CO-LAND - Inclusive Coastal Landscapes
Activating green and blue infrastructure for sustainable development of the urban-land interface

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Presentation by Igor Sirodoev

using materials elaborated by Ellen Fetzer, Irina Florea-Saghin and other Co-Land team members and participating students
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!
THE CO-LAND Project Consortium
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

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?

**Avoiding future urban development in the area**

- Banning fossil fuels exploitation in the area
- Investing in green energy: Wind, Solar, Wave power
- Encouraging Eco-tourism development
- Implementing proper waste management
- Banning plastics production & use
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
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
On-site activities
On-site activities
On-site activities

COLAND – Inclusive Coastal Landscapes
Pașii de realizare a evenimentului de la Grădina de vară “FARUL”

Pasul 1. Constatare + discuții cu oamenii
Pasul 2. Alegerea locului
Pasul 3. Hotărârea evenimentului
Pasul 4. Organizarea evenimentului
Pasul 5. Promovarea
Pasul 6. Evenimentul
Pasul 7. Acțiuni viitoare
On-site activities
On-site activities
On-site activities
Perception

"The only valuable thing in Mangalia is the harbour"

"I spend my holidays in Bulgaria"

"We don't have real traditions"

"I don't use that park"

"In Mangalia there is a museum but it's not important"
Concept: Future Food Consumption

**RECYCLING**
In order to have a circular economy system fully local, it would be necessary to settle a recycling plant in the industrial area of Mangalia. Food waste will help to produce compost to fertilize local fields and garden.

**PRODUCTION SUSTAINABLE**
The need is to diversify the production with suitable and local cultures connected to Romanian cuisine. Fields products should be sold in supermarkets meanwhile products from home gardens, or hypothetical social neighborhood gardens (CSA) could be sold in local market to settle in strategic spots.

**PRODUCTION**
Local fishermen should focus more on staying local, selling their products in the city. The fish could be sold as well in the local market. Another need is to let big fishing ships dock again in the harbour.

**CONSUMPTION**
The best idea is to keep all the food chain local, from production to recycling in order to have a circular economic process. In this way will be easier to manage tourists and local people food need.

**PROCESSING**
Processing plant will be built in the industrial area of the city to help full sustainability of the food chain.
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 your attention!