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CO-LAND

Teaching integrated planning and design for coastal landscapes

A European Online Classroom

Lessons learnt from a three years

Strategic Partnership Project

Friday, 31st of July, 2020

Universitatea de Arhitectură și Urbanism "Ion Mincu"

Eesti Maaülikool
Estonian University of Life Sciences
www.emu.ee

Hochschule für Wirtschaft und Umwelt Nürtingen-Geislingen

HOCHSCHULE WEIHENSTEPHAN-TRIESDORF UNIVERSITY OF APPLIED SCIENCES

ULB Faculté d'Architecture La Cambre Horta

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

ISOCARP
Knowledge for Better Cities

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Small organisational note

14 50 – 15 20: Moderated parallel sessions		
A	Teaching across institutional boundaries	Ellen Fetzer,
B	Enhancing meaningful learning in virtual teams	Friedrich Kuhlmann, Olaf Schroth
C	Coastal landscapes as a global challenge	Didier Vancutsem, Igor Sirodoev
D	Integrated planning + design for coastal landscapes	Ingrid Schegk, Jeroen de Vries Gabriel Pascariu Antonio Acierno

>>> Add the ID of your session as prefix to your name

>>> ID-your name

>>> participants >>> your name >>> change name

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Agenda for today

Time	Topic	Speaker(s)
14 00 – 14 10	Welcome and introduction	Claudiu Runceanu
Part 1: Presentation of the CO-LAND project outputs		
14 10 - 14 20	The COL-AND Online Course	Ellen Fetzer
14 20 – 14 30	Highlights from CO-LAND Intensive Programmes	Former IP Hosts
14 30 – 14 40	The CO-LAND Guidance Report	Ingrid Schegk
Part 2: Moderated parallel sessions		
14 50 – 15 20	Teaching across institutional boundaries	Ellen Fetzer
	Enhancing meaningful learning in virtual teams	Friedrich Kuhlmann, Olaf Schroth
	Coastal landscapes as a global challenge	Didier Vancutsem, Igor Sirodoev
	Integrated planning + design for coastal landscapes	Ingrid Schegk, Jeroen de Vries Gabriel Pascariu Antonio Acierno
15 20 – 15 30	Conclusions and outlook	

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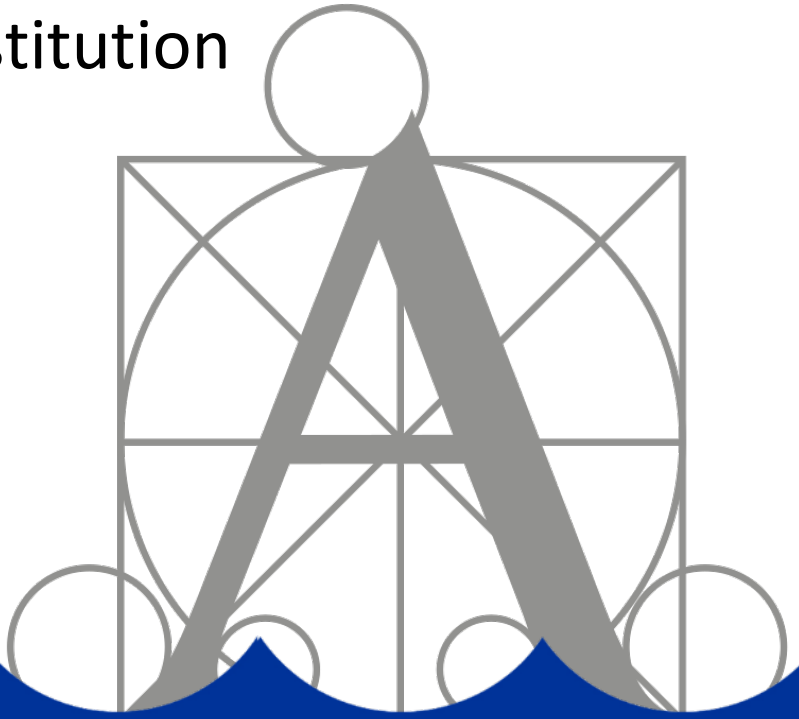
Welcome note

from the project coordinating institution

Ion Mincu University

for Architecture and Urbanism

in Bucharest



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What is CO-LAND?

Inclusive **co**astal **land**scapes:

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

An ERASMUS+ Strategic Partnership with three years EU funding coordinated by Ion Mincu University for Architecture and Urbanism in Bucharest.

http://www.coland.eu

Why are we doing this?

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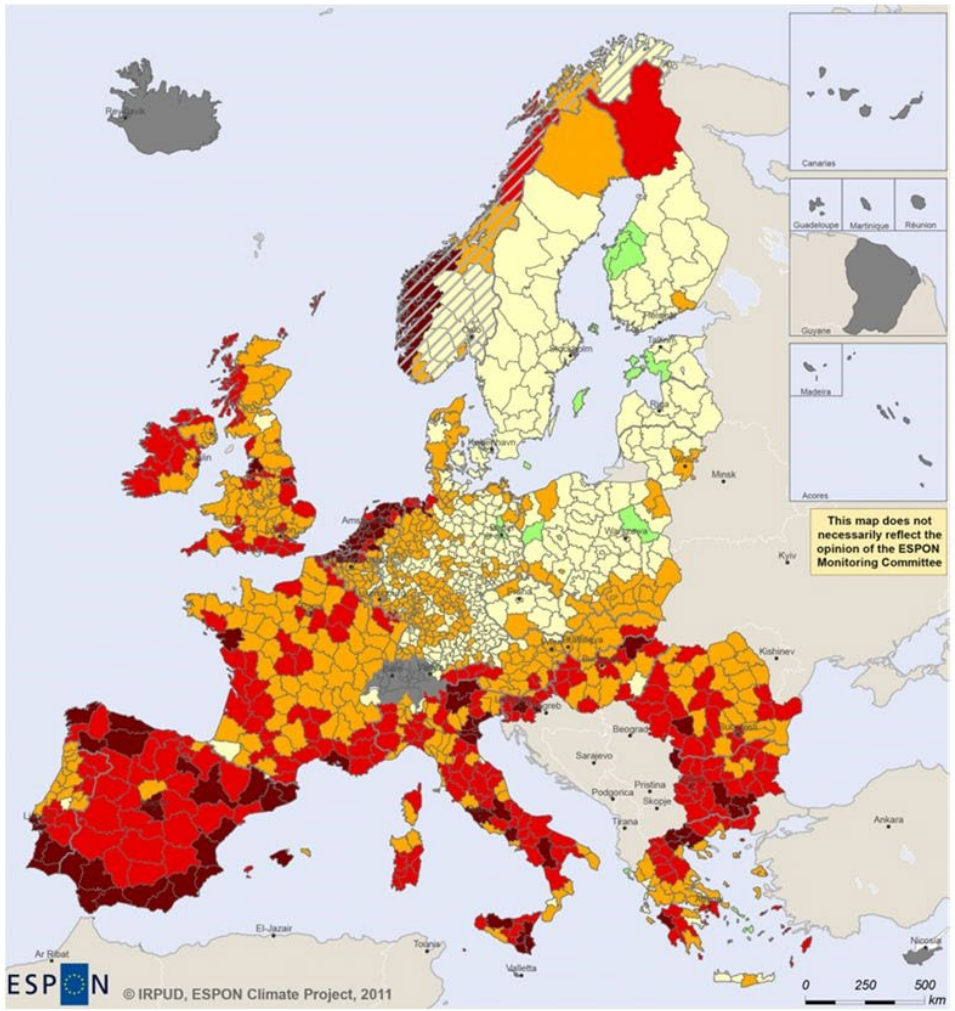
Coastal Landscapes are at risk



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

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The world:…*half of the population living in cities with over 100,000 inhabitants are* ***within 100 km from the coast.***

Barragan et al, 2015, Analysis and trends of the world's coastal cities and agglomerations

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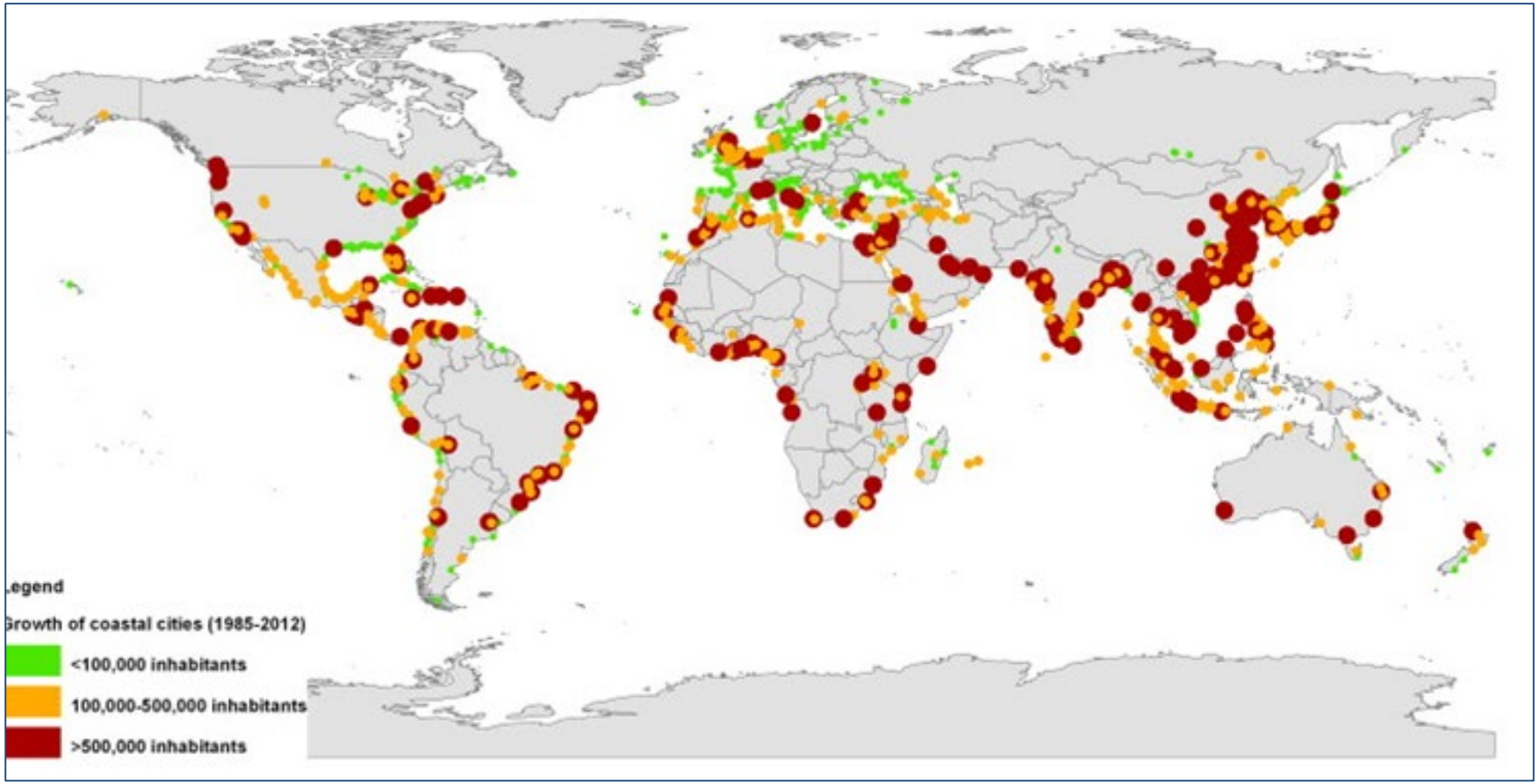
Growth of Coastal Cities Agglomerations between 1985 and 2012 worldwide



The increase in urban population is grouped into three ranges: Cities that have grown less than 100,000 inhabitants, cities that have grown between 100,000 and 500,000 and cities that have grown more than 500,000 inhabitants.

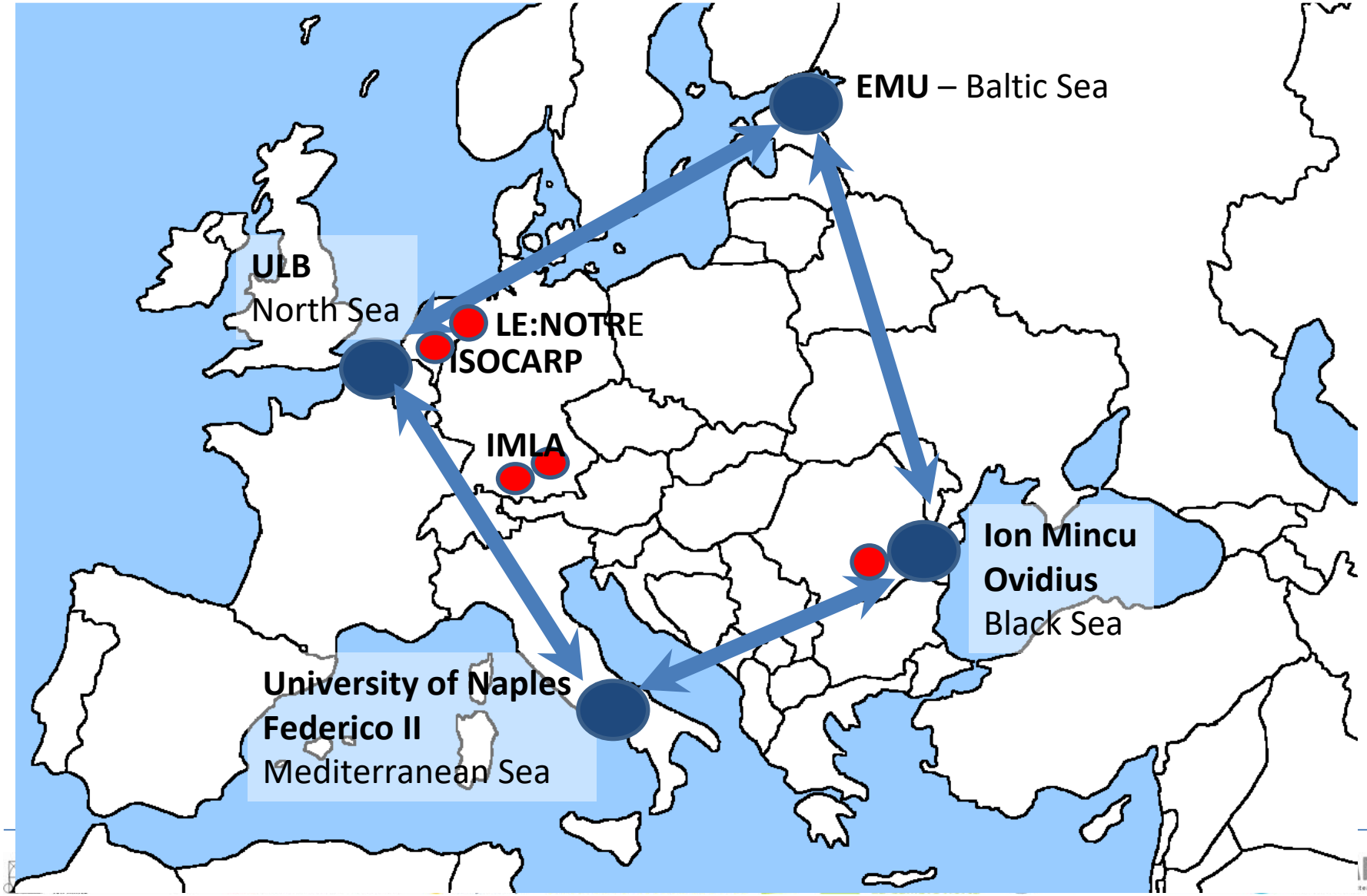
Barragan et al, 2015, Analysis and trends of the world's coastal cities and agglomerations

17 goals to transform our world

"All countries and all stakeholders, acting in collaborative partnership, will implement this plan."
Transforming our world: the 2030 Agenda for Sustainable Development, United Nations 2015

Visual Source: UN Communication Material

The CO-LAND Partnership



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Your CO-LAND Team

COLAND Team at the second consortium meeting in Estonia, November 2018

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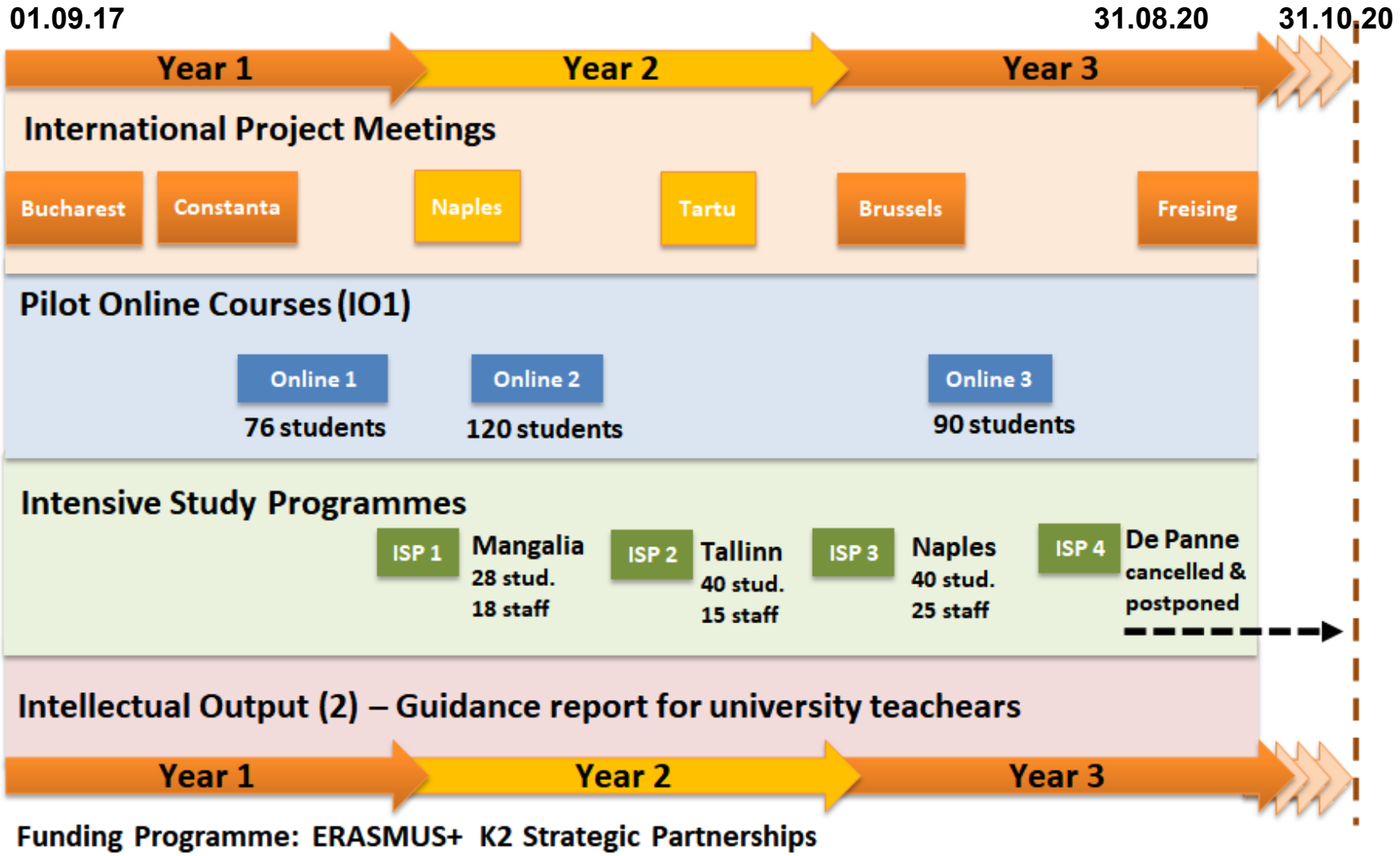
Our project journey



Funding Programme: ERASMUS+ K2 Strategic Partnerships

The CO-LAND Online Course

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Main CO-LAND Learning Goals

- Understand the **multiple layers** of coastal landscapes
- **Assessing** risks and potentials of a multipolar system
- Prioritise and set **goals**
- Translate your goals into a **strategy**
- **Translate** the strategy to the territory
- **Design and visualise** what it means in the landscape
- **Visioning** new partnerships and value streams

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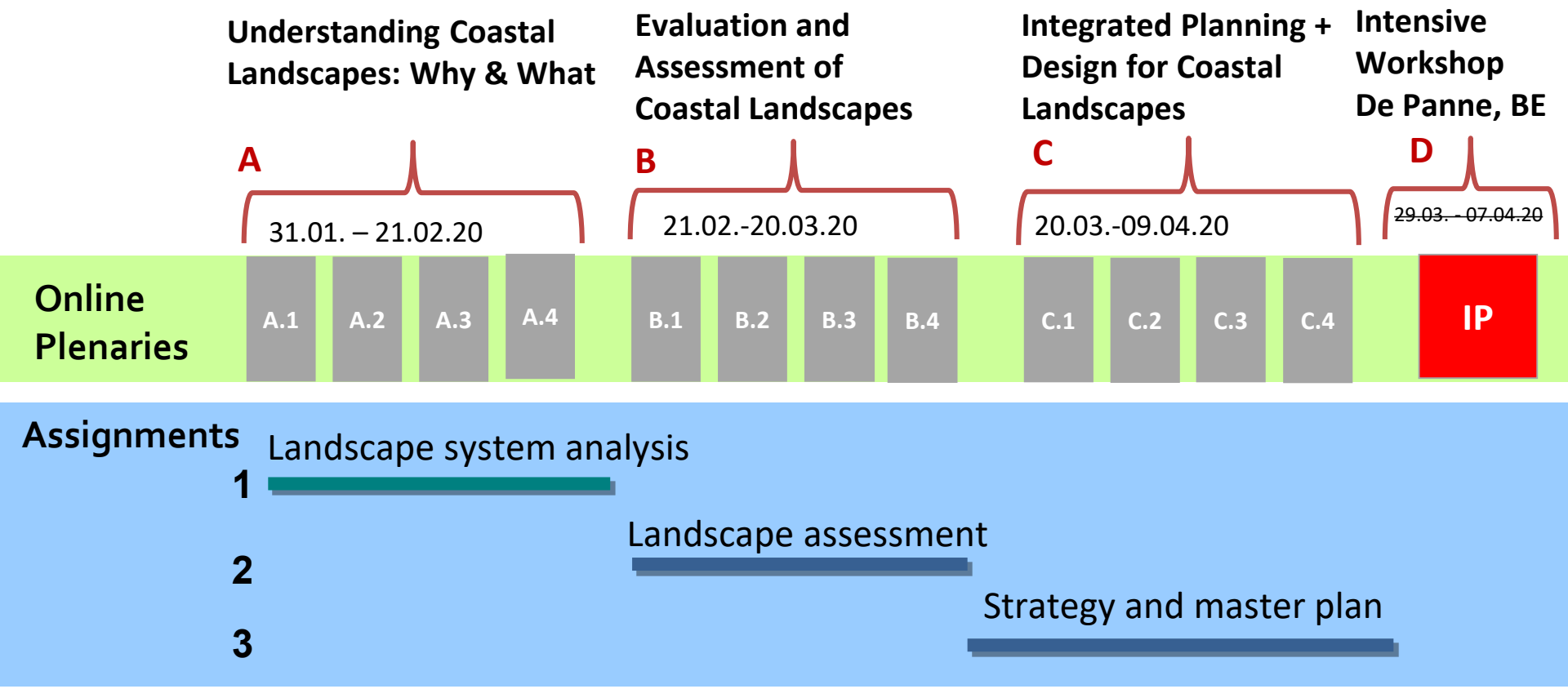
The CO-LAND seminar model



Constructive alignment: seminar participants develop their cases iteratively in parallel to the thematic lectures . These inputs are linked to the respective chapters of the case study template. Two interim and one final presentation allow for formative and summative assessment.

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Teaching and learning across boundaries

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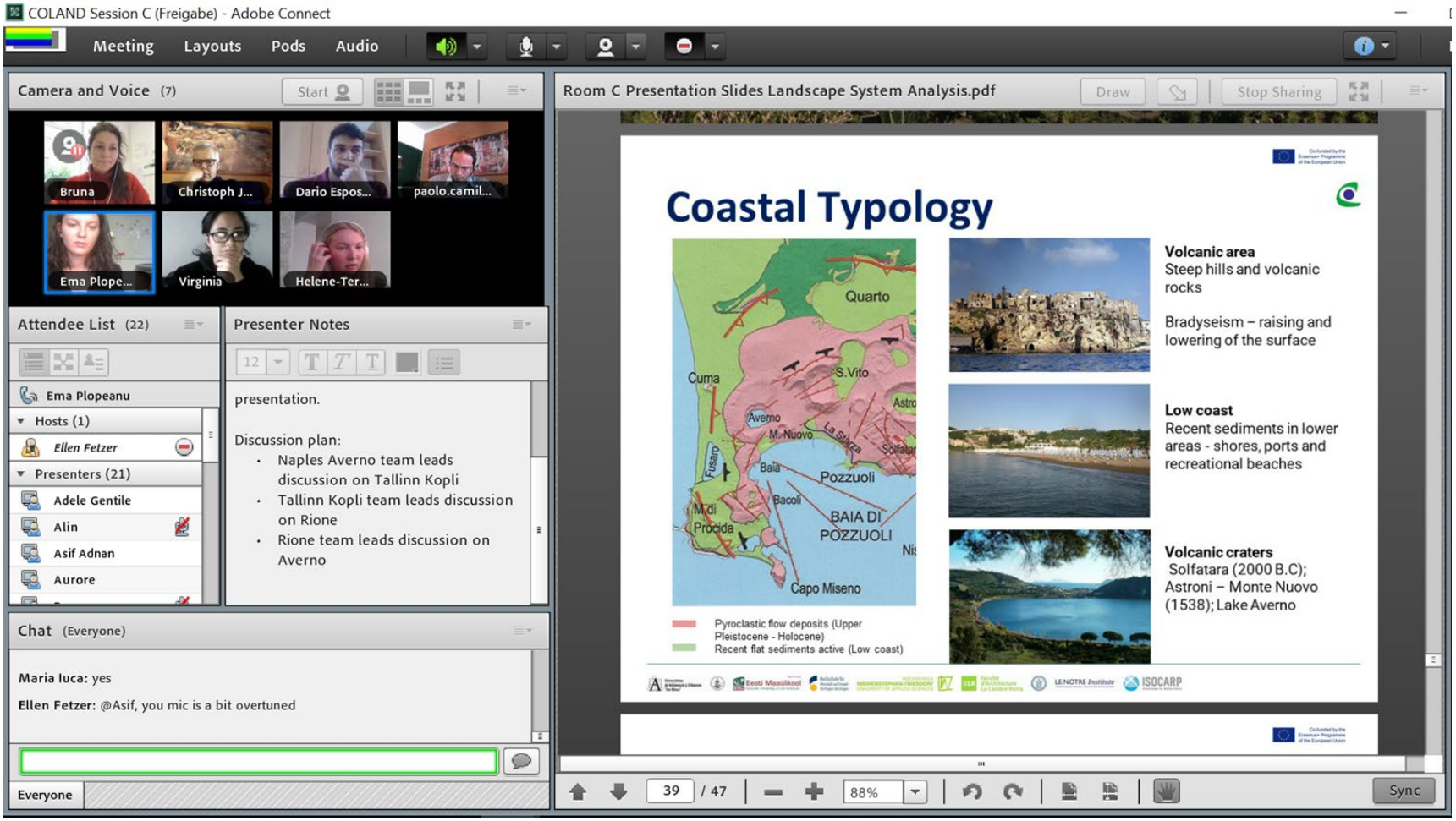
Teaching and learning across boundaries



Case study distribution 2020

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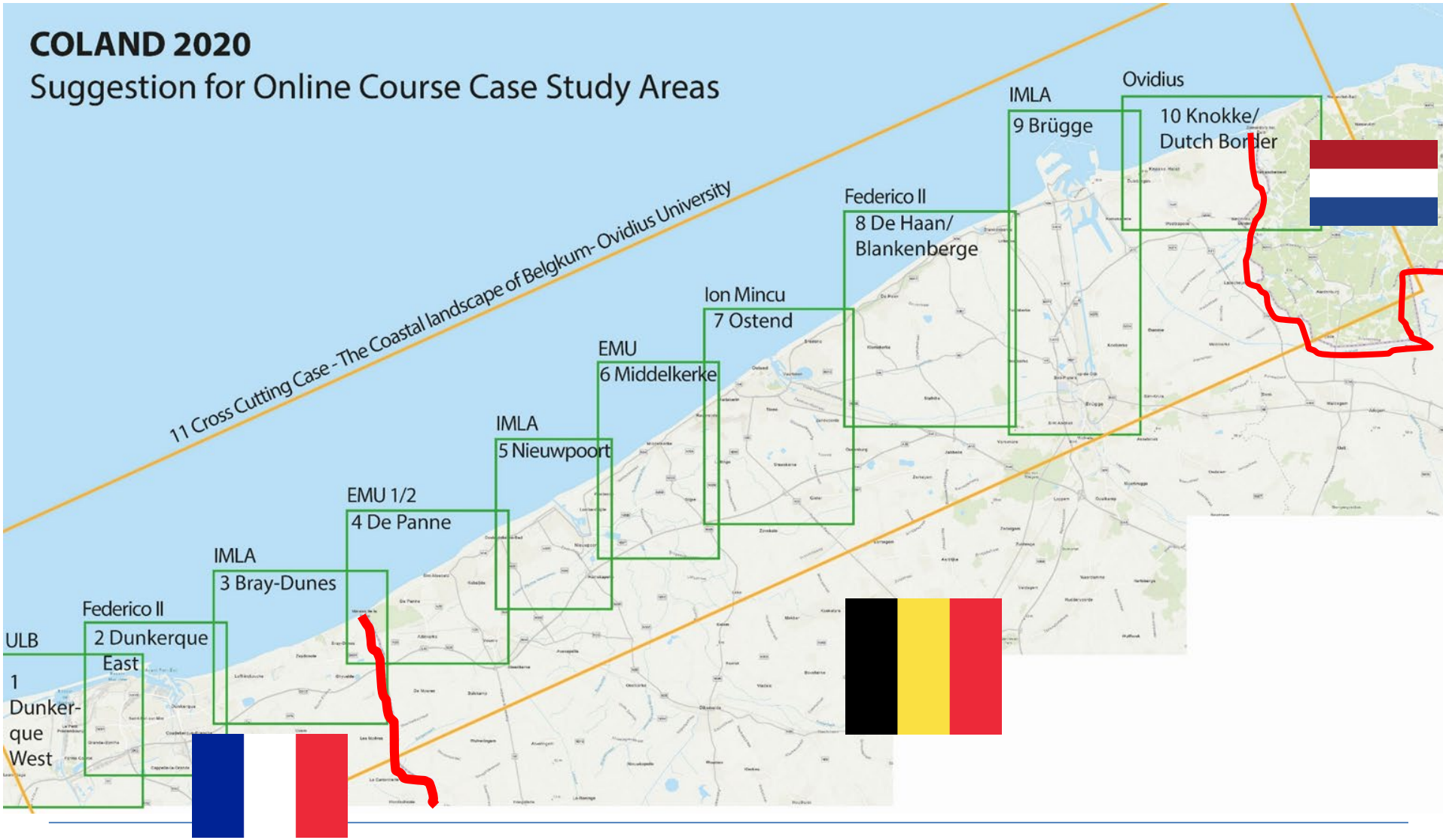

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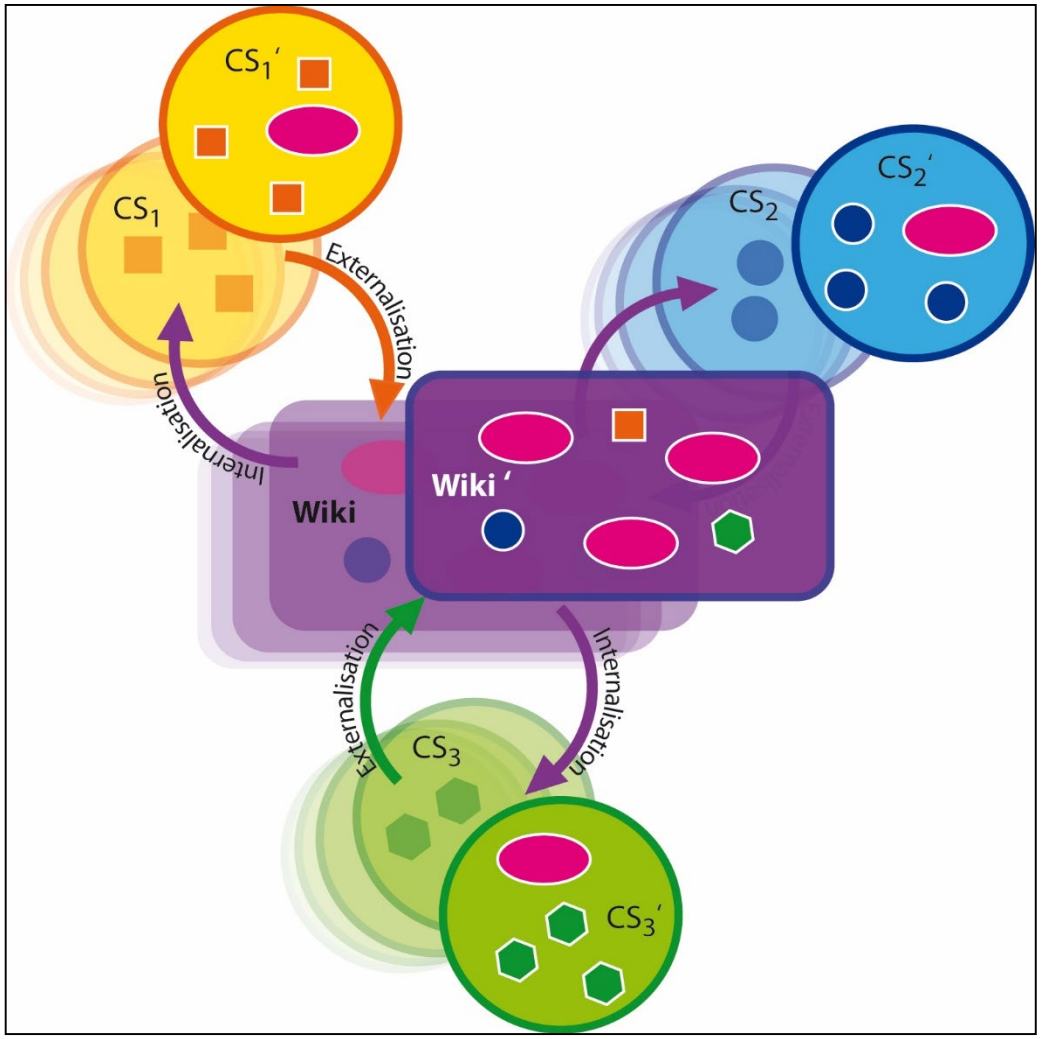
The role of the seminar wiki



Model of the co-evolution of knowledge adapted from Cress and Kimmerle (2008: p. 110) and Moskaliuk (2008: p. 62).

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A quick journey through our WIKI

Log in

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COLAND Online Seminar Working Groups 2020

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Case Studies 2020

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Mangalia 2018
Tallinn 2019
Naples 2019

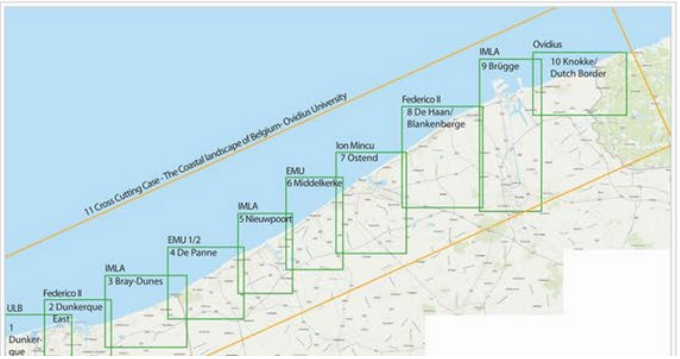
Case Study Areas on the Belgian Coast

Overall case study on the Belgian Coast

- Belgian Coast, Team Ovidius

Site-specific cases

- Dunkerque (West), Team ULB
- Dunkerque (East), Team Federico II
- Bray-Dunes, Team IMLA, transboundary area
- De Panne, Team EMU
- Nieuwpoort, Team IMLA
- Middelkerke, Team EMU
- Middelkerke, Team Ion Mincu



>>> https://colandwiki.hfwu.de

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CO-LAND Educational Resources

….what will remain?

- **Lecture recordings** with theory, methods + case studies
- An **instructional design** that can be reused
- A **case study template** transferable to any landscape context
- **Templates** for evaluation and assessment
- 70 documented **coastal case studies**
- Institutional knowledge and staff capacity

All will be soon available under >>>>
https://colandwiki.hfwu.de/index.php?title=Output_1_-_The_COLAND_Online_Course

Highlights from our CO-LAND Intensive Study Programmes

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First-hand observation

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First-hand observation

Tallinn, Estonia, 2019

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First-hand observation

Pozzuoli, Italy, 2019

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Citizen involvement

Mangalia, Romania, 2018

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Citizen involvement

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Citizen involvement

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Collaborative transformation

Mangalia, Romania, 2018

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Local knowledge networks

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Local knowledge networks

Pozzuoli, Italy, 2019

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Public outreach

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International group work

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Train presentation + language skills

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Train presentation + language skills

Tartu, Estonia, 2019

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Intercultural experience

Mangalia, Romania, 2018

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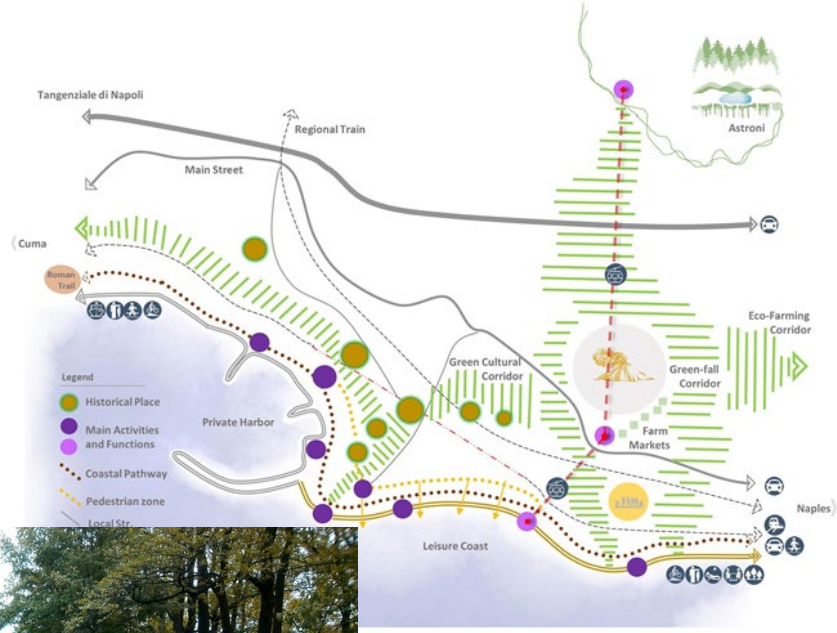
Seeding innovative ideas

Mangalia Team GI, 2018



Pozzuoli Team 1, 2019

Tallinn, Team Kopli, 2019

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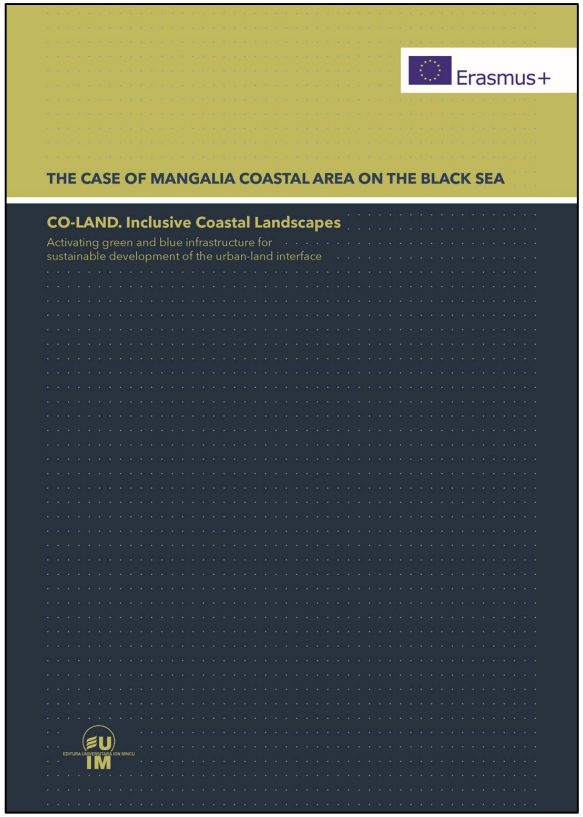
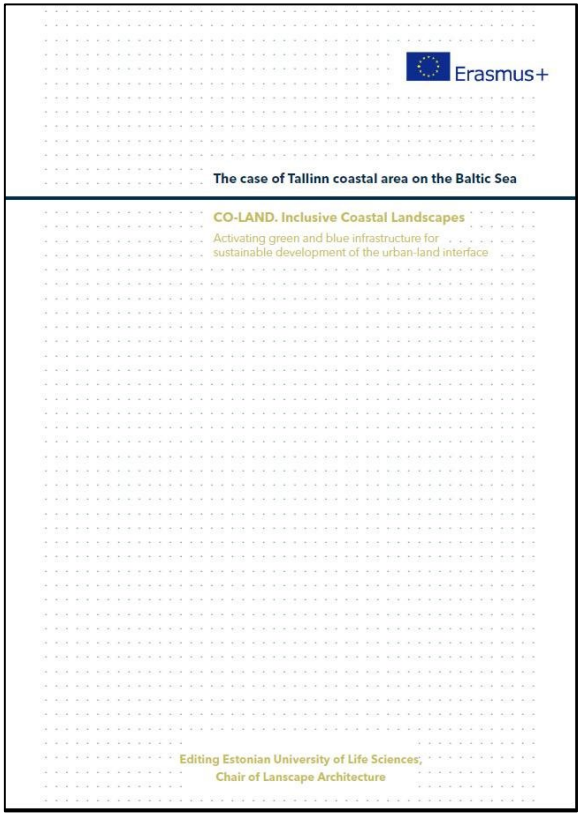
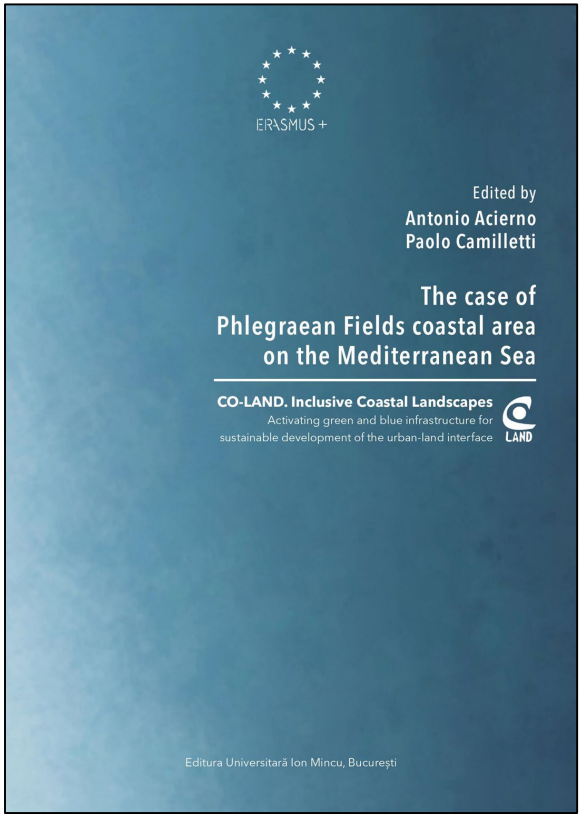
Dissemination and publication







>>> soon available online and in print

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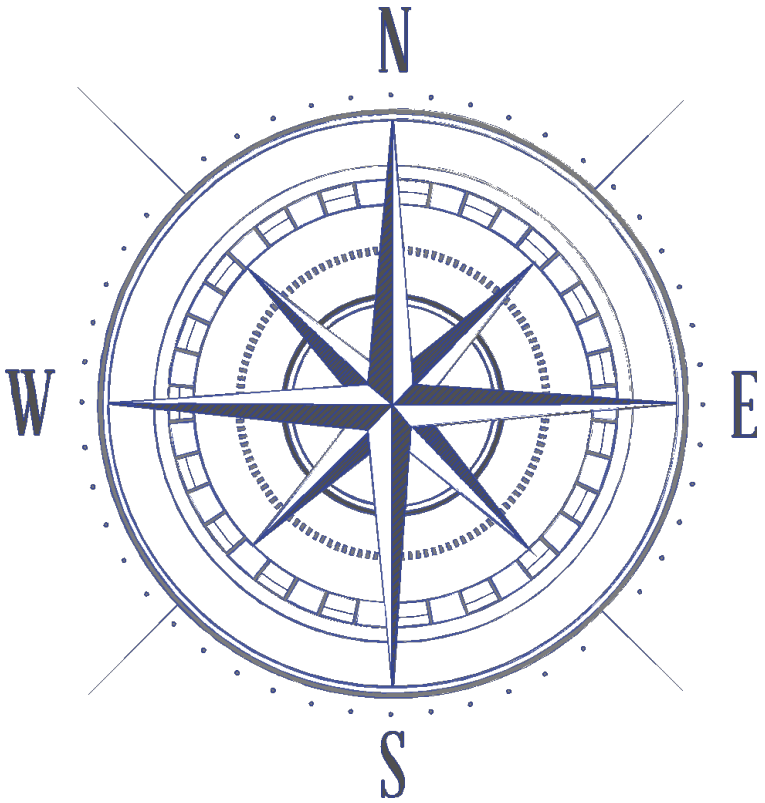
Project Outputs: Guidance Report + CO-LAND Toolbox



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CO-LAND Guidance Report

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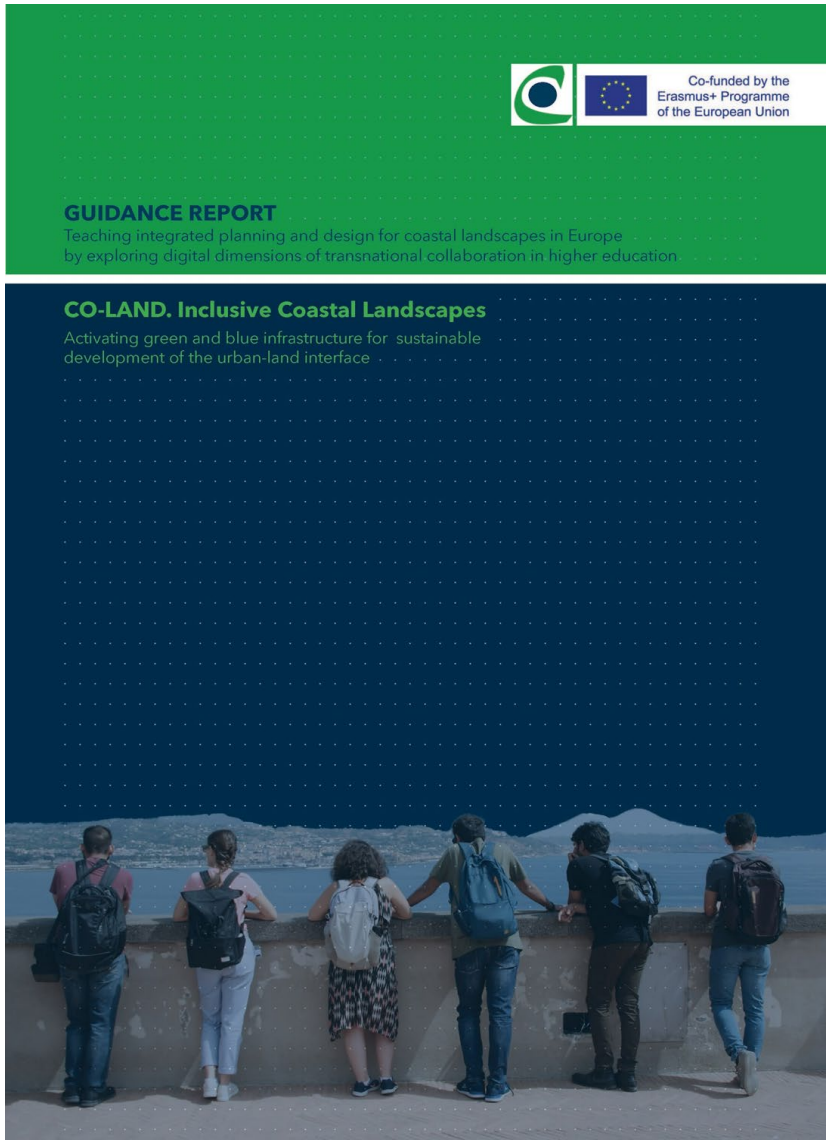

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CO-LAND Guidance Report

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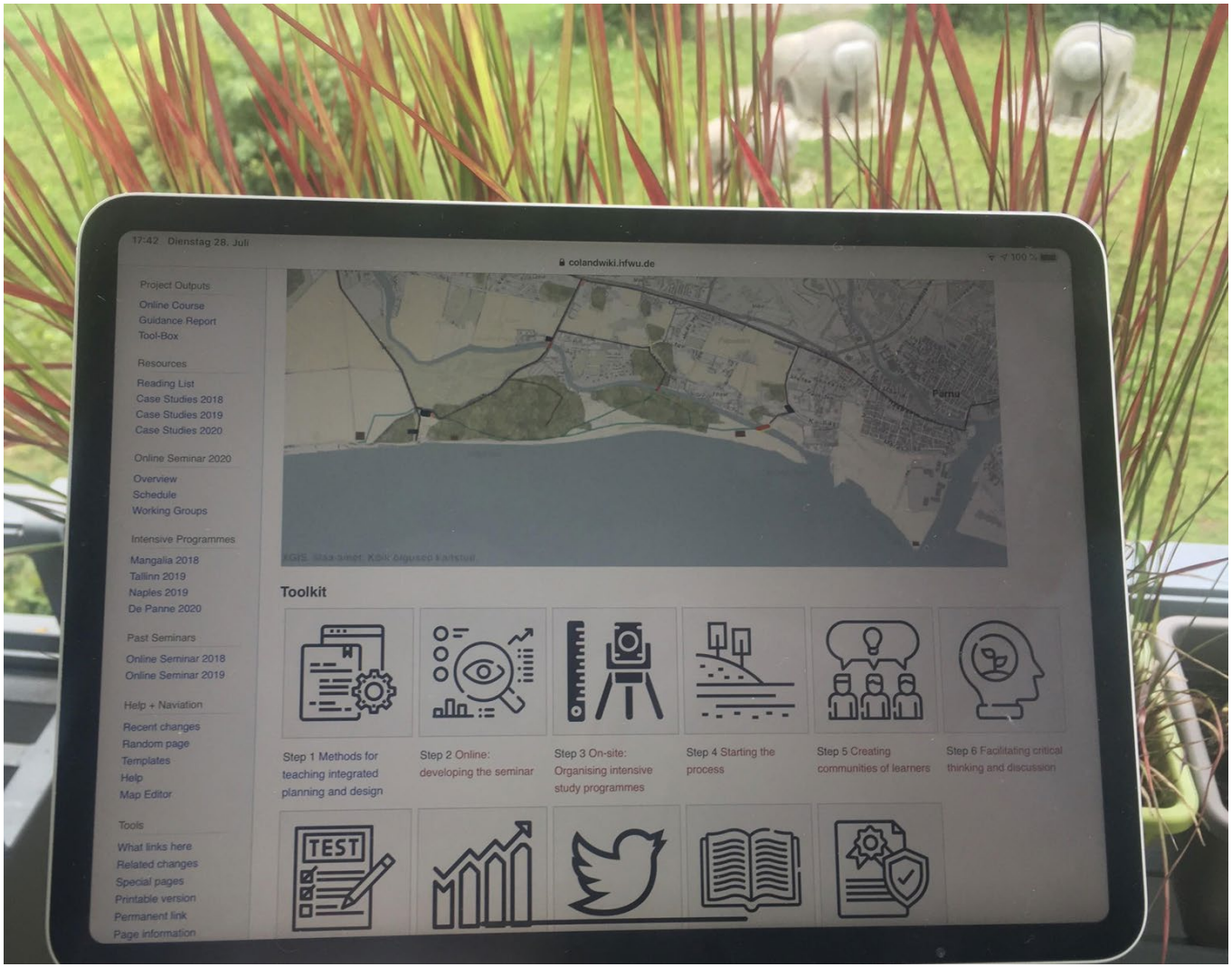
CO-LAND Toolbox



Online Toolbox:

- Online resources
- 10 steps
- Wiki format

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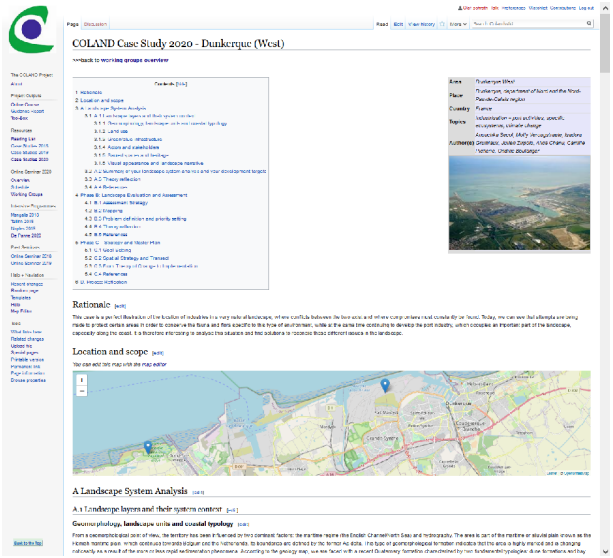
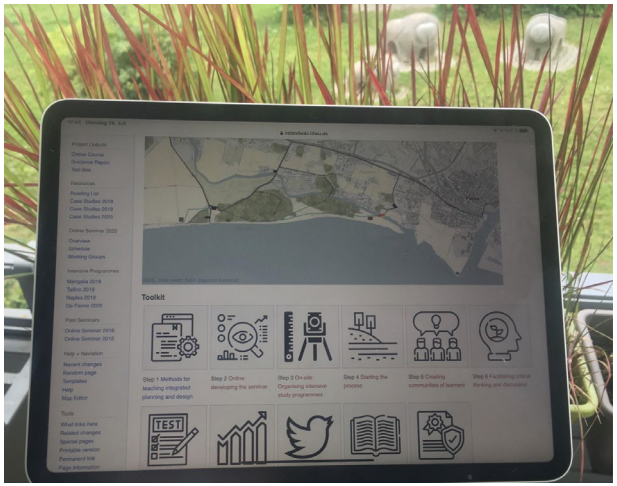
CO-LAND Toolbox





Online Toolbox:

1. Step: Methods for teaching integrated planning and design
2. Step: Online: developing the seminar
3. Step: On-site: Organising intensive study programmes
4. Step: Starting the process
5. Step: Creating communities of learners
6. Step: Facilitating critical thinking and discussion
7. Step: Assessment
8. Step: Monitoring and evaluation
9. Step: Dissemination project results
10. Step: Best practices

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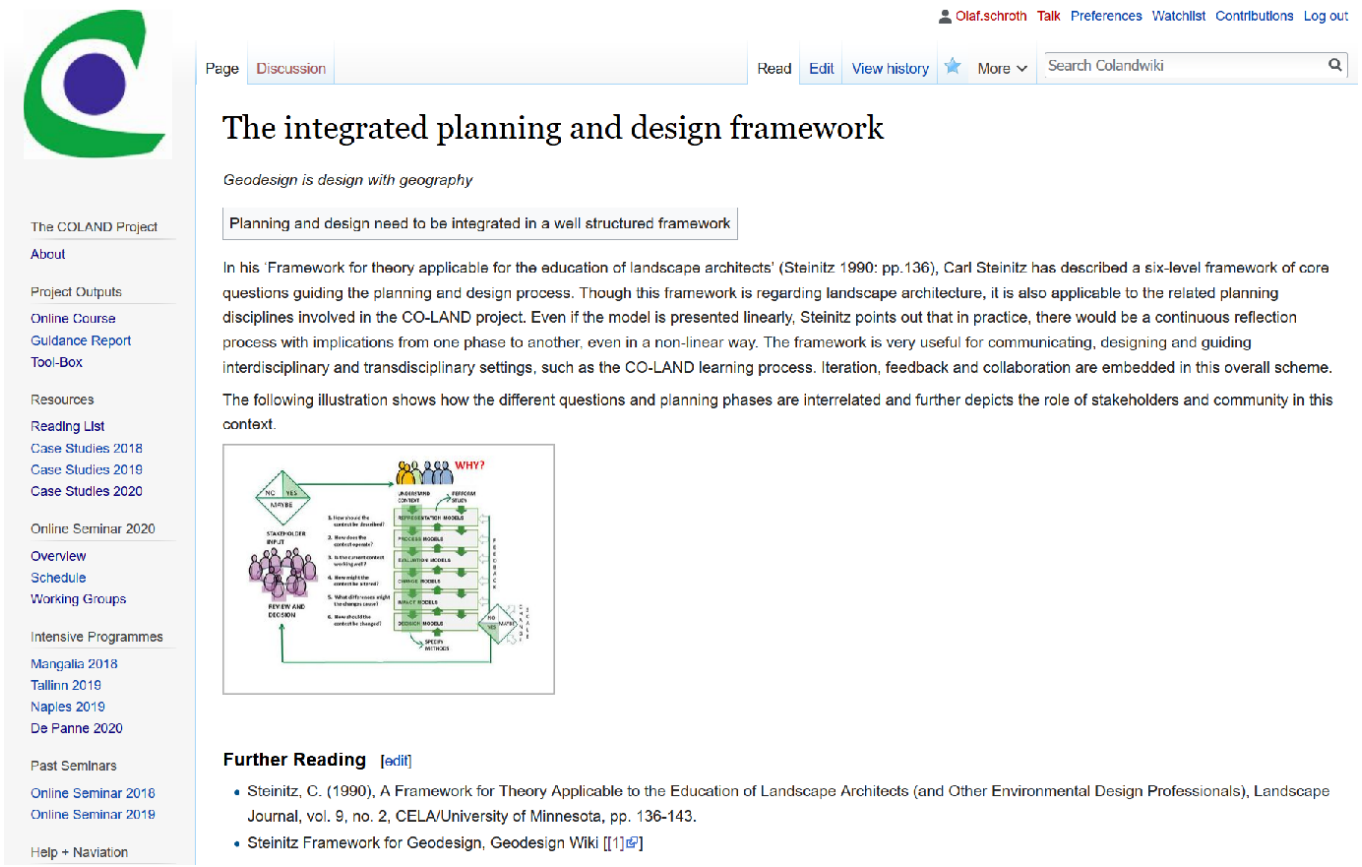
CO-LAND Toolbox



Online Toolbox:

Short "takeaway" messages and visualizations

1. title
2. intro
3. abstract
4. main text
5. diagrams/ visualisation
6. further reading/links

https://colandwiki.hfwu.de/index.php?title=Output_2_-_Toolbox

(under construction)

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Moving to our parallel sessions

14 50 – 15 20: Moderated parallel sessions		
A	Teaching across institutional boundaries	Ellen Fetzer, Gabriel Pascariu
B	Enhancing meaningful learning in virtual teams	Friedrich Kuhlmann, Olaf Schroth
C	Coastal landscapes as a global challenge	Didier Vancutsem, Igor Sirodoev
D	Integrated planning + design for coastal landscapes	Ingrid Schegk, Jeroen de Vries Gabriel Pascariu Antonio Ascierno

>>> Please add the ID of your session to your name

>>> Moderators will start with a short input

>>> Get engaged in discussion and dialogue

Parallel sessions will close again at **15 20.**

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Session A

Teaching across institutional boundaries

Moderation:

Ellen Fetzer (HfWU)

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A quick round of introductions

- please share your microphones and webcams
- briefly introduce yourself and why you are interested in this topic

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Innovation by integrating strategic goals: What we have tried to achieve

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Unfortunately, also the challenges are integrated….

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Questions for our discussion

1. Where do we see the **wider benefits** of international cooperation?

1. What is the **role of digitalisation** in this context? Do we see this differently now, with the COVID-19 experience?

1. Which **support structures** are required for successful cooperation across institutional boundaries?

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Session B

Enhancing meaningful learning in virtual teams

Moderation:

Friedrich Kuhlmann (EMU) and Olaf Schroth (HSWT)

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A quick round of introductions

- please share your microphones and webcams
- briefly introduce yourself and why you are interested in this topic

Different kinds of teams

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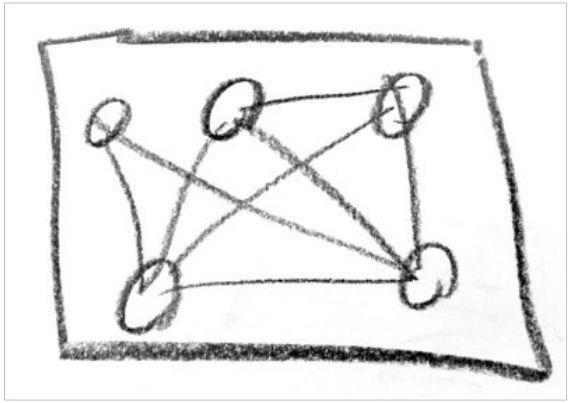
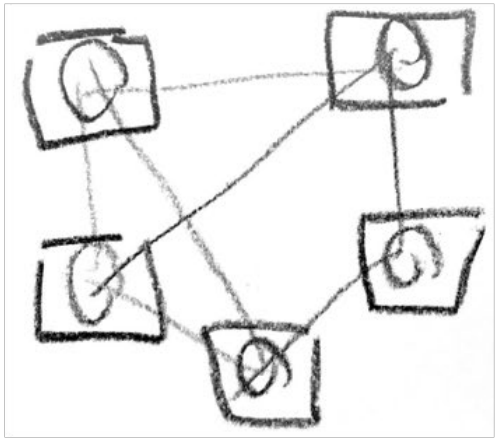
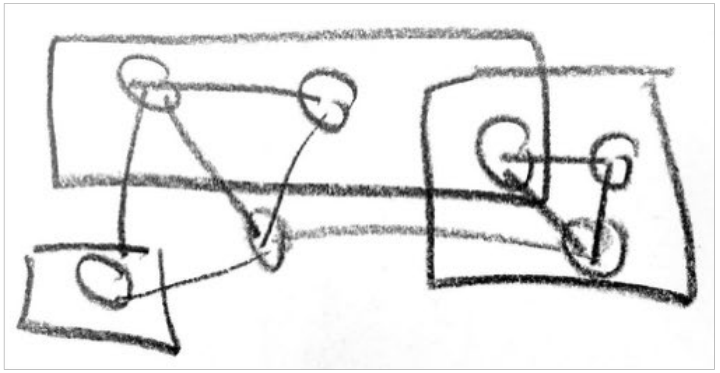
The physical team



The virtual team simulating the physical team



The hybrid team



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Approaches to learning in virtual teams

Didactic concepts

- Blended learning
- Community of learners
- Learner-based teaching

Didactic tools

- Group work
- Online submissions
- Peer-review

Technical solutions

- Learning platforms: *Moodle, Blackboard, Ilias, Wiki*
- Messenger services: *WhatsApp, Telegram*

Building up virtual teams

- Online collaborative tools: *GoogleDocs, Mural, Miro*
- Video conferencing tools: *Zoom, MS Teams, BigBlueButton, WebEx*
- *Online quizzes and educational games*

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Barriers and Challenges

Observation: Increasing segregation of well-organised students and disadvantaged students

Technical barriers

- Poor internet connection among students
- Lack of adequate hardware among students

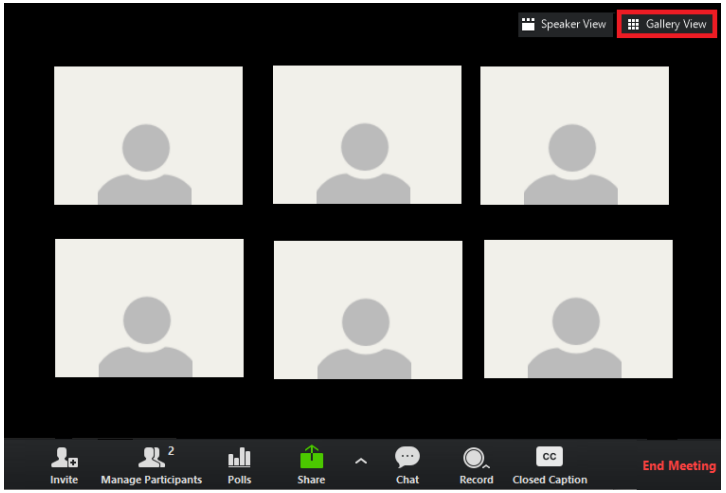
Legal barriers

- Data privacy
- License issues

Social barriers

- Anonymity (empty icons…)
- Lack of informal interaction
- *therefore lack of motivation*

We need: *New social skills in the online world*



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Questions for our discussion

1. *In which way has Covid-19 been a catalyst for learning and working in virtual teams*

1. *Do you think virtual team working will endure after the Covid-19 crisis?*

1. *How to develop didactical approaches which overcome the aforementioned barriers?*

1. *Does this call for an approach which blends online and onsite learning?*

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Session C

Coastal landscapes as a global challenge

Moderation:

Didier Vancutsem (ULB) and Igor Sirodoev *(Ovidius)*

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A quick round of introductions

- please share your microphones and webcams
- briefly introduce yourself and why you are interested in this topic

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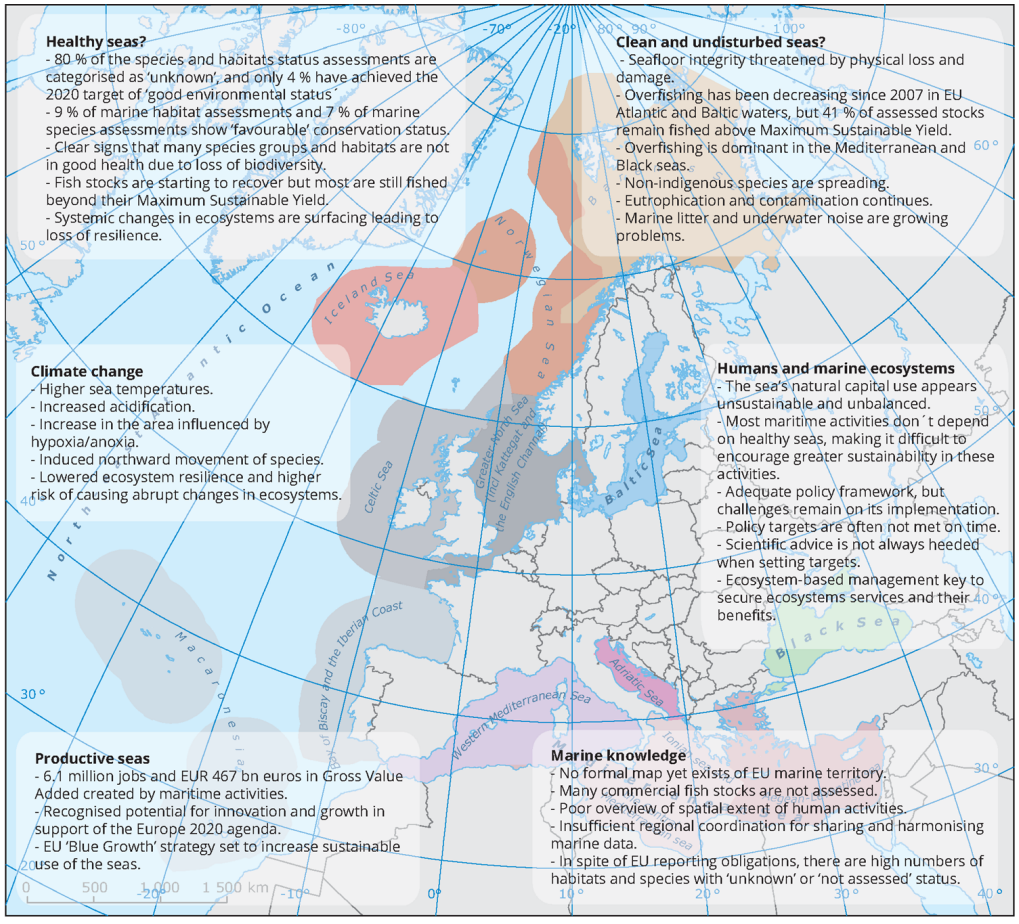
Coastal Landscapes: combination of challenges



Regional seas surrounding Europe and the multiple challenges towards achieving sustainability

Ecosystems of Europe's coastal areas and seas significantly altered by centuries of human exploitation:

Human-induced change in marine ecosystems has greatly increased in the past 60 years: busier places, driven by technological advances and society's increasing demand for food, energy and other resources.

- pressures from fishing,
- pollution from land and sea sources,
- dense coastal urban development and tourism,
- damage to the sea floor by oil platforms,
- energy transmission lines and mining activities,
- the spread of non-indigenous species, especially by shipping.

All these impacts likely to be made worse by climate change.

Source: EEA 2015

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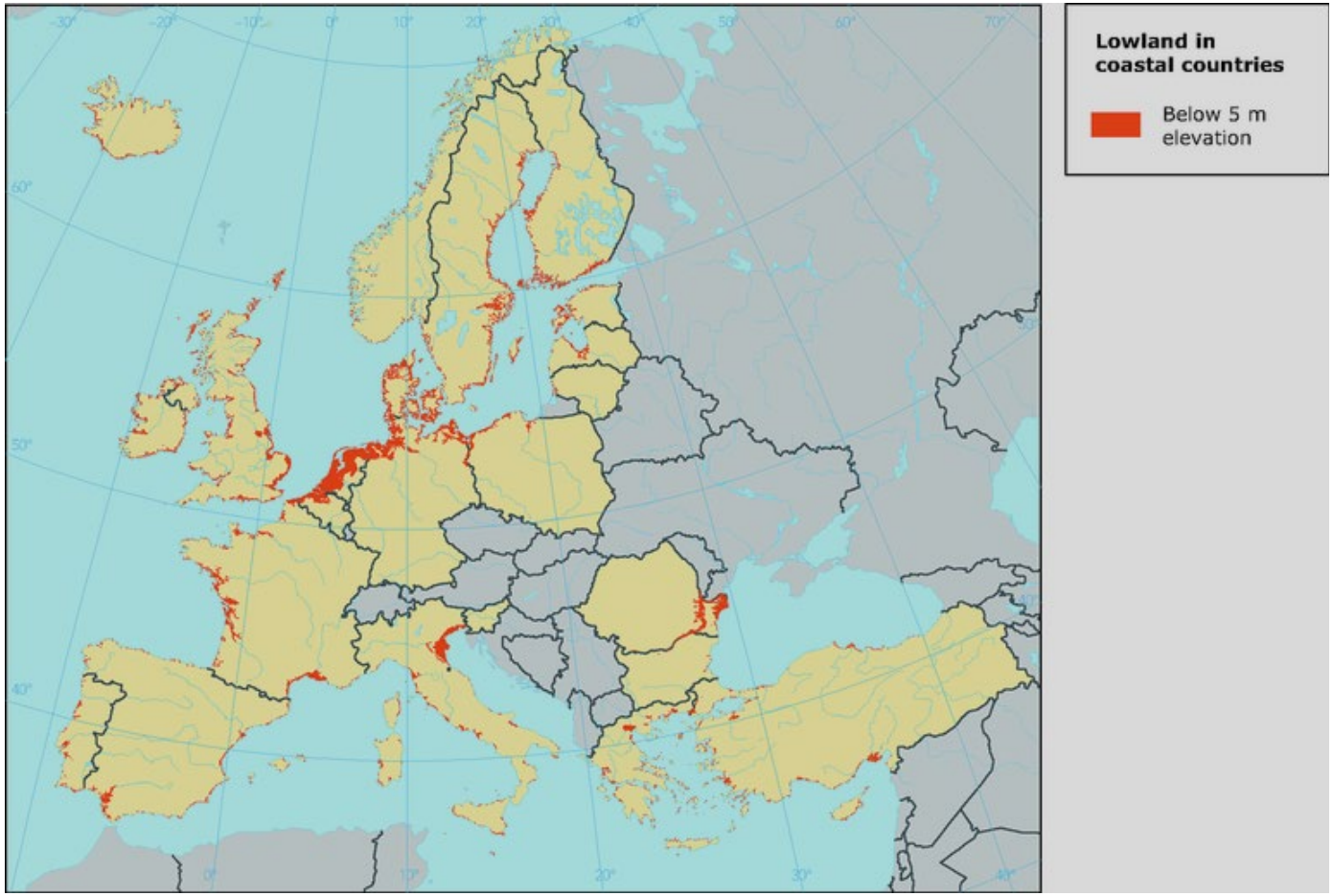
Our Coastal Landscapes face huge challenges: expected sea level rise in Europe



European coastal lowlands most vulnerable to sea level rise
in: “The changing face of Europe’s coastal regions”
4B4896CD-CDE2-4477-ABAE-16AB92E38854

Source: EEA 2019

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Questions for our discussion

1. Which **priorities** should we focus when we are facing coastal challenges?

1. Which **policies and actions** needed to address global challenges?

1. Which **interventions** to be proposed and how to implement within which time horizon?

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Session D

Integrated planning + design for coastal landscapes

Moderation:

D.1 Jeroen de Vries (LNI) and Antonio Acierno (UNINA)

D.2 Ingrid Schegk (HSWT) and Gabriel Pascariu (UAUIM)

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Welcome to all

- please share your webcams and…
- switch on your microphone only if you are speaking

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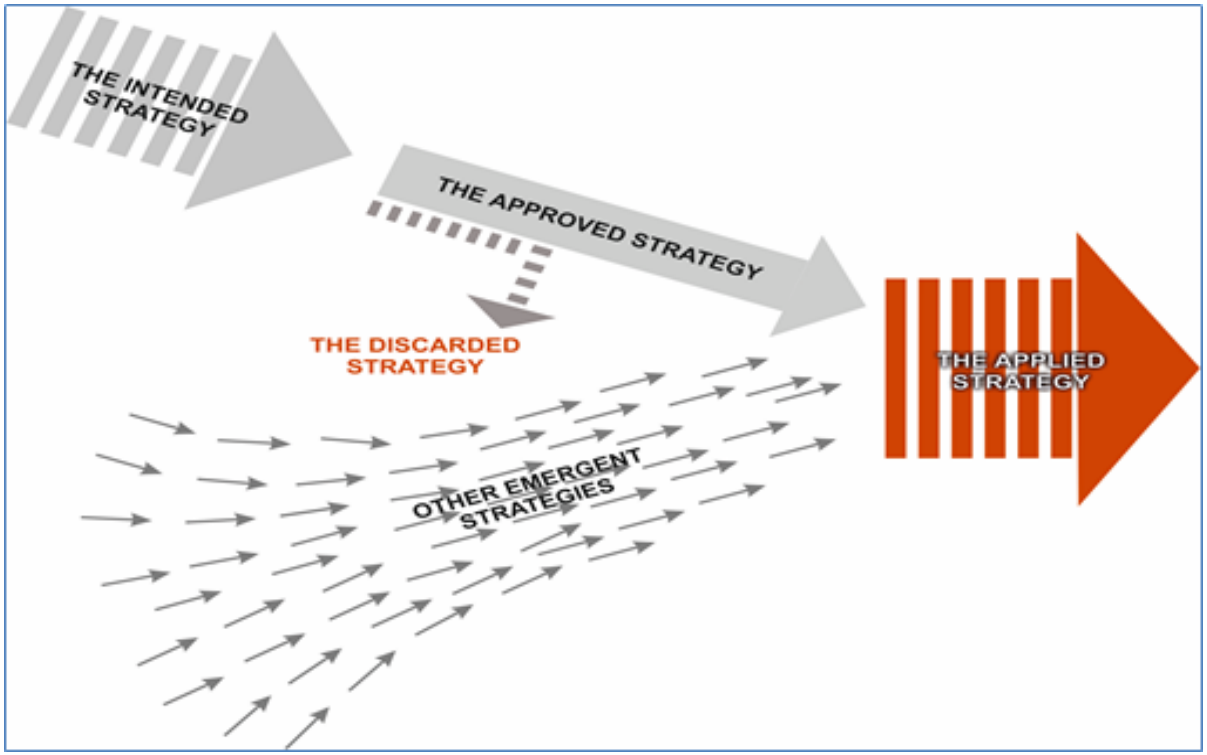
Integrated planning and design means:

- Connecting stakeholders and communities
- Connecting issues and objectives
- Connecting methods and techniques



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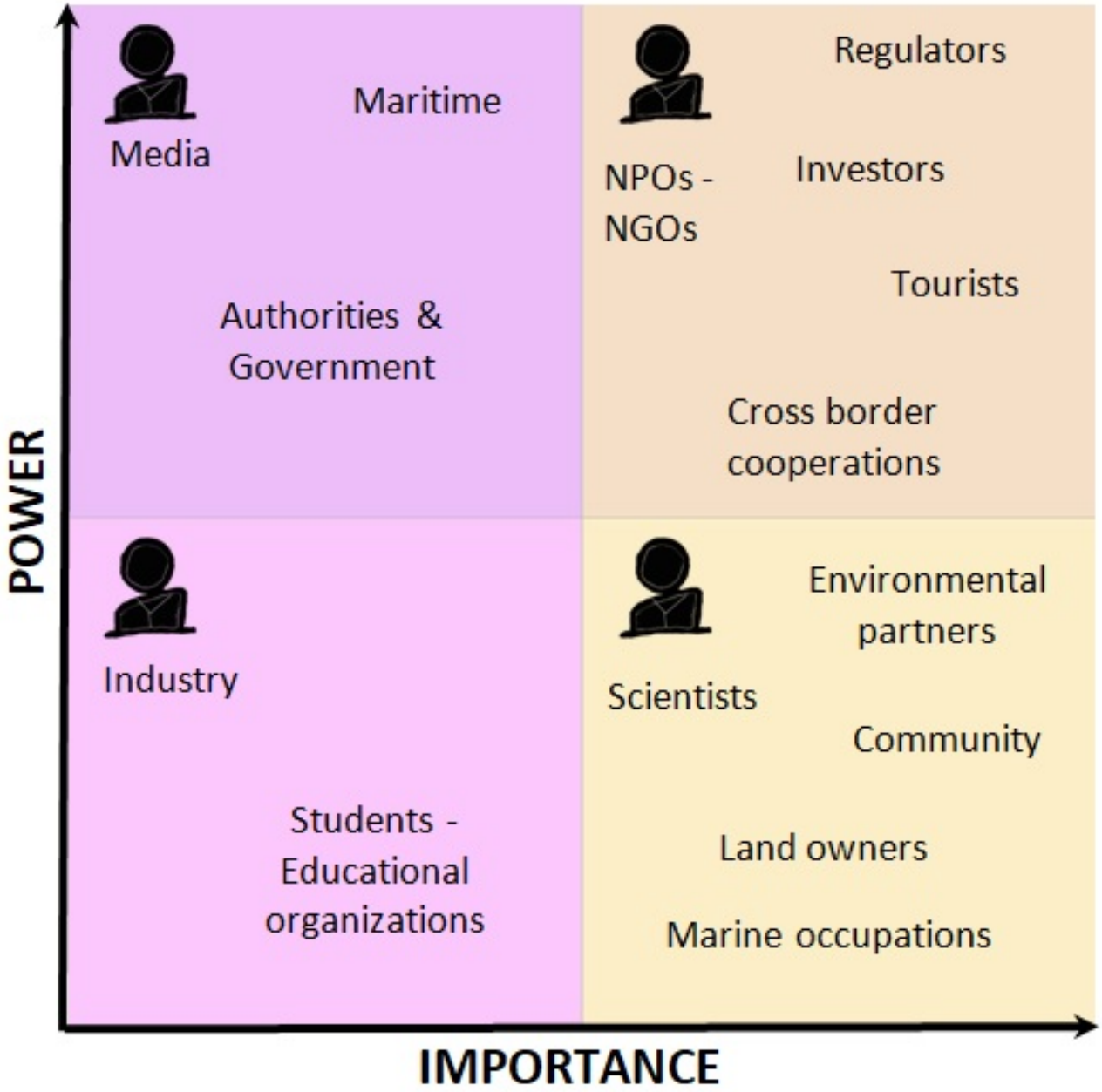

Source:
CO-LAND, Wiki, Bray Dunes (F/B), 2020,
Authors:
Wasiliki Moreno, Arati Uttur, Raphaela Roming, Ho Ching Leung, Anna Fernanda Volken, Anca Strugariu.

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→ Extreme scenario

Source: https://www.ateliers.org/media/workshop/documents/atelier_dunkerque_presentation_en.pdf

Sources: https://www.wikidata.org/wiki/Q391365, https://www.cleanpng.com/

→ Sustainable scenario

Source: https://www.ateliers.org/media/workshop/documents/atelier_dunkerque_presentation_en.pdf

Sources: https://www.wikidata.org/wiki/Q391365, https://www.cleanpng.com/

Source:

CO-LAND, Wiki, Bray Dunes (F/B), 2020, Authors:

Wasiliki Moreno, Arati Uttur, Raphaela Roming, Ho Ching Leung, Anna Fernanda Volken, Anca Strugariu.

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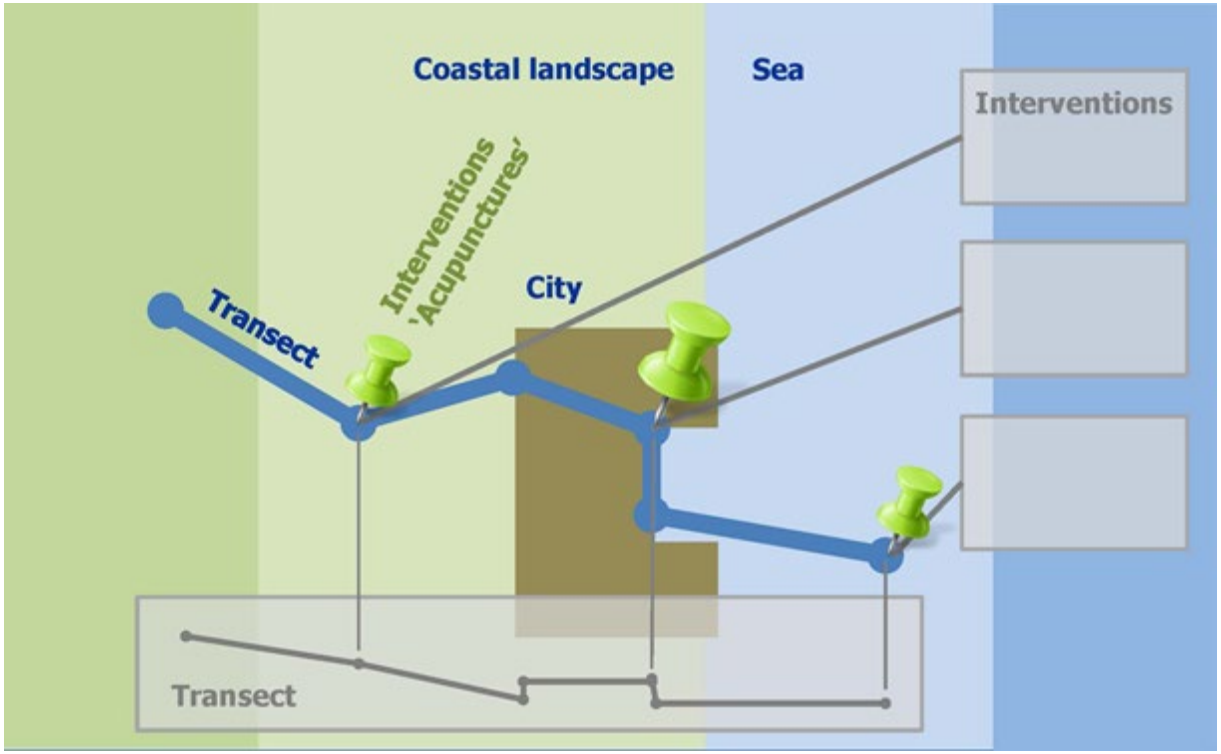
Integrated planning and design means:

- Bridging disciplines
- Bridging institutional and national borders
- Bridging scales: local solutions for global challenges



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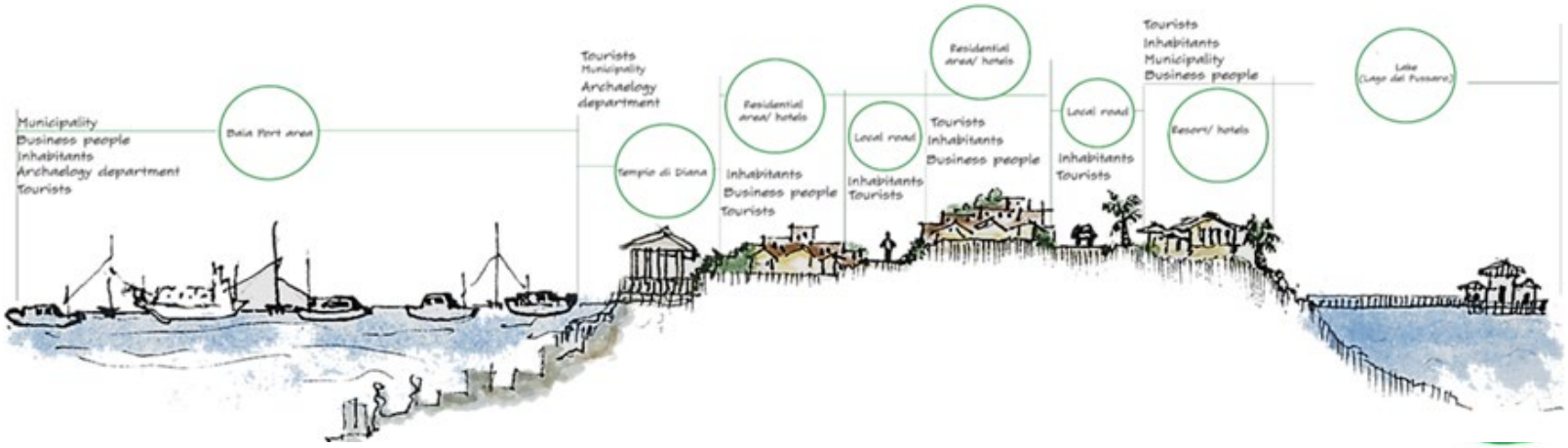
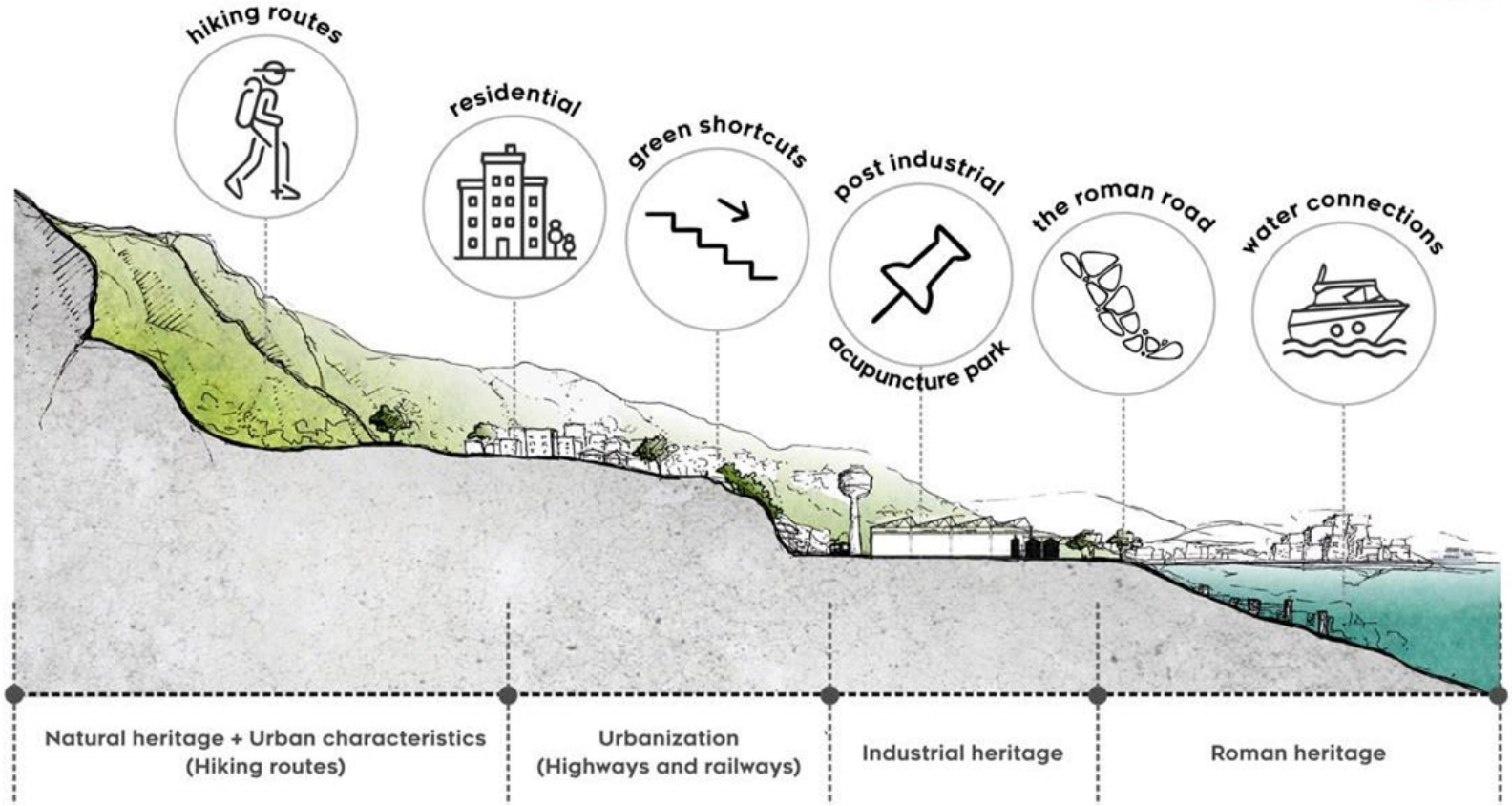


Source: CO-LAND, Wiki, Case Study Baia (IT), 2019, Authors: Panaitescu A., Lungu D., Cairo M., Aquino L., Jayalath S., Miraldi A., Passaro A., Ali A.



Source: CO-LAND, ISP Pozzuoli 2019, Authors: Del Giudice, S., Ivanescu, A., Neagu, D., Nuciu, M., Passan, A., Tahsin, T., Titumir, K. Z.

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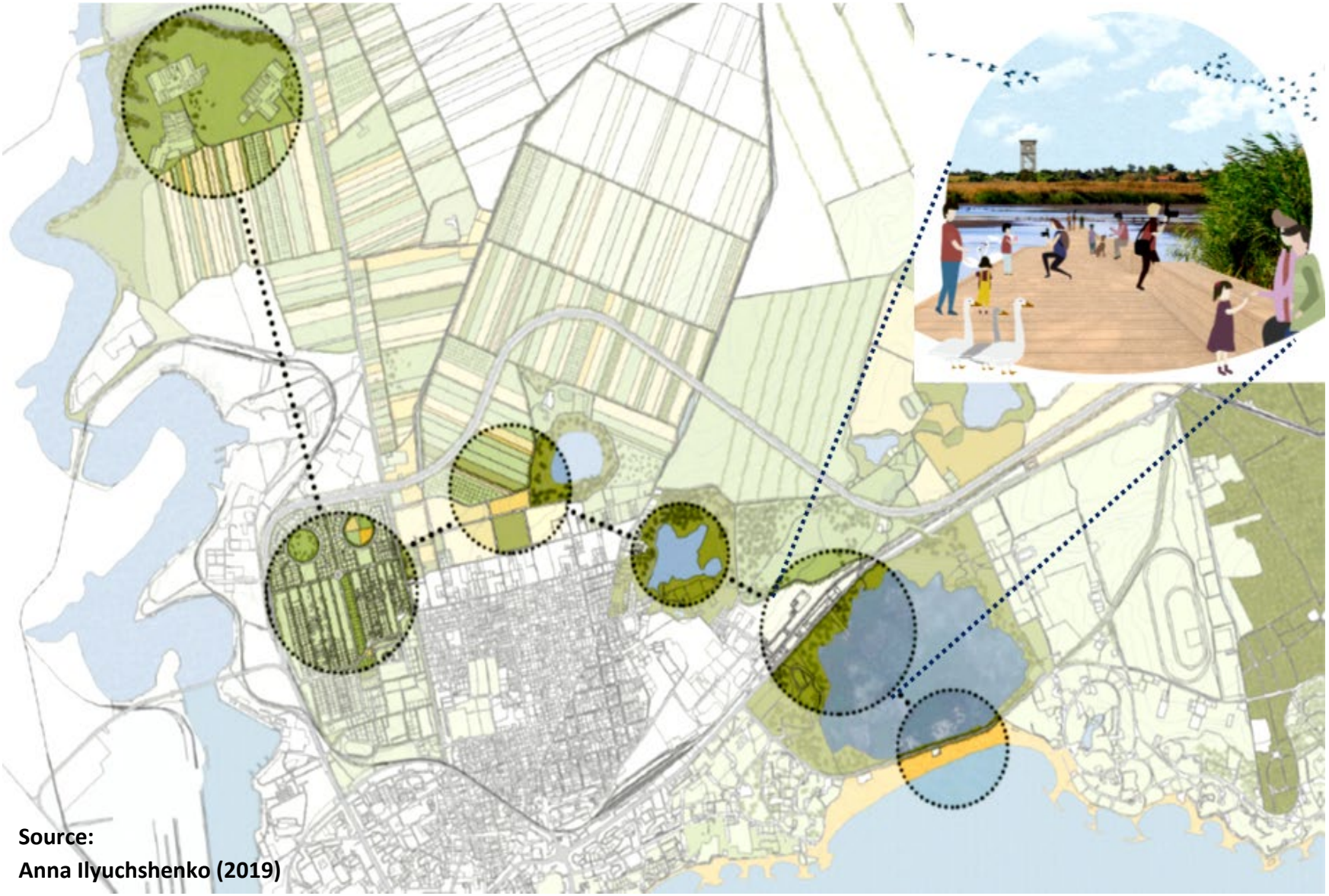

Source:
Anna Ilyuchshenko (2019)

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Questions for our discussion

1. What are the most important **skills** for integrated coastal planning and design?

1. What are the most important aspects in the **process** of integrated coastal planning and design?

1. What are good practice **examples** for integrated coastal planning and design?

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Conclusions and Outlook

Hybrid Intensive De Panne
end of September 2020
http://www.coland.eu

LNI Gdańsk Competition
Port Island starts October 1
https://forum.ln-institute.org

Universitatea de Arhitectură și Urbanism "Ion Mincu"
Eesti Maaülikool Estonian University of Life Sciences
Hochschule für Wirtschaft und Umwelt Nürtingen-Geislingen
HOCHSCHULE WEIHENSTEPHAN-TRIESDORF UNIVERSITY OF APPLIED SCIENCES
ULB Faculté d'Architecture La Cambre Horta
LE:NOTRE Institute
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Thank you for your attention