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CO-LAND - Inclusive Coastal Landscapes

Activating green and blue infrastructure for
sustainable development of the urban-land interface

ERASMUS+ Strategic Partnership No. 2017-1-RO01-KA203-037161

Presentation by Igor Sirodoev

*using materials elaborated by Ellen Fetzer,
Irina Florea-Saghin and other Co-Land team
members and participating students*



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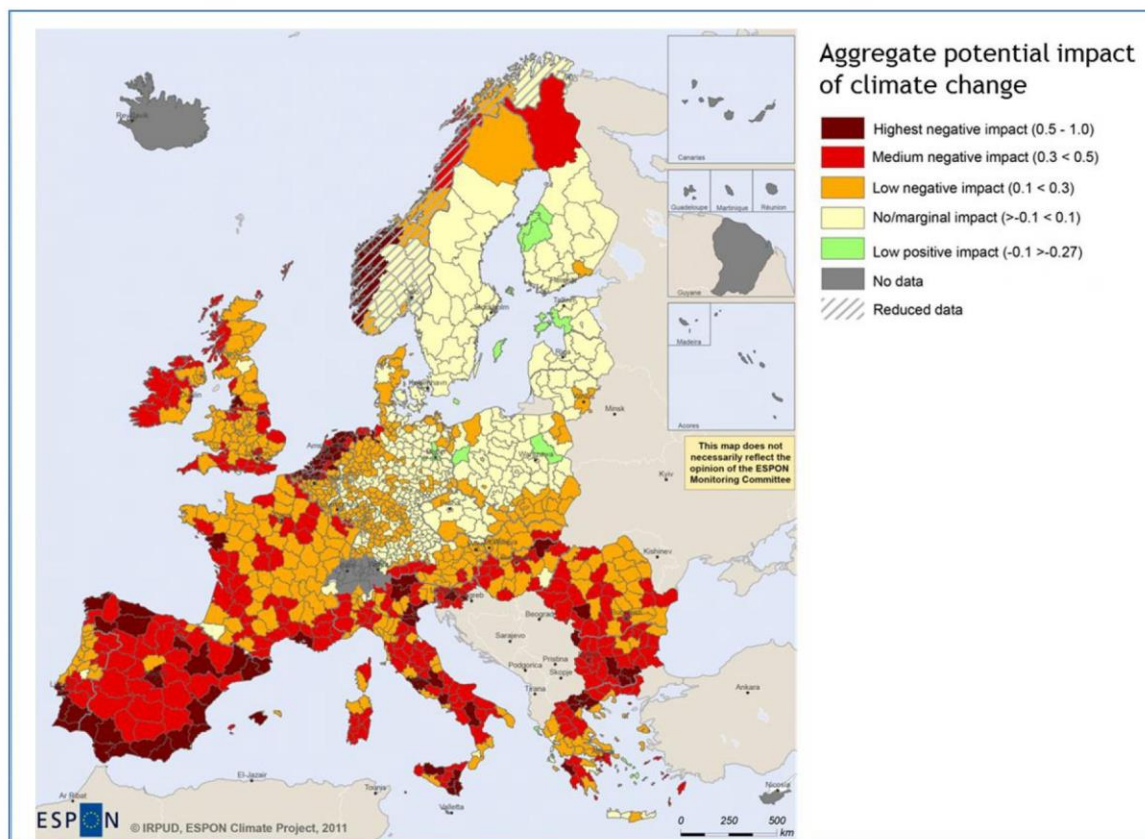
LE:NOTRE Institute
Linking landscape education, research and innovative practice





Coastal Landscapes matter because:

They are at risk.



Aggregate potential impact of climate change on Europe's regions. In this map, the potential physical, social, economic, environmental and cultural consequences of climate change on natural and human systems are aggregated. Source: ESPON, 2011

Priorities

- A European blended learning module on integrated planning and design for coastal landscapes will enhance the quality of higher education.
- We will introduce innovative digital practices and learning methods of which both learners and educators will benefit.
- There will be impact at the local level because the course participants will actively engage with the different coastal communities and develop sustainable development ideas for a real-life context.
- Partnership with the local communities will be an integral part of this project and greatly enhance the effectiveness of the learning activities.
- The partnership will also support the project's sustainability and create a foundation for follow-up activities.

Activities

- curricular innovation by introducing integrated planning and design as a cross-disciplinary subject
- introduction of interdisciplinary, problem-based learning environments - both online and on site
- introduction of an open access online course unit and open educational resources for opening up education for target groups outside the formal university context
- introduction of highly interactive online learning activities based on constructivist learning theory
- further education of teaching staff in the above mentioned areas
- local/regional impact of the problem-based learning activities by taking up local problems and attempting to address them by integrated approaches
- mutual learning of all European partners involved, increase of European awareness and diversity appreciation
- the new course aims to foster transformative competences. Students should develop into promoters of sustainable change by democratic leadership and empowerment of local actors. We expect that these competences will be key to sustainable local development on the one hand but also greatly enhance the students employability.

Outputs

1. A comprehensive set of ICT-based learning materials on the topic of integrated development of coastal landscapes: theories, methods, tools and case studies. A mixed-media approach will be applied combining digital repositories, synchronous online seminar, video lectures and social media. Active integration and validation of existing resources from previous projects done at the national/European level and curricular integration to ensure their continuous use.
2. A guidance report for university staff on 'How to teach integrated development of coastal areas', in particular including evidence based findings based on the evaluation of the teaching activities undertaken during the project. The report will further include an online tutorial on how to integrate ICT-tools for teaching and address the topic of transdisciplinary learning scenarios.
3. Broad competence development of staff and students (subject-specific, methodical, personal and transformative competences)
4. A new partnership between universities and municipalities to ensure the sustainability of the activities



Then join us in the CO-LAND Course on inclusive coastal landscapes!



COLAND Team at the first consortium meeting in Bucharest, December 2017

THE CO-LAND Project Consortium





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Main page

Dear visitor, this wiki serves as collaboration platform for transnational learning activities organised within the ERASMUS+ Consortium 'Inclusive Coastal Landscapes'. The wiki is coedited by all seminar participants. For more information on the COLAND project please also visit our [project website](#).

Why coastal landscapes matter

Coastal landscapes across Europe are often characterized by overlapping and competing land uses. They are focus areas for settlements and infrastructure, especially road and train networks, and many industries and commercial zones that benefit from close access to harbours. Conversely, the tourism industry is also a major driving force with its own development dynamics and typical spatial patterns. All those economic potentials have attracted people to settle on the coast. This process is ongoing, leading to unsustainable development such as urban sprawl and irreversible consumption of soil and other natural resources. However, water-based recreation has various positive effects on human health and wellbeing – in relation to physical exercise and mental wellbeing, which is why on the one hand people love to visit the seaside on vacation while on the other hand poor or restricted access to waterscapes raises issues of social equity and spatial justice. The urban-land interface is also an important and often vulnerable habitat zone for flora and fauna which brings additional demands on such areas and also places them at risk from damage and degradation the territory. Being a pole of human settlement since early times, coastal landscapes are also often extremely rich in cultural heritage and form part of our collective memory and identity. Their



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Black Sea spa landscape in Mangalia, Romania



What we offer:

- **Twelve live sessions on the internet** with international lecturers, invited experts and a lot of interactive learning
- The possibility to **receive a grant** for attending a **10-days workshop on the Black Sea in Romania**, hosted by Ovidius University Constanta and the Municipality of Mangalia
- **Interdisciplinary and international group work** with students from Romania, Estonia, Germany, Italy, Belgium and other countries
- Core knowledge for **integrated planning and design**
 - Understanding Coastal Landscapes
 - Evaluation and Assessment of Coastal Landscapes
 - Integrated Planning and Design for Coastal Landscapes



Mangalia Workshop September 2018



Focus topics

- Sustainable urban development
- Tourism
- Heritage
- Community-based planning
- Green Infrastructure
- Ecosystem services
- Sustainable transport
- Transboundary strategies
- and much more....

Mangalia beach, photo: Ellen Fetzer 2011

Registration and deadlines

Active participants in the online course (5 ECTS)

Registration deadline: 18th of March 2018

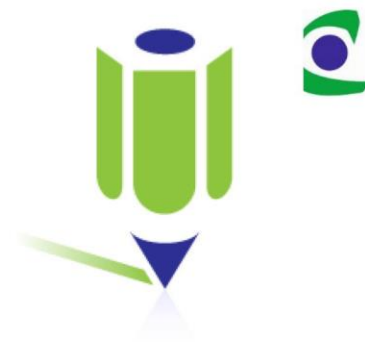
Passive participants (no ECTS) can register at any time.

Participation in the Mangalia workshop (3 ECTS) requires personal application. Your application needs to include the following:

- Brief letter of motivation (max 1 page)
- Curriculum Vitae
- reference of language skills if available

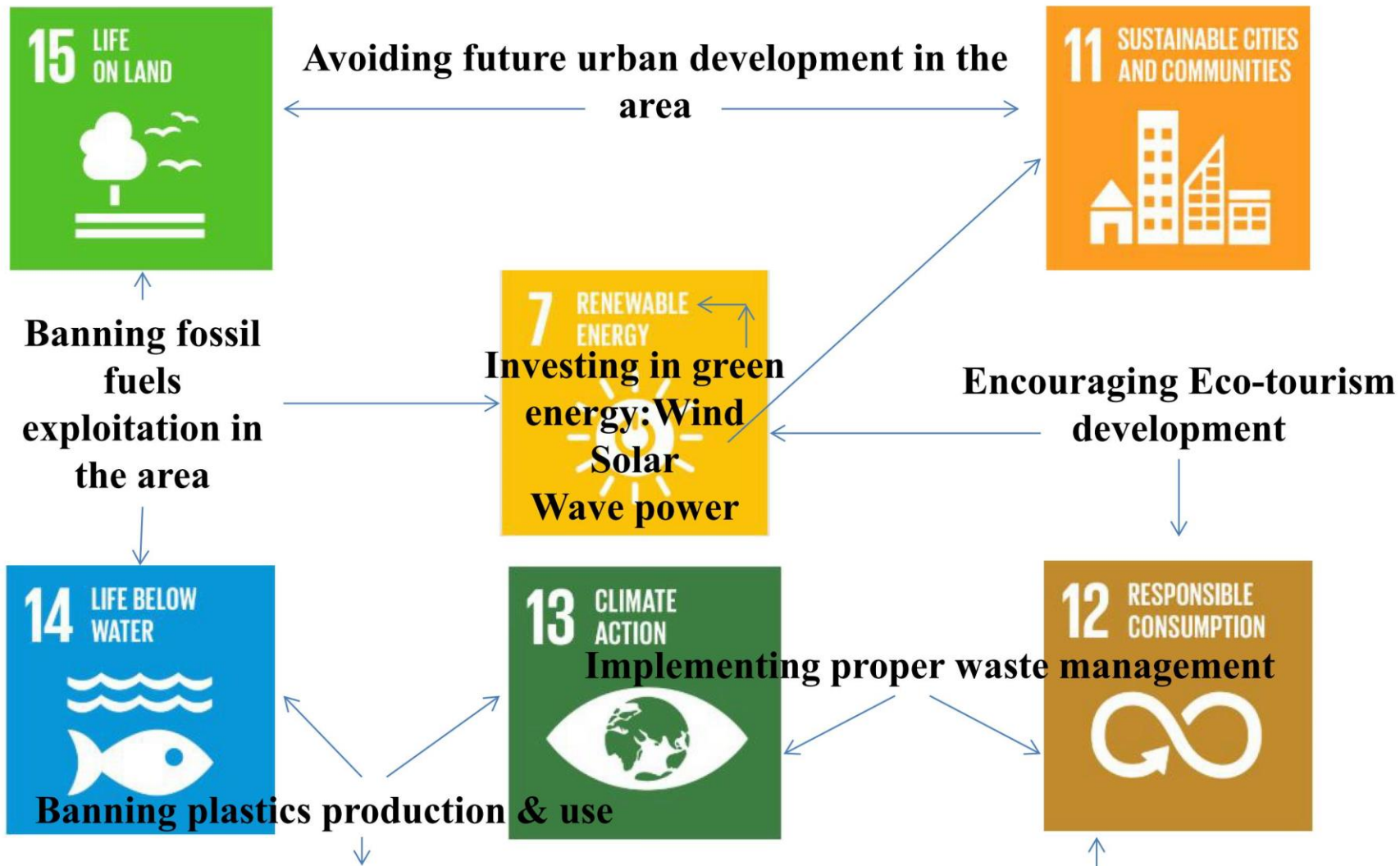
Application deadline workshop: 15th of May 2018

Registration/application link: <http://bit.ly/2n6Fsse>



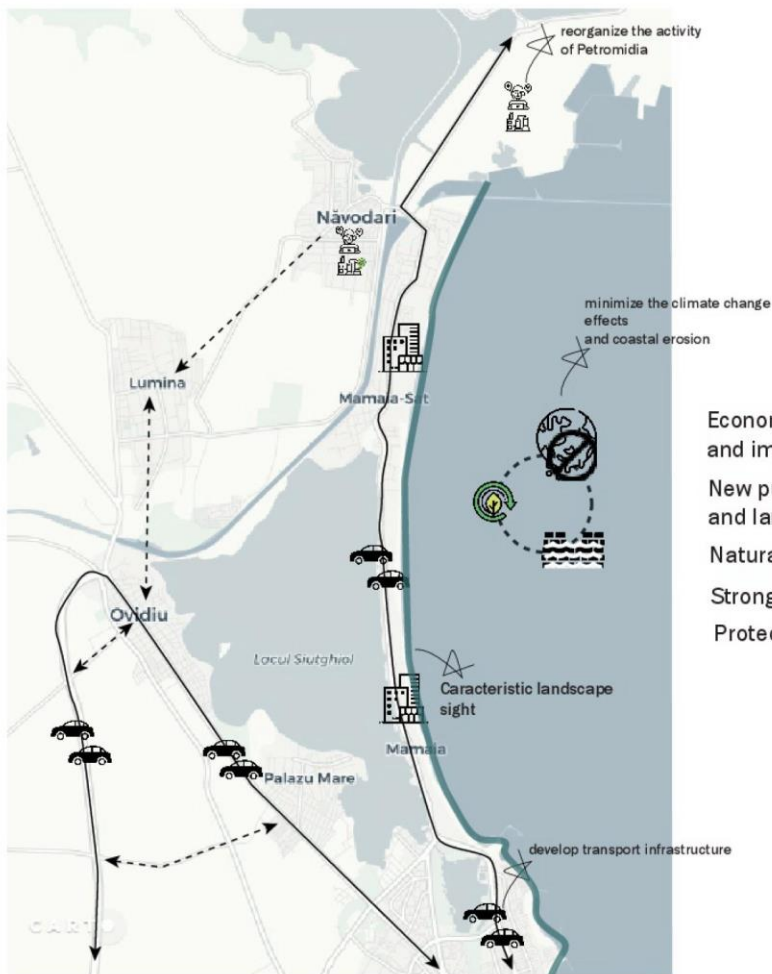


What are your goals?





A SUSTAINABLE approach of Năvodari-Mamaia coastal land



sustainable cities and communities

- Economic and urban development and improvement
- New public spaces and landmark elements
- Natural preservation
- Strong communities
- Protection system

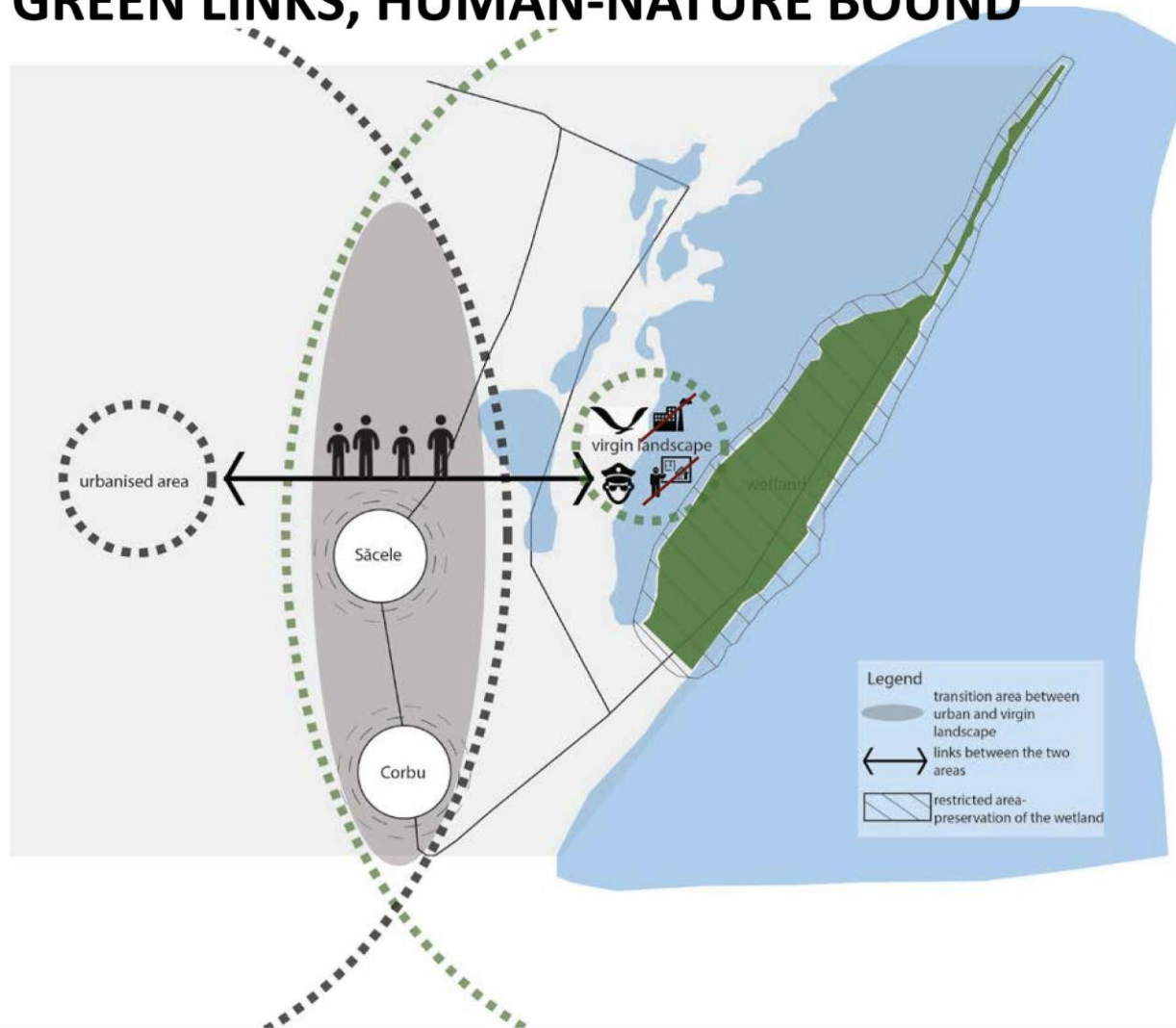


- minimize the climate change effects and coastal erosion
- reorganize the activity of Petromidia
- develop transport infrastructure
- organize biannual meetings to analyze the situation of tourism impact



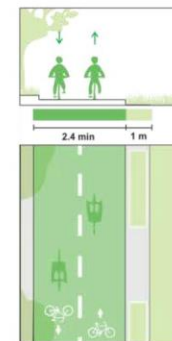
Your spatial vision

GREEN LINKS, HUMAN-NATURE BOUND



Săcele-Corbu Area= "Border" and transition between urban area and the virgin landscape

Our transect



T1

Green corridor connection

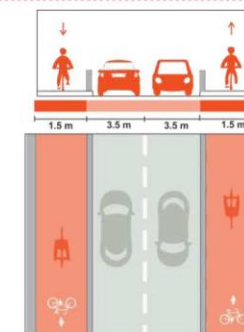
- Safety: 10 dots
- Comfort: 10 dots
- Space: 10 dots
- Costs: 5 dots



T2

Touristic + cultural route

- Safety: 10 dots
- Comfort: 10 dots
- Space: 10 dots
- Costs: 10 dots



T3

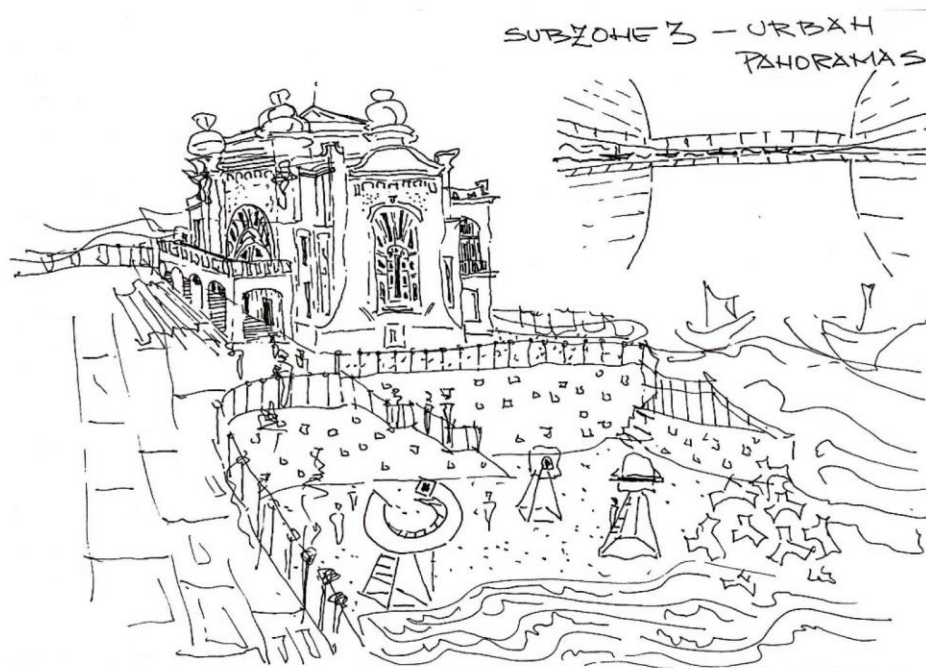
Limanu - Shabla transit route

- Safety: 10 dots
- Comfort: 10 dots
- Space: 10 dots
- Costs: 5 dots

Your interventions/acupuncture (2)

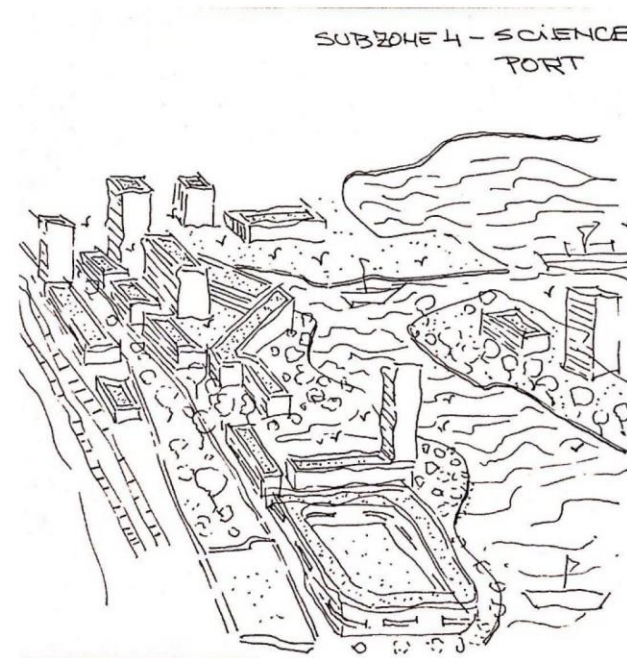


Subzone 3



urban panoramas

Subzone 4



the marine science port platform



Partnerships and governance



EXPERTS

- Climate scientists
- Landscape architects
- Archeologists

ACTORS

- Citizens
- Tourists
- Landowners

ASSOCIATES

- Ministry of Environment
- Romanian Heritage Union
- Constanta Council

DECISION MAKERS

- Politicians



Intensive Study Programme 2018

Time frame 17th – 24th of September 2018
Travel on Sunday, 16th of September and Tuesday, 25th of September
Host Ovidius University Constanta, Romania
Location Mangalia, Black Sea



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File:Mer Noire (carte).png

On-site activities



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On-site activities



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Pașii de realizare a evenimentului de la Grădina de vară “ FARUL ”



Pasul 1.

Pasul 2.

Pasul 3.

Pasul 4.

Pasul 5.

Pasul 6.

Pasul 7.

Constatare
+
discuții cu oamenii



Alegerea
locului



Hotărârea
evenimentului

Organizarea
evenimentului

Promovarea

Evenimentul

Acțiuni viitoare



On-site activities



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Eesti Maaülikool
Estonian University of Life Sciences

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**HOCHSCHULE
WEIHENSTEPHAN-TRIESDORF**
UNIVERSITY OF APPLIED SCIENCES



ULB **Faculté
d'Architecture
La Cambre Horta**



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Linking landscape education, research and innovative practice



ISOCARP
Knowledge for Better Cities

On-site activities



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On-site activities

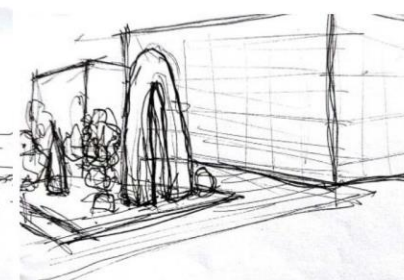
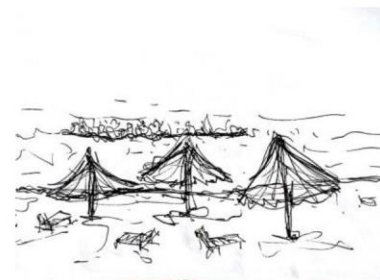
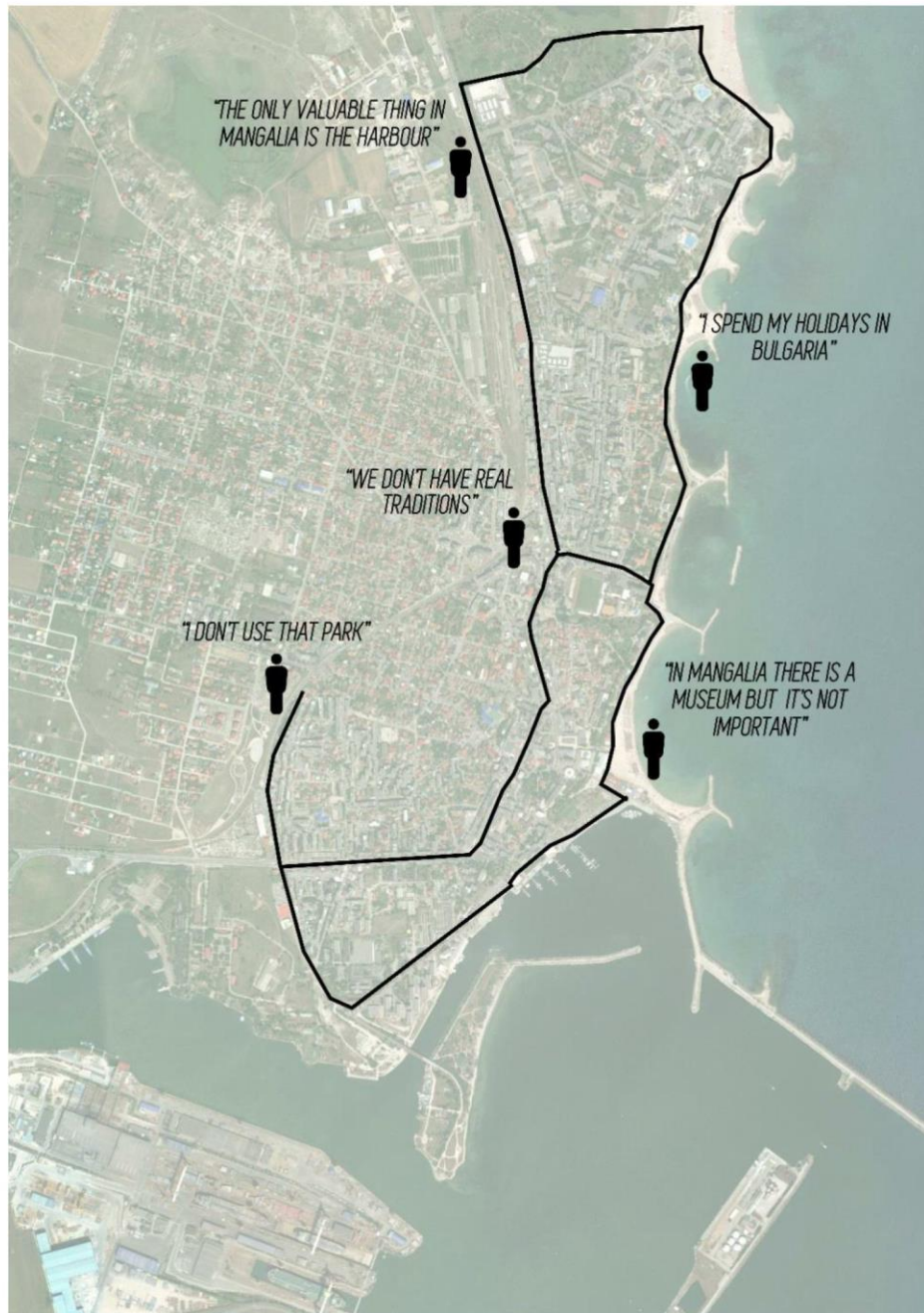


COLAND – Inclusive Coastal Landscapes

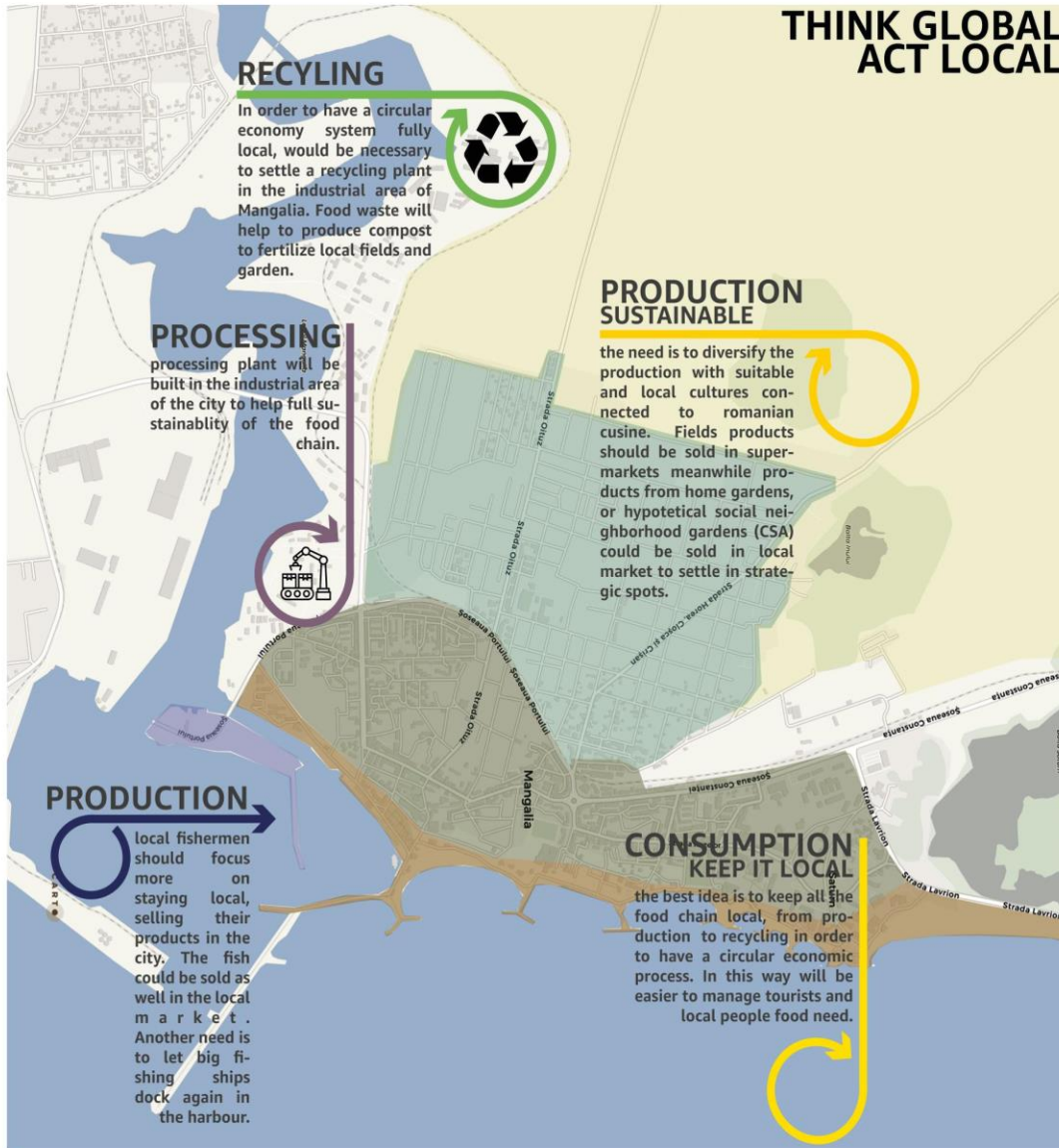
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Perception

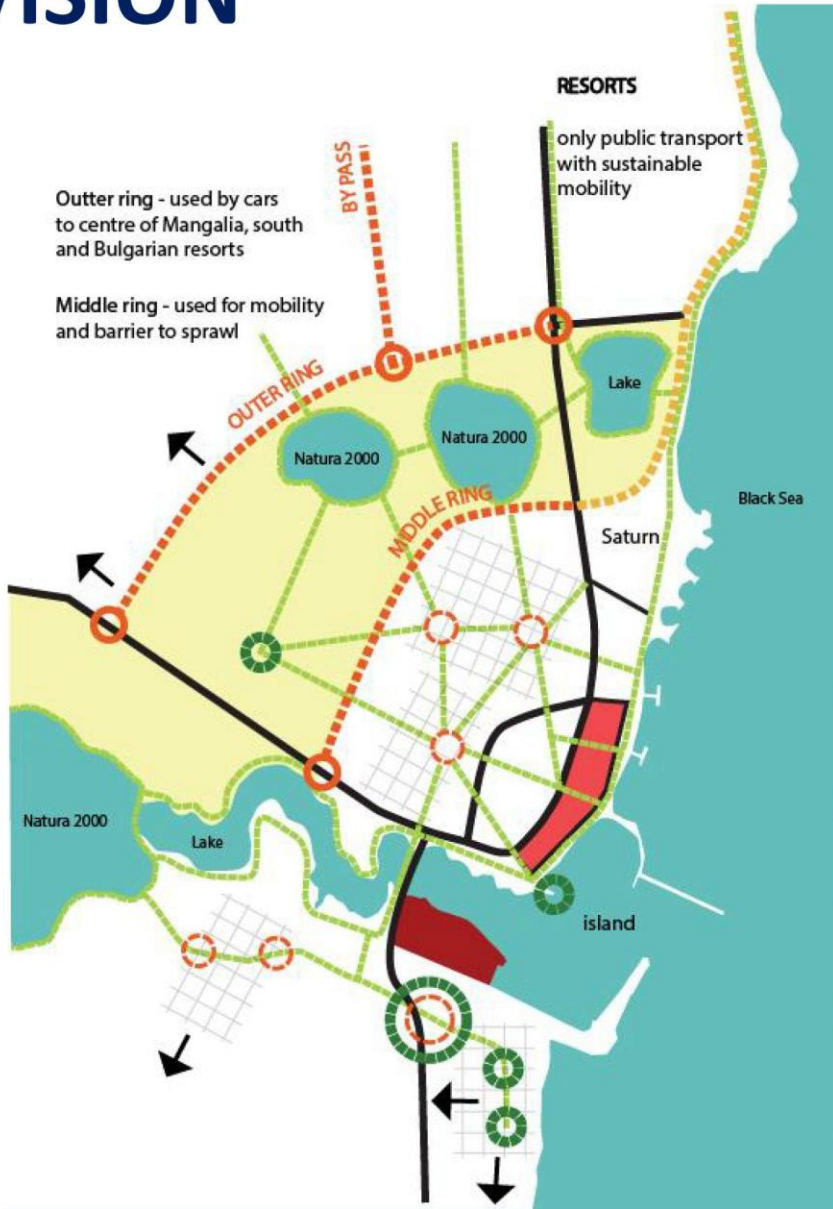


Concept: Future Food Consumption





VISION



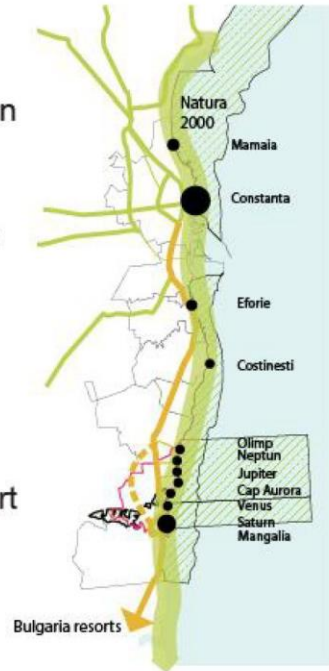
Goal:
Reduce traffic congestion

Solution:
Split the traffic
Connect green and blue areas
(territorial scale)

By-pass
Limited traffic areas
Sustainable mobility
Improved public transport
(city scale)

LEGEND

- Existing Blue
- Roads
- Monofunctional residence area
- Multifunctional - mixed activities (heritage)
- Shipyard
- Sprawl
- Proposed Rings
- Green belt
- Green hotspots
- Grey hotspots
- Connections
- New facilities



Visualizations



*Aerial views of
the proposed
Mangalia Food
Hub.*



Thank you for you attention!



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