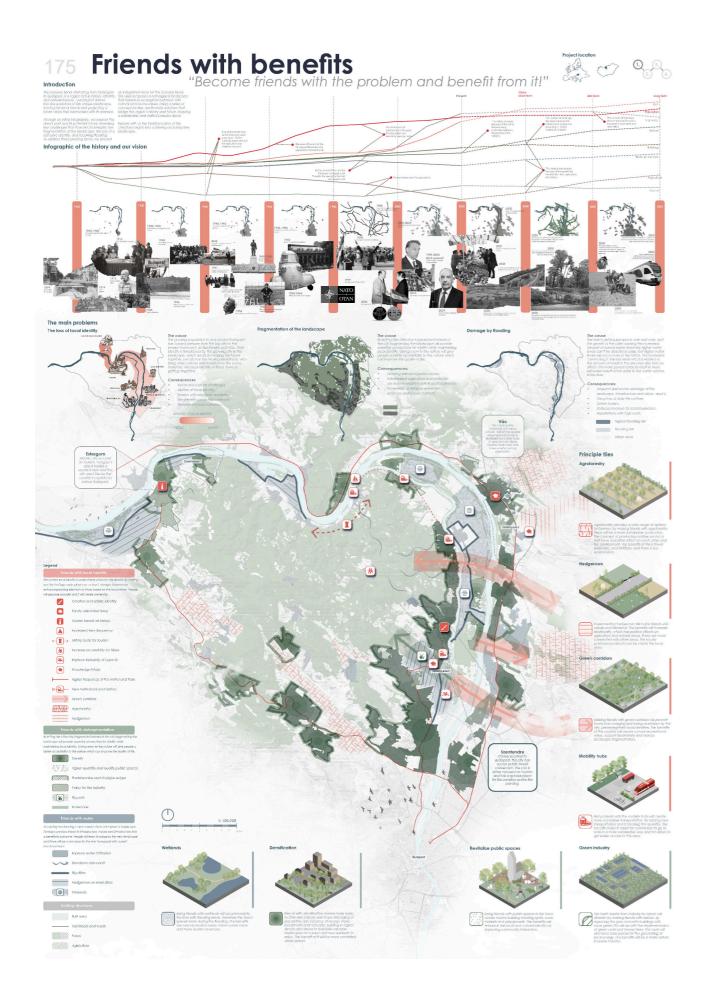
## Thomas Andriessen, Carmen Baptist, Thijs Kamp, Joep de Kruijk, Anique Maartense, Thea Bertilsson Salomon, Mirthe van Braak

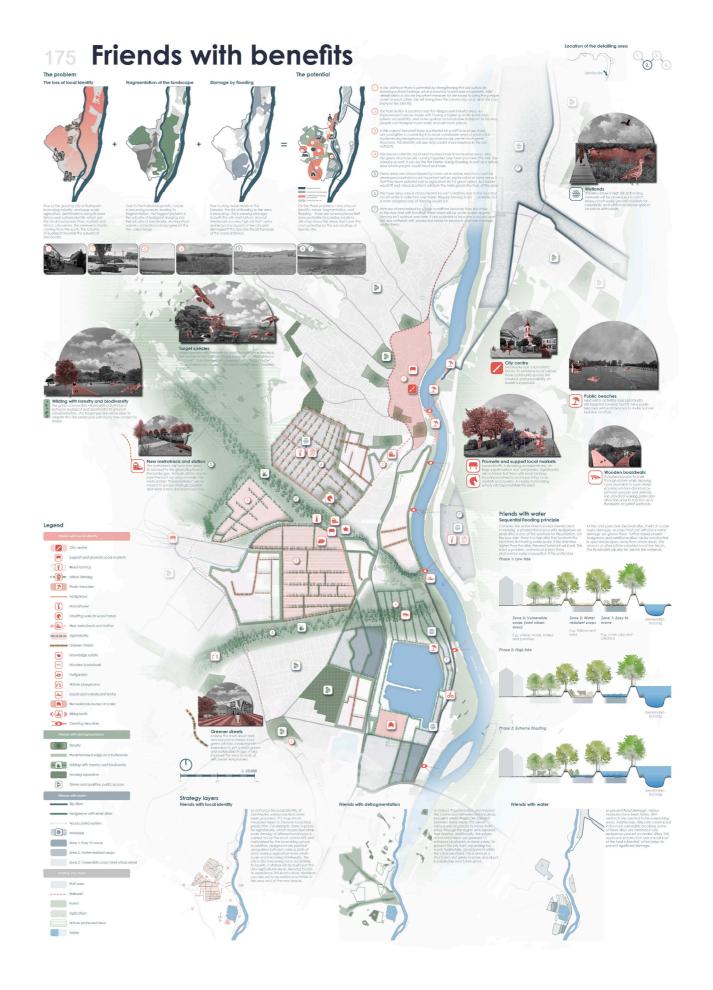
Hogeschool Van Hall Larenstein, The Netherlands

Around the Danube region, Budapest is influencing the landscape. With suburbanization, there comes fragmentation of the landscape, with large-scale agriculture. Meanwhile, with climate change, the Danube will flood more which will cause damage both affecting nature and people. The local identity is affected by the growth of Budapest's agglomeration because people bring their own identity. By making the green corridor there will be a bigger difference between the city and Szentendre that will strengthen local identity. Within this corridor, there will be a Knowledge Estate which will help residents, farmers, investors, and researchers to learn how to make beneficial use of the landscape which will also defragment the landscape. They will work together by producing bio-based materials, participating in design competitions, harvesting products for the local market, and much more.

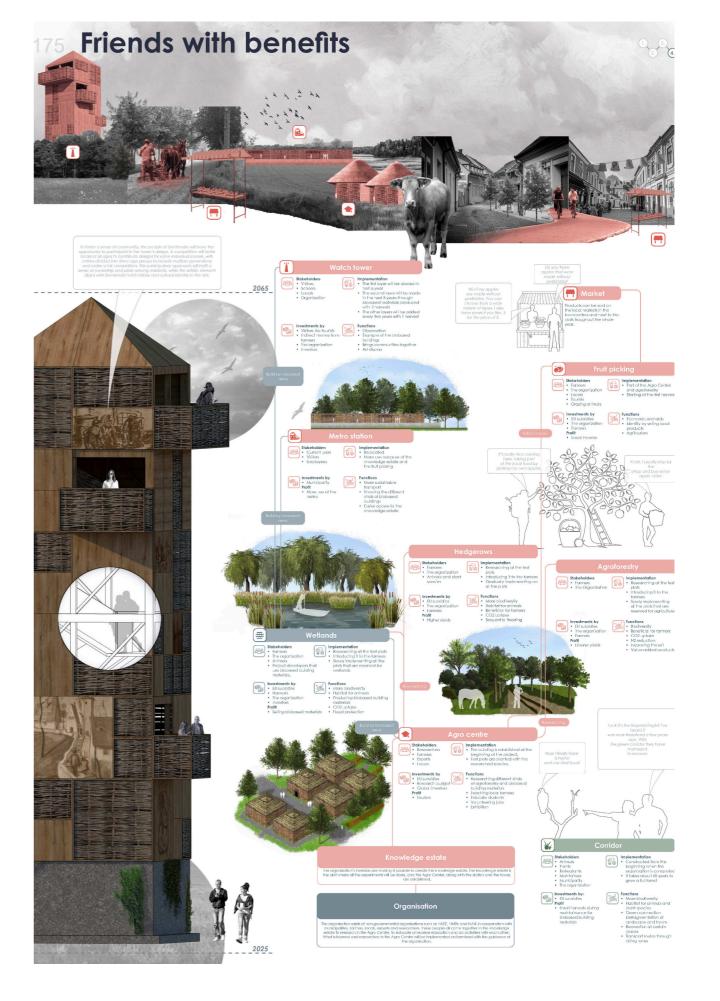
This will create an economic loop with stronger community cohesion. The new way of farming will be more sustainable because of the agroforestry with increased biodiversity and the corridor provides a connection for wildlife to the Danube. The growth of the landscape is represented by the way the tower grows over time. Starting with the base is the concrete which shows the current unsustainable ways of living, transitioning to a growing tower made from locally sourced bio-based materials.

Our vision is focused on turning the main problems into friends. Making within 40 years a sustainable landscape which humans and nature can benefit from.









## Danube Vitality

#### Sara Abdallah, Fidan Kazimli, Sakina Naghiyeva

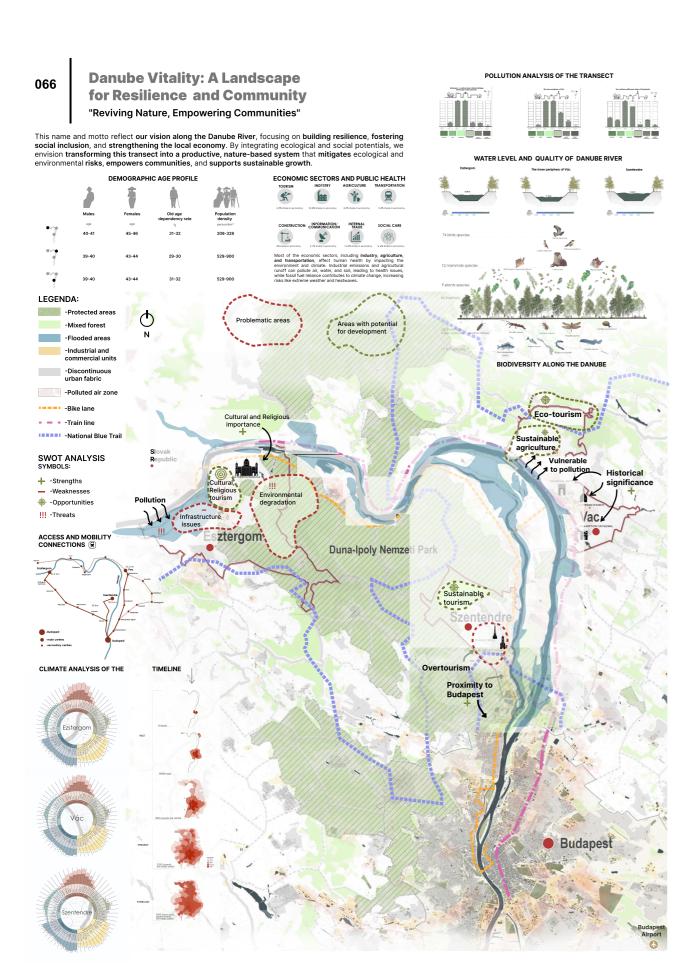
Sapienza University in Rome, Italy

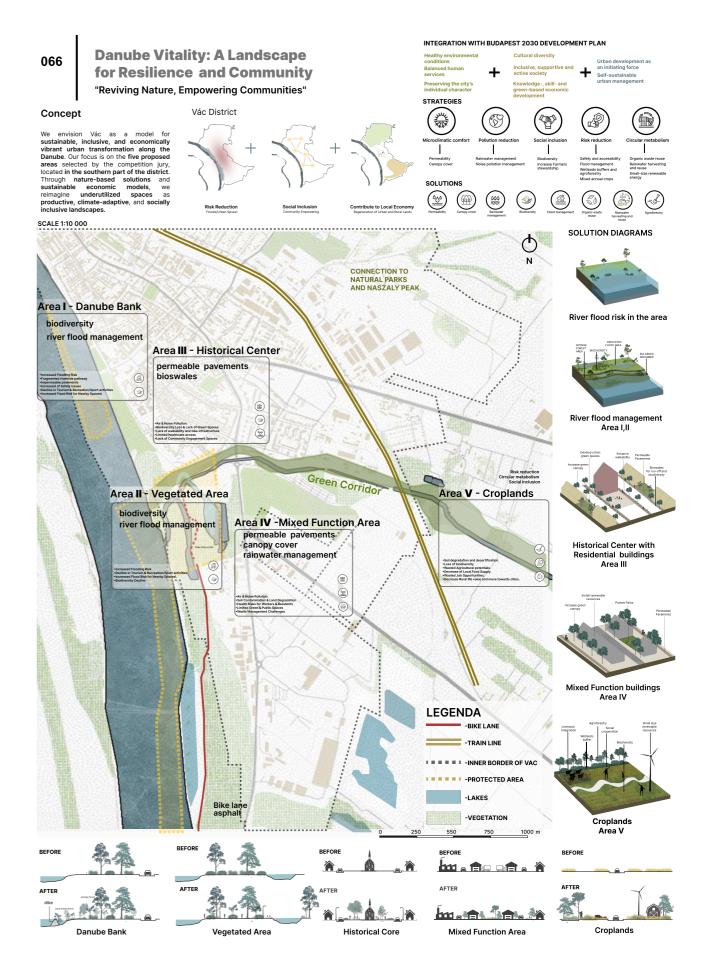
Our project started with a big-picture exploration of the Danube River, understanding its ecological environmental and social dynamics. We started by analysing the entire Danube transect, understanding how water systems shape landscapes, communities, and ecosystems. This helped us identify key challenges, particularly urban sprawl pressure, fragmented and undeveloped landscapes, floods and climate change risks.

Then, we zoomed into Vác, a district along the Danube, where we explored its local risks, social structures, and economic potential. We discovered that while the river is a vital resource, certain areas face flooding, underutilized spaces, and limited community engagement in green infrastructure. This led us to seek solutions that balance risk management, urban greening, and social well-being.

Further in Poster 3, we designed our urban orchard project, turning an unused urban land into a multifunctional green space. This orchard not only provide organic fruits but also fosters social inclusion, providing jobs, educational programs, and community spaces. Additionally, it supports the local economy creating a vibrant resilient model.

Finally, we developed "Bloom Vac", a business and social model that ensures the project's long-term sustainability. This model integrates economic, environmental, and social benefits, ensuring that the urban orchard thrives as a community driven space. We are proposing that, through these four phases, we transform a broad Danube-wide challenge into a local, impactful solution, demonstrating how nature-based strategies can create resilient, inclusive, and economically beneficial landscapes.



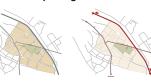


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#### **Danube Vitality: A Landscape** for Resilience and Community

"Reviving Nature, Empowering Communities"

#### **Urban Concept Diagrams**

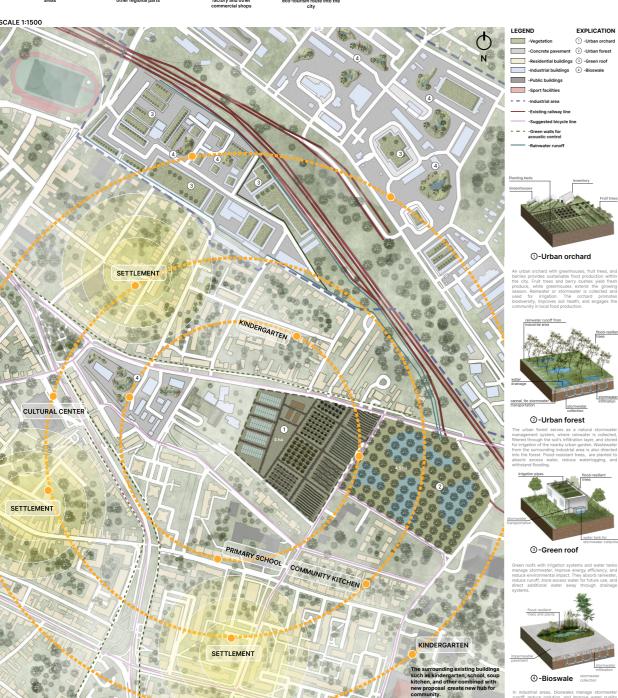






Bloom Vác

Living Connections: Planting Resilience, Inclusion and Growth in Vác
We focus on the revitalization of the underutilized spaces into vibrant hubs that is not only addressing local
economic development but also fostering community connections. we designed an urban orchard that serves
as a source of fresh, locally grown fruits, a gathering space and a learning hub. This initiative is expected to
generate new economic opportunities while promoting environmental sustainability and enhancing social
well-being. FRUITS TREES' PROPOSAL

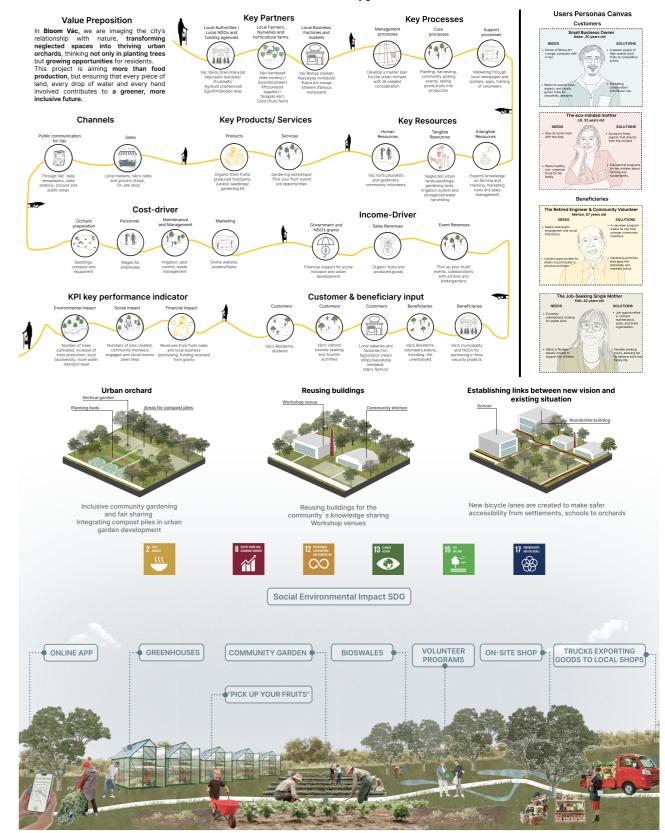


#### **Danube Vitality: A Landscape** for Resilience and Community

"Reviving Nature, Empowering Communities"

#### **Bloom Vác**

With the Urban Orchard in Vác, we want to provide fresh , affordable fruits while promoting food system and empowering the community. Through eco-friendly practices , training and education and job creation we can enhance food security, foster social inclusion, enhance biodiversity and support local



## Re:Connected

## Jannemijn Carlier, August Hansson, Sandhos Hibma, Nina Kleinstra, Anne Ottens, Martijn van Ruiswijk, Feie Zijlstra

Hogeschool Van Hall Larenstein, The Netherlands

The Hortus Hungarikum: empowering local voices to make landscape choices

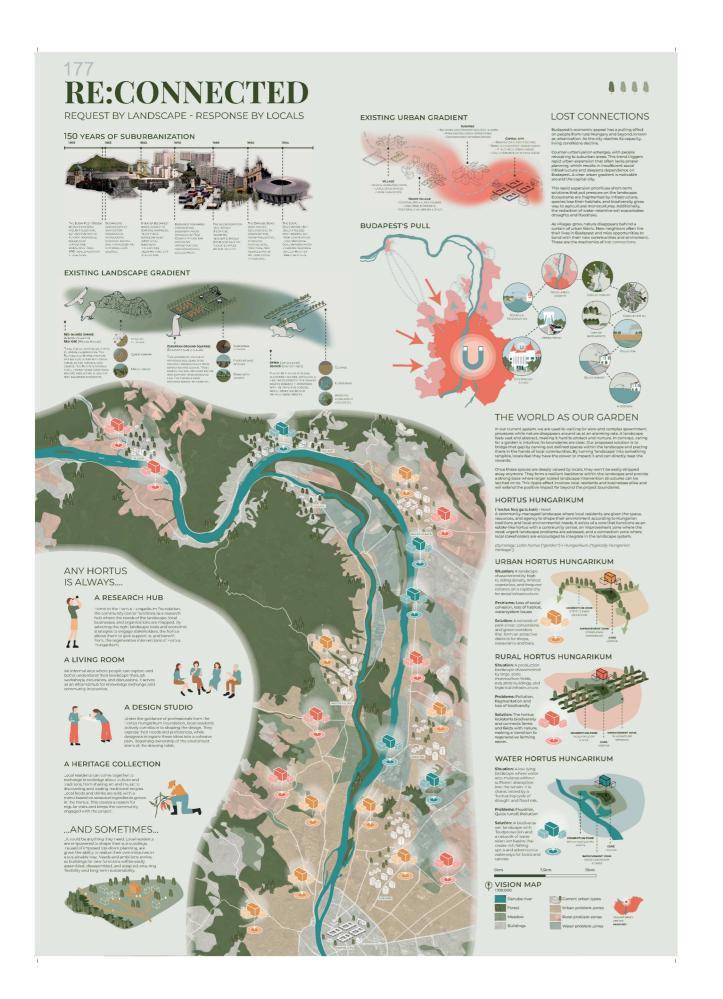
The Hortus Hungarikum inspires locals to reclaim their landscape, addressing challenges like urbanization, fragmentation, declining social and environmental quality. Commencing as a foundation, initiated by a few and developed collectively, eventually involving the broader community.

The Hortus bonds residents and is used for planning and designing purposes. By executing affordable, labour-intensive measures creators will transform the landscape, providing benefits such as a cohesive community, robust ecosystems, flood resilience, and opportunities for local products, cafés, and tourism.

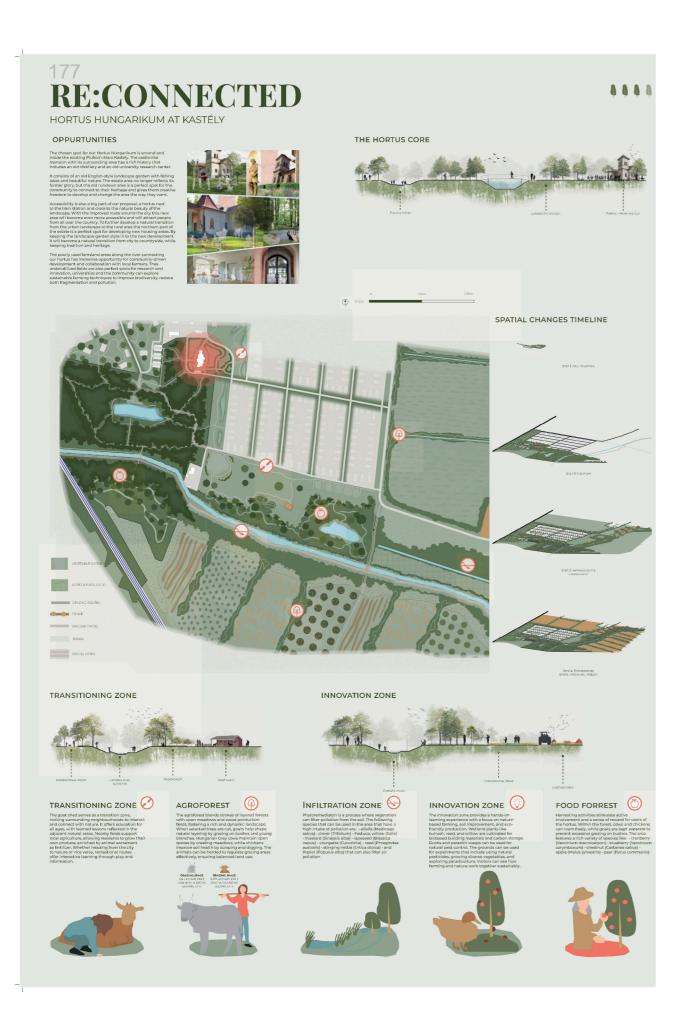
With ongoing collaboration and planning, the landscape evolves to meet community, nature and climate needs while the community fosters ownership. Residents have the best understanding of their community's needs, living conditions and environment. By connecting the community with higher-level stakeholders, valuable knowledge is exchanged.

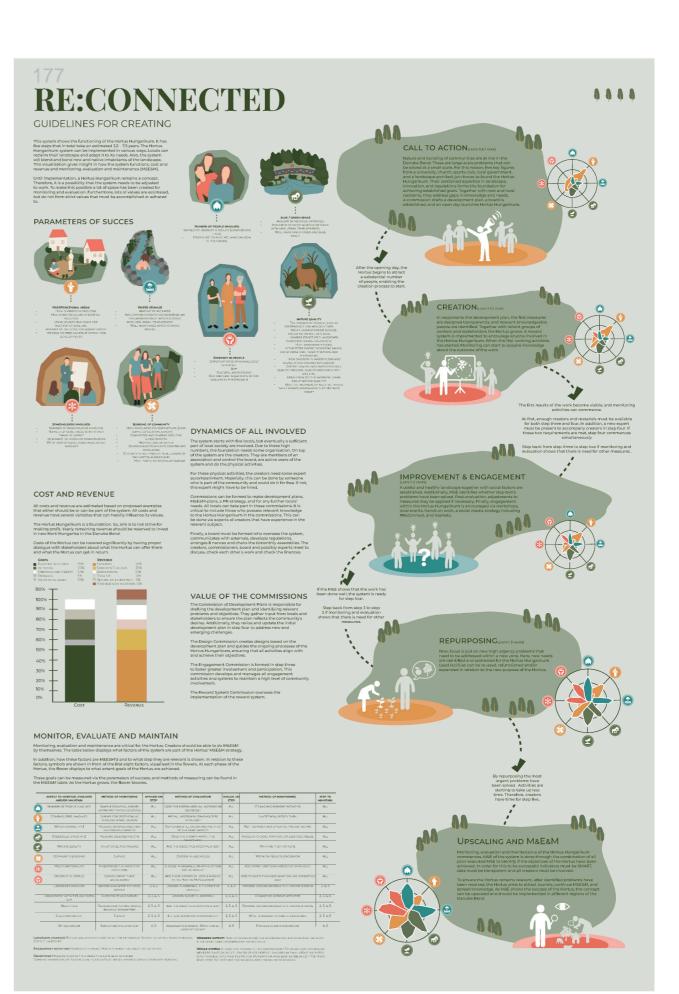
Vác, located north of Budapest, shows the problems of the Danube bend clearly. New housing blocks are built at the side of the city disrupting the natural system. New residents in these blocks are solely focussed on Budapest. In order to fix these problems we proposed three Horti Hungarika for creators to implement. The Rural Hortus Hungarikum is displayed in more detail. A former mansion is restored and turned into a beautiful Hortus.

Ownership by the people, a landscape returned to its former glory and social bonding in communities: these are the objectives they can achieve by implementing a Hortus.









## Living Boundaries

#### Marko Drozd, Oskár Madarász, Yifei Shen, Yi Sun

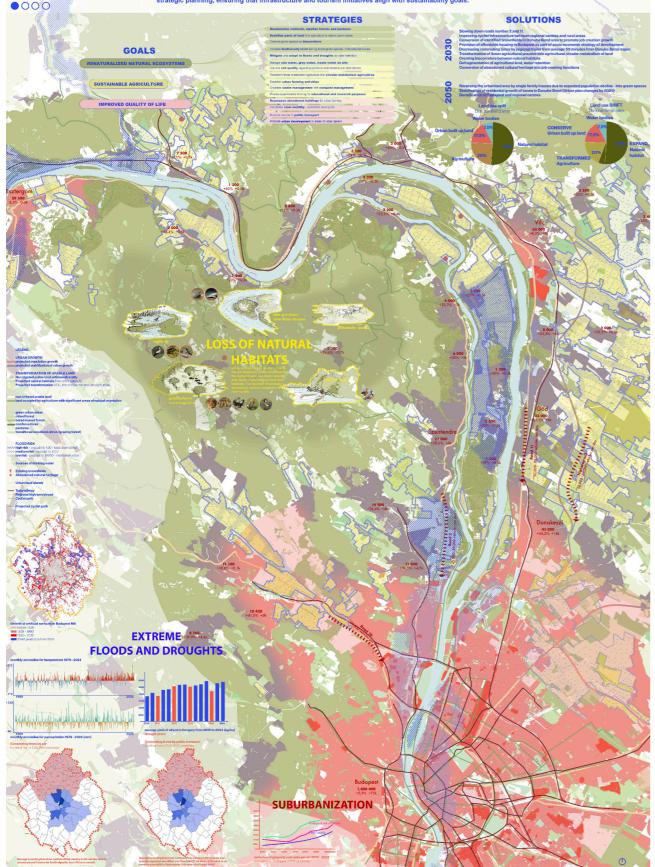
Sapienza University in Rome, Italy

One of the defining features of the Danube Bend region is its rich arable land, which is becoming increasingly valuable due to climate change. However, rapid suburbanization and unsustainable farming practices threaten its future, leading to soil degradation and loss of active farmland. Living Boundaries envisions a future where this land is managed sustainably producing food for local citizens while supporting diverse ecosystems. The agricultural landscape is transformed into a network of small-scale urban farms and regenerative agricultural spaces, seamlessly integrated with wetlands, riparian forests, and Danube River streams. This approach restores balance between human activity and ecological processes, creating a selfsustaining circular system. Urban farming enables people from all social backgrounds to grow, trade, or sell produce at local markets while also creating agricultural career opportunities. This model challenges largescale monoculture, which harms biodiversity, depletes soil, and increases vulnerability to droughts. By integrating green and blue infrastructure, this vision ensures sustainable water management and preserves soil fertility. The new agricultural mosaic acts as a buffer against climate extremes, reducing the risks of floods and droughts. Communitydriven farming and ecological restoration reconnect people with nature, fostering knowledgesharing, hands-on education, and stronger local food systems.

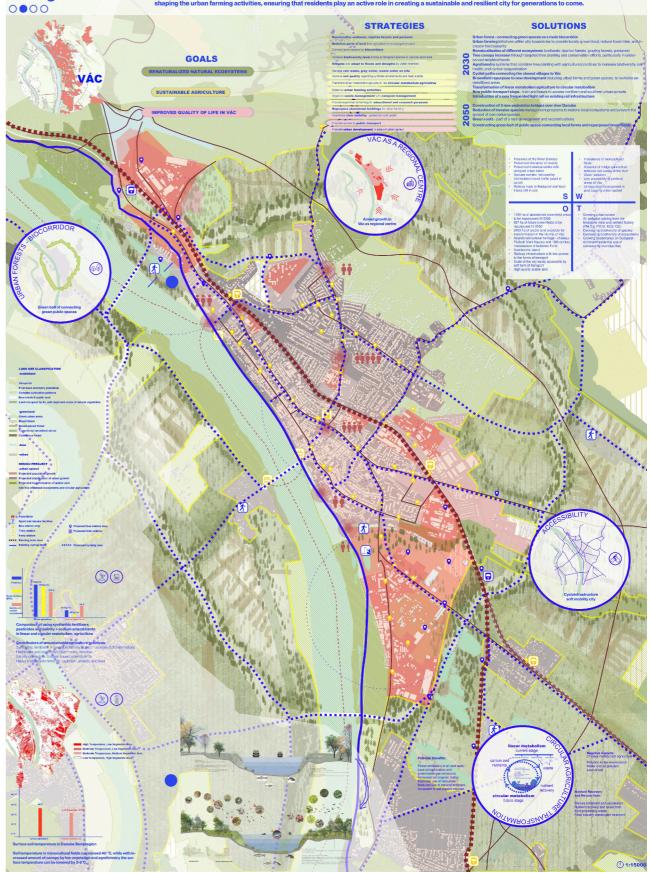
Through this holistic approach, the Danube Bend region can become a model for sustainable landscape transformation, one that prioritizes both human well-being and biodiversity conservation.

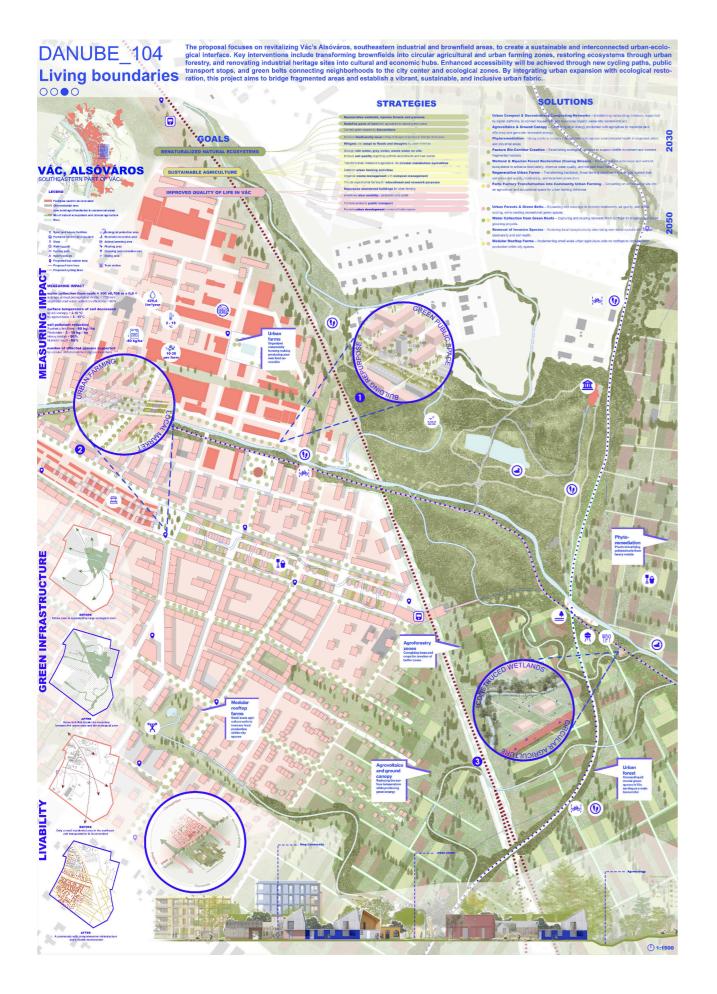
DANUBE\_104

The alternative vision for the Danube Bend landscape does not require a major transformation, as such they enhance or devalue the region. Instead, the focus should be on preserving and conserving the exist state. On one hand, this approach may seem modest, but at the same time, maintaining these values is clean average population increase of 15-20% in every town within the Danube Bend. Additionally, economic hancing both cultural and natural heritage, reinforcing the area's ecological and social values. This bala strategic planning, ensuring that infrastructure and tourism initiatives align with sustainability goals.



# DANUBE\_104 Living boundaries ••••



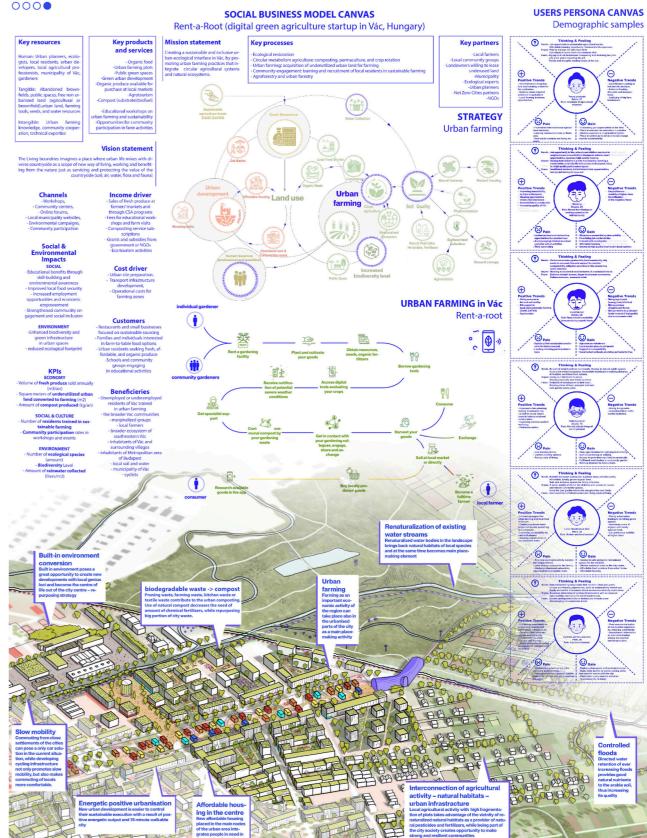


Ins model creates availability for local inhabitants to either grow their own foods, create a small business by selling them or to buy from local farmers without having to buy.

Living boundaries

Living boundaries

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## Climate-positive Future

### Mojtaba Nafari, Saman Hoodfar, Nino Kakhetelidze, Vyara Mihaylova, Alexandra Filipova

Sapienza University in Rome, Italy

This project proposes a comprehensive climate-positive urban regeneration plan transforming it into a model for development along the Danube River corridor. Through ecological restoration, resilient transportation, and a circular economy approach, the project aims to establish a resilient and net-positive urban environment.

The ecological strategy focuses on restoring wetlands and riparian green spaces, improving biodiversity, and mitigating flood risks. Ecological corridors will reconnect fragmented habitats, while nature-based solutions—such as permeable surfaces, urban forests, and green roofs—will reduce the urban heat island effect and enhance climate resilience.

A key intervention is the introduction of a zero-emission mobility network. This includes expanded cycling infrastructure, electric shuttle services, and improved river-based transport, reducing dependency on private vehicles and enhancing connectivity to Budapest.

The project also integrates a Farm-to-Market Social Enterprise to support local agriculture and foster a circular economy. A regional food distribution network will connect local farmers directly with urban consumers, reducing food miles and promoting regenerative farming. An agro-innovation hub will serve as a center for climate-friendly farming, education, and entrepreneurship, with initiatives such as community-supported agriculture, farmers' markets, and cooperative food processing.

Structured in short, medium, and long-term phases, the project ensures a balance between environmental, social, and economic well-being. Vác will become a climatepositive urban model, demonstrating how cities can actively contribute to ecological restoration while fostering economic resilience.

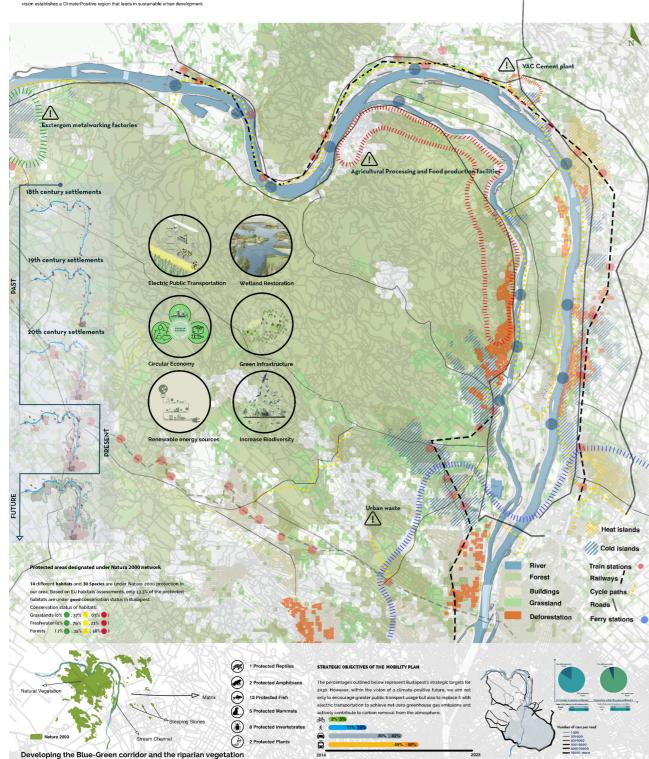
## **Climate-Positive Future** 109 **---**

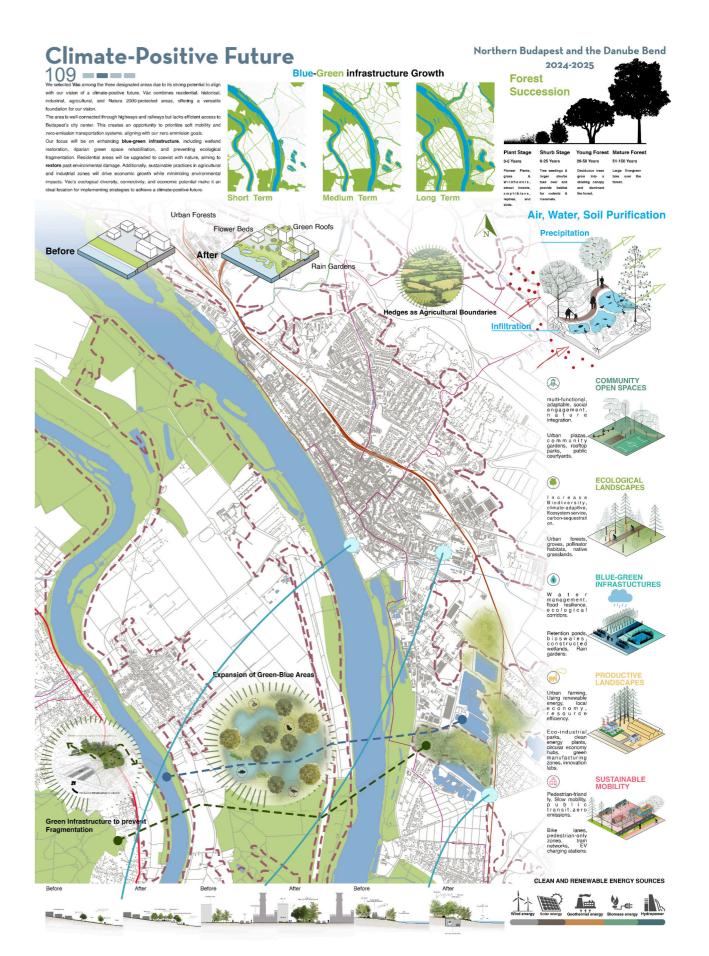
This project envisions a **Climate-Positive Future** along the Danube River corridor, transforming the spaces between Budapest and Extergen into an interconnected, regenerative urban landscape. Through innovative, austranable design stategies, the project aims to surpass net-zero emissions and establish a region that actively contributes to climate recordance while generating new economic opportunities. The project will not only reduce carbon emissions but also create jobs, stimulate green investment, and support a thriving local economy. Our poal is to establish an ecosystem where urban life and nature coexist, fostering a healthier and more balanced relationship between people and their environment.

At its one is regenerative thantism, where development returns more resources than it consumes, supporting both ecological and to come in cellinate with a fossion and green jobs, sustainable touriers, and revitabling understood spaces, the project ensures equitable access to green spaces, transportation, and local resources. Evolving over short, medium, and long-term phases, this

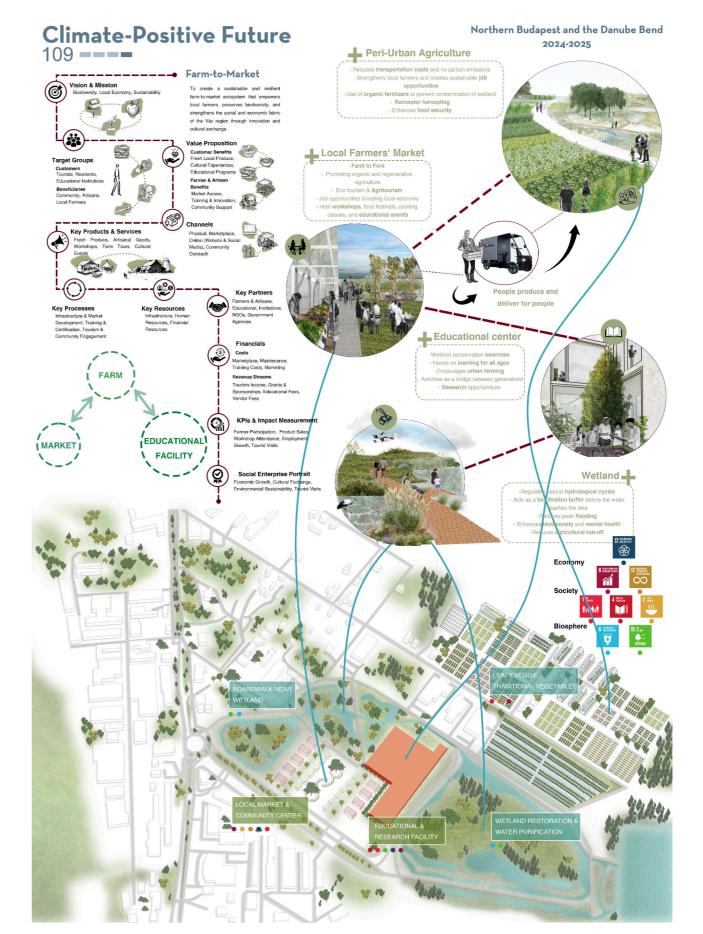












## **Entwined**

### Charlie Bailey, Todd Carroll, Shabnam Eshghi, Lashika Sabesan, Veronika Surovtseva

HSWT Weihenstephan-Triesdorf University of Applied Sciences & Nürtingen-Geislingen University, Germany

The Danube Bend is a region where natural landscapes, cultural heritage, and urban settlements intertwine. As one of Europe's largest river systems, the Danube has shaped both the physical environment and human history. Today, the region faces challenges from urban sprawl, fragmented landscapes, and disconnection between settlements and the river. Our vision, Entwined, aims to prevent uncontrolled expansion, strengthen ecological corridors, and reconnect people with the Danube.

At the regional scale, we structure the landscape through a rhythm of green and urban spaces. The Duna-Ipoly National Park, Szentendre Island, and the eastern floodplains are linked into a continuous network of forests, agricultural lands, and flood zones. These green corridors serve as biodiversity habitats and play a role in flood mitigation while maintaining a clear boundary between urbanized areas and nature.

Instead of new high-speed infrastructure, we enhance mobility through alternative transport options. A slow-speed river transport system with a series of piers in the western branch of the Danube improves accessibility between key nodes while maintaining the ecological balance of the river.

At the urban scale, we examine settlement structures along the river, particularly in historical towns like Vác and Szentendre. Many of these towns have lost their connection to the waterfront due to industrial barriers and outdated zoning. Our proposal reclaims these spaces, repurposing underused industrial and military zones into mixed-use districts with residential and commercial functions. Strengthening existing green belts prevents further urban sprawl and ensures a better relationship between the built environment and natural systems.

# Third Round

Focusing on Szentendre's southern periphery, we translate this regional approach into a detailed urban vision. The goal is to Increase value of city periphery by diversification of edge qualities - encouraging heritage agriculture. Green typologies vary from open agricultural lands, urban foodscapes such as community gardens and orchards entwined into semi-urban fabric of residential edge, to multifunctional parks and deculverted waterscapes.

A strong green framework – green belt and corridors through the town - brings residents to the Danube through a sequence of agricultural lands, urban foodscapes, community gardens, and multifunctional parks. Underused commercial zones by the river are restructured into new residential areas oriented toward nature, while the central district near the station is densified to support economic activity and local services.

Szentendre's artistic legacy is reinforced through the transformation of its historic fabric into a contemporary cultural center. This distributes activity across the town with new public spaces and leisure areas along the river. Additionally, heritage agriculture is integrated into the urban edge, connecting residential areas with historical wineries, orchards, and gardens. Deculverting waterways restores lost hydrological connections, creating a more dynamic relationship between settlements and the Danube's floodplain.

By entwining ecological restoration, cultural identity, and urban renewal, our vision ensures a balanced and resilient future for the Danube Bend. Through careful land use strategies, integrated transport, and stakeholder engagement, Entwined strengthens regional connections while enhancing local quality of life.

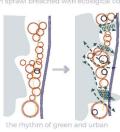
## 148 ENTWINED communities / nature / river REGIONAL CONCEPT • 0 0 0

#### LOCATION



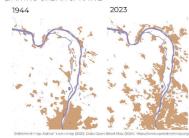


ENTWINING NATURE WITH URBAN LIVING

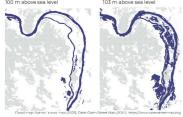


Unsustainable suburban sprawl is mitigated through the densification of single-family housing. Densifying neighborhoods prioritises valuable green space, meaning wildlife habitat and people's connection to nature is improved and entwined.

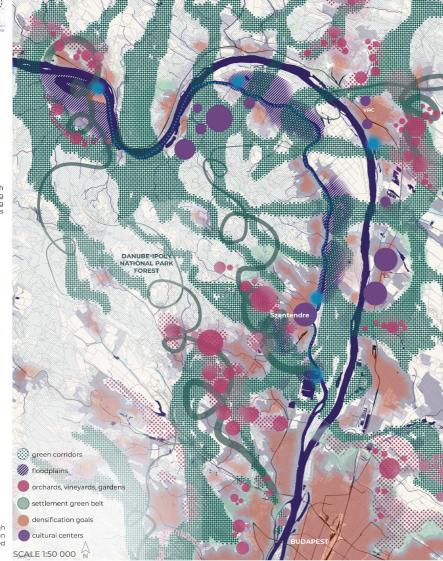
#### LIMITING URBAN SPRAWL



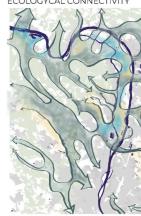
MITIGATING FLOOD RISK



Climate-change-induced flood risk is reduced through the incoporation of impermeable urban surfaces, an increased carbon intake, and the daylighting of culverted watercourses into SUDS.



ECOLOGYCAL CONNECTIVITY

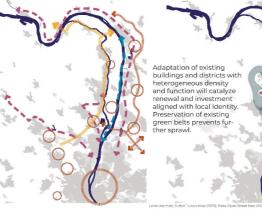


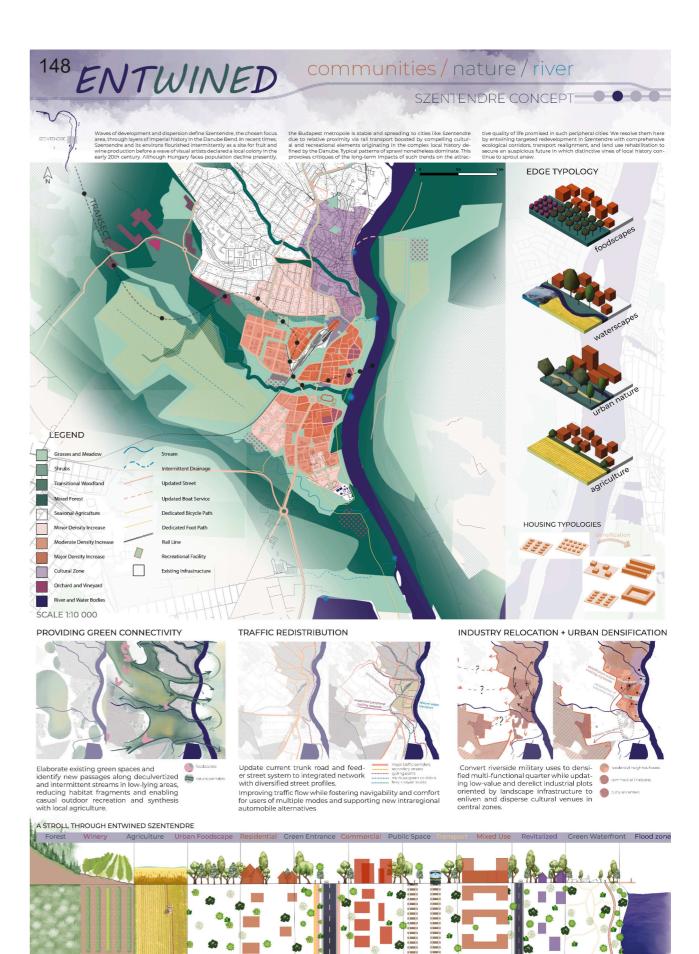
Local ecology emanates from the forest-ed hilltops and the river basin, connected by groves cascading toward alluvial flood plain. Augmenting these tracts and their trans-Danubian corridors supports biodi-versity and impromptu interaction with nature for all beings.



Area nigh-speed roads runnels traffic parallel to the Danube by skirting the periphery of existing nodes, encourag-ing sprawl. Enhanced localized transport links of varied modes and speeds will broaden network capacity and improve connections while nurturing a sense of place in regional centers.

BROADEN TRANSPORT NETWORK URBAN STRUCTURE TRANSFORMATION







# 148 ENTWINED communities / nature / river

PARTICIPATORY PROCESS TIMELINE

SIONING AND FOUNDATIONS **Co-create Goals** 

EARLY IMPLEMENTATION AND

**Cultural Fair** Pop-Up Prototypes Mobile App for updates SCALING AND SOLIDIFYING

Participatory .

**Scenario Planning** 

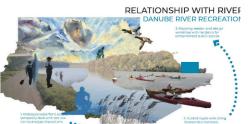
INNOVATION AND REFLECTION

Exchange Rier Feetinal Updates Master Plan **Global Knowledge** Expand Community
Engagement Plateform

#### INTERACTIVE DESIGN STRATEGY 000











STAKEHOLDERS MAPPING



#### SOCIOECONOMIC SYSTEM MODELS



INDUSTRIAL RELOCATION



# SZENTENDRE ISLAND AGRO-TOURISM

## Eco-Resilient Urban Node

## Serra Aleyna Bilgin, Oguzhan Sahin, Safaa Nohair, Ayshan Hajiyeva

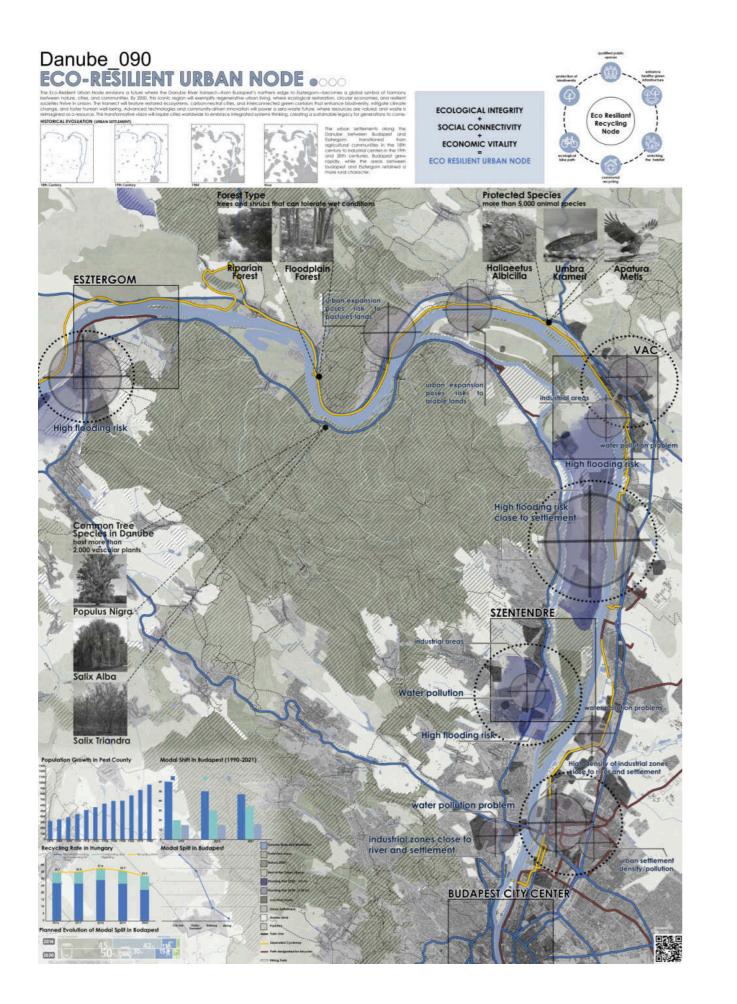
Sapienza University in Rome, Italy

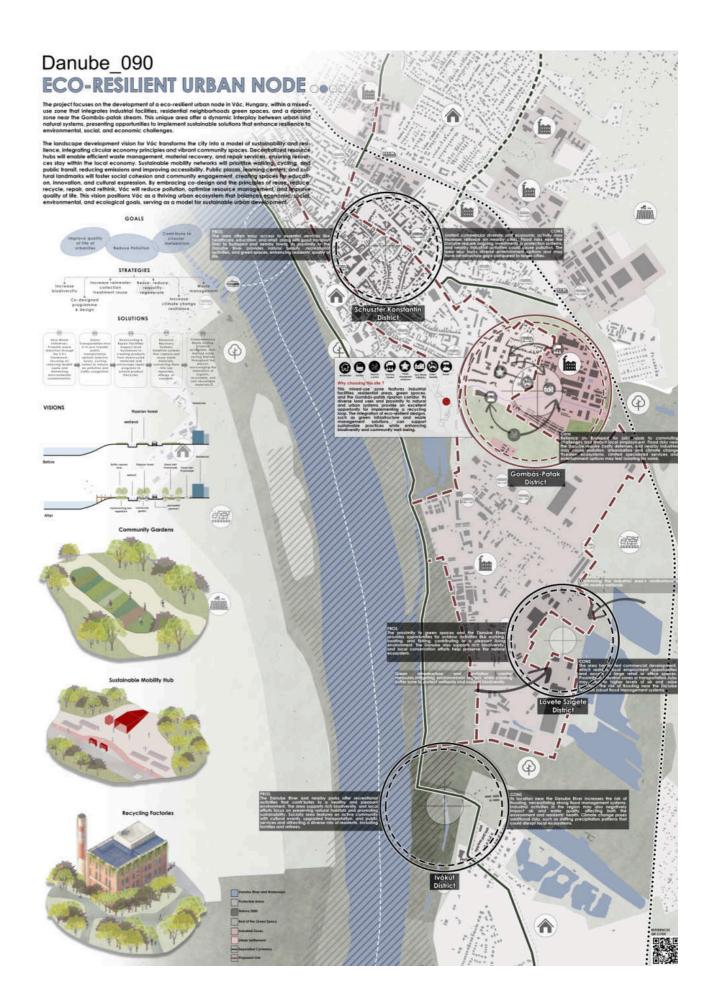
The Eco-Resilient Urban Node envisions a future where the Danube River transect becomes a global symbol of harmony between nature, cities, and communities.

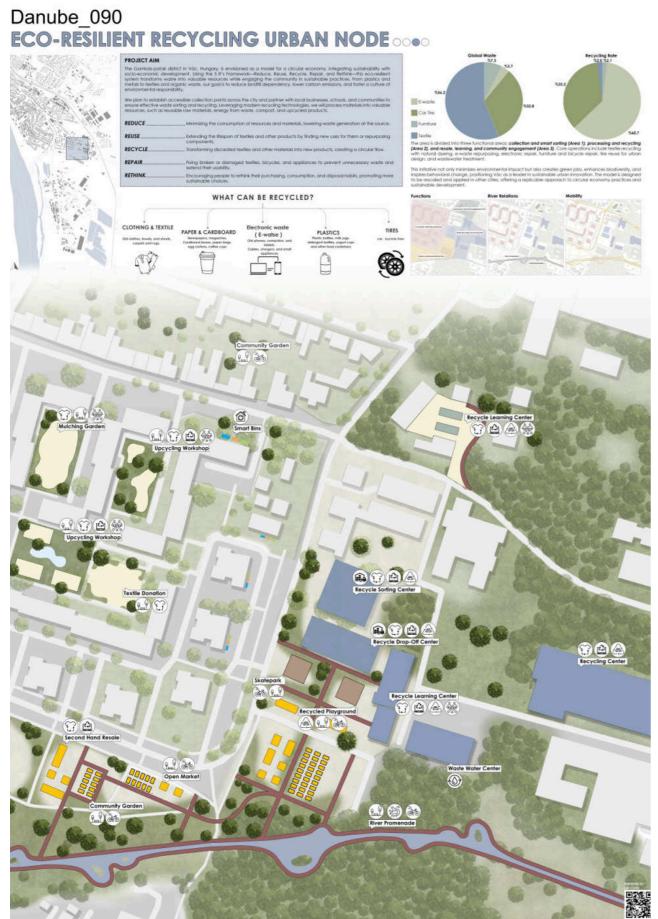
By 2050, this iconic region will exemplify regenerative urban living, with restored ecosystems, carbon-neutral cities, and interconnected green corridors enhancing biodiversity, mitigating climate change, and fostering human wellbeing. This transformative vision will inspire cities worldwide to embrace integrated systems thinking, creating a legacy of resilience for generations to come.

At its core lies Vác, a city transforming into a model of resilience. The Gombáspatak district pioneers a circular economy hub, applying the 5 R's Framework (Reduce, Reuse, Recycle, Repair, Rethink) to transform waste into resources. The initiative includes the Textile & Natural Dyeing Center, recycles and dyes fabrics using plant-based colors; Electronic E-Waste & Plastic Recycling, extracts materials from electronics and converts plastics into new products; Furniture and Bicycle Repair Hub, restores and resells items, extending their lifespan; Tire Repurposing, transforms tires into urban furniture and playgrounds and the Wastewater Treatment Plant, cleans and reuses water from dyeing and industrial processes. The project divides the area into functional zones: Zone 1 for collection and sorting, Zone 2 for processing and recycling, Zone 3 for resale, learning, and community engagement.

A highlight is the textile recycling and natural dyeing initiative, which transforms discarded textiles into vibrant fabrics using plant-based, non-toxic dyes. The Textile & Natural Dyeing Center promotes eco-friendly fashion and local craftsmanship. This scalable initiative can be adapted to other cities, offering a blueprint for integrating circular economy principles into urban systems worldwide.









# Building Tomorrow with Yesterday

Nóra Szélyes, Boglárka Molnár, Balász Csép, Nikoletta Kribus, Emma Bodor

Sapientia Hungarian University of Transylvania, Romania

Our goal was to create harmony between nature, the built environment, and the community, recreating the marshy landscape of the past and setting an example for other cities. We envision transforming Vác Liget into a sustainable, biodiverse, community-focused area that blends heritage with innovative design.

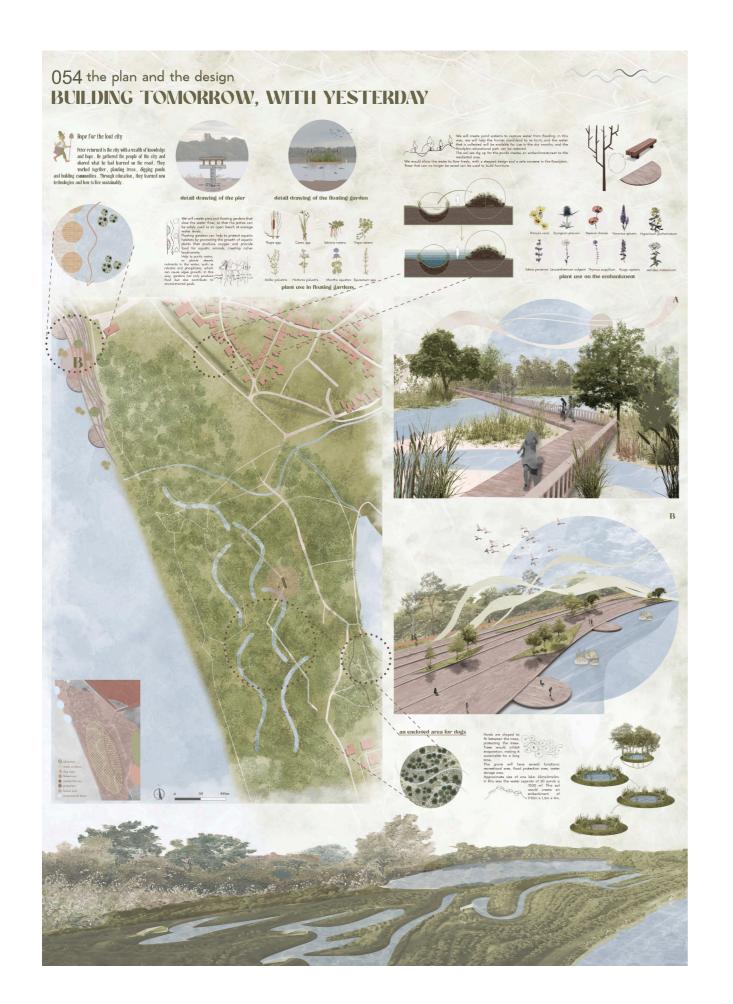
Our main concept focused on connecting sites, freeing up the watercourse, managing water, enhancing urban biodiversity, and fostering a closer connection to nature. We chose the Liget, in Vác, and found that the relationship between the environment and people was one-sided. While flooding is a concern at certain times, our goal was to not only address drainage but also to store water for the dry months when it's needed most.

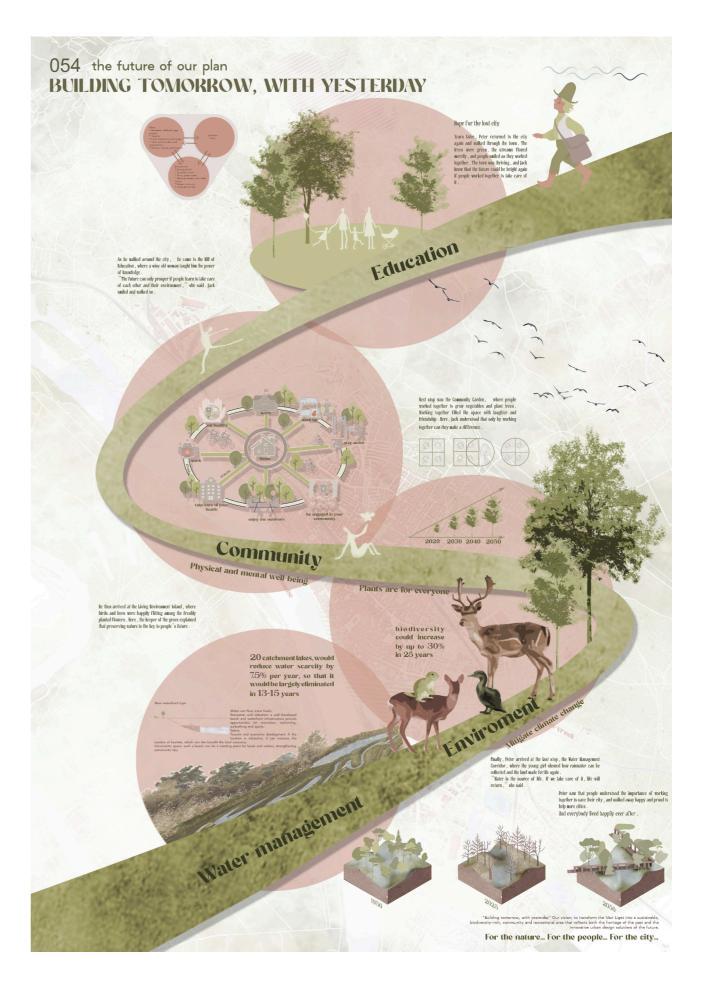
The most important part of our plan is to create a pond system in the grove where there was once a marsh, and an amphitheatre waterfront with jetties and floating islands to slow the water flow but still give it a free path.

The pond system will be filled in during floods and trees will prevent evaporation. In this way, we will help the former marshland to re-form. The soil we dig up for the pond creates an embankment,next to the residential area. We would allow the water to flow freely, with a stepped design and a safe increase in the floodplain. Approximate size of one lake: 25mx5mx3m. In this way the water capacity of 20 ponds is 7500 m³. 20 catchment lakes, would reduce water scarcity by 7.5% per year.











## **International Student Competition Exhibition**

From placelessness to a radical HERE. Exploring Budapest's northern periphery and the Danube Bend.

This preview shows the wining teams and the third round finalists of the 2025 student competition.

We received 51 submissions from 12 different countries in total.

All projects have been intensively evaluated by an international jury of eight experts.

We will soon present all submissions online.

See you at the Landscape Forum in Budapest and Vac from June 18 - 21. 2025 https://forum.ln-institute.org
https://forum.ln-institute.org/student-competition-2024-2025











