

WP1 (COORDINATION AND COMMUNICATION)

Aalto University



NEED: Concerning Climate Change adaptation, there is a need to align agendas and visions of the different types of stakeholders involved in the management and transformation of the landscape, both in rural and urban areas as well as in transitional spaces.

GOAL: The AELCLIC-PATHFINDER would define and test MODELS for the configuration of regional/local (bottom-up) networks with the social, financial, administrative and technical capacity to co-define Landscape Adaptation Plans to Climate Change (LACAPs).

OUTCOME & METHOD: The final outcome of the AELCLIC-PATHFINDER would be a set of regional/local Consortia in a strategically selected set of **16 European Pilot Landscapes** that have been chosen in order to cover the climatic, socio-economic, cultural and biogeographical diversity of Europe and in order to produce highly transferable and scalable models.

USERS: The final users of the models and results will be firstly the regional/local communities where the Consortia will be defined as a result of the AELCLIC-PATHFINDER.

9 PARTNERS (all CLIMATE-KIC partners)

- Aalto University
- Wageningen University
- Universitat Politècnica de València
- Università di Bologna
- City of Helsinki
- Provincie Zuid-Holland
- Las Naves
- Comune di Bologna
- Fondazione per l'Innovazione Urbana

**11 THIRD PARTIES:**

- UNISCAPE (Network of Universities)
- CIVILSCAPE (Network of Civil organizations)
- Landscape Observatory of Finland
- University IUAV di Venezia
- National University Ireland Galway
- PIANTE FARO
- EURODITE
- Landscape Observatory of Catalonia
- Landscape Observatory of the Canary Islands
- Landscape Observatory of the Netherlands
- University of Porto

**More than 100 LOCAL ORGANIZATIONS IN 15 PILOT LANDSCAPES**

- Local and Regional Administrations
- Companies and Economic actors
- Local Civil Organizations (NGOs)
- Public bodies
- Research Institutions

AELCLIC PATHFINDER (Partners & Third parties; Pilot Landscapes)

AELCLIC partners

- Academic
- Regions / Cities
- NGOS
- Business

AELCLIC third parties

- Academic
- Regions / Cities
- NGOS
- Business

AELCLIC Leading Pilot Landscapes

AELCLIC Multiplier Pilot Landscapes

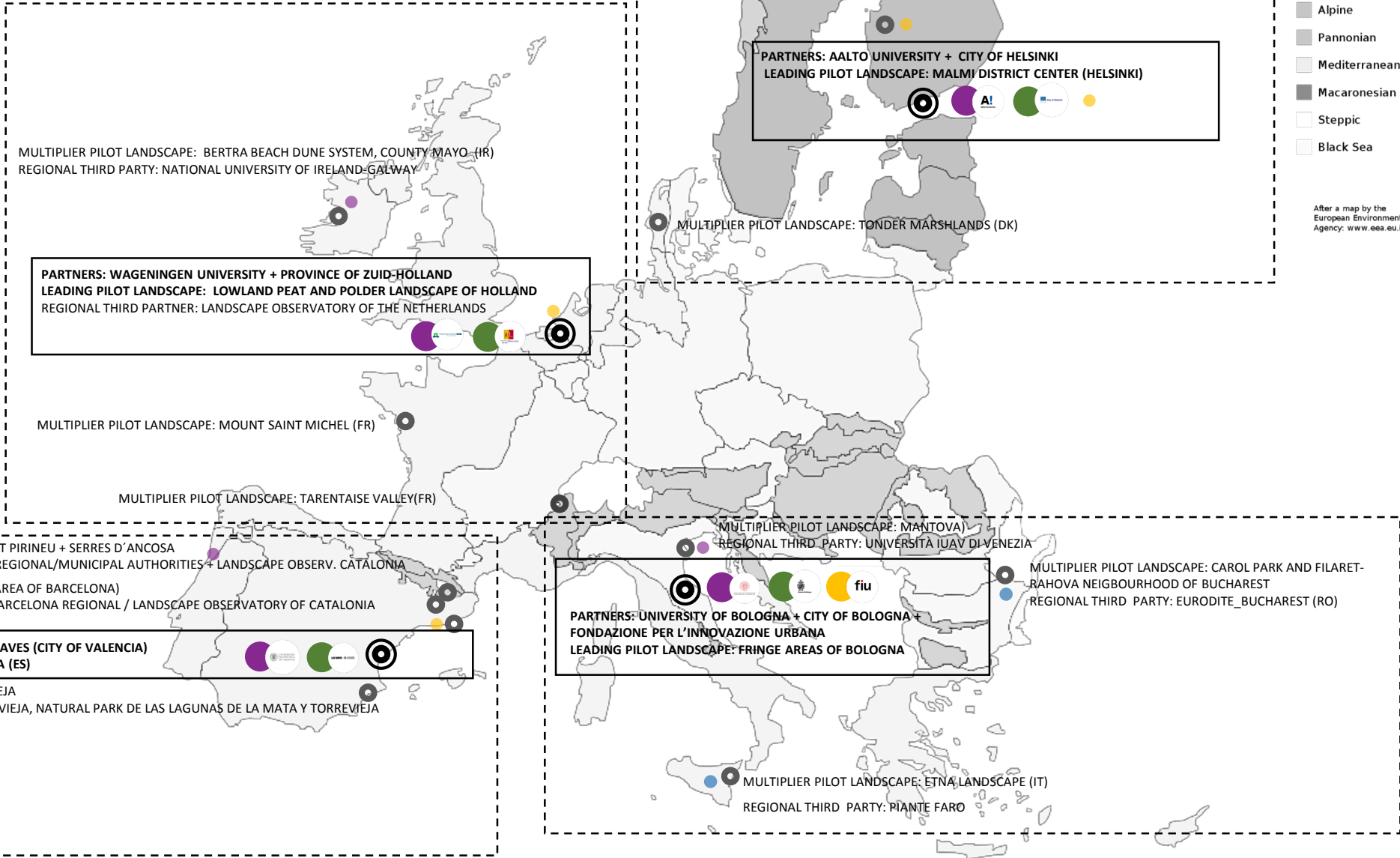
EUROPEAN NETWORKS

- UNISCAPE (UNIVERSITIES)
- CIVILSCAPE (CIVIL SOCIETY ORGANIZATIONS (NGOS))

Biogeographical regions of the European Union

- Boreal
- Atlantic
- Continental
- Alpine
- Pannonian
- Mediterranean
- Macaronesian
- Steppic
- Black Sea

After a map by the European Environment Agency: www.eea.eu



WP1: Coordination

- **RESPONSIBLE:** Aalto University
- **TASKS:** Coordination, General Dissemination and Web of the Project
- **BUDGET:** 3,500 € + 25% Co-funded by Aalto University (875 €) = **4,375 €**

THIRD PARTIES:

- UNISCAPE (EU)
- CIVILSCAPE (EU)

WP2: Implementation Northern Europe

- **RESPONSIBLE:** Aalto University
- **TASKS:** Definition of models and Consortia in the Finnish, Danish (and Swedish) Pilot Landscapes.
- **BUDGET:** 25,500 € + 25% Co-funded by Aalto University (6,375 €) = **31,875 €**

BUDGET_2: Collaboration in the Pihlajamäki District? Pilot Landscape (Helsinki, FI)

- **RESPONSIBLE:** City of Helsinki
- **TASKS:** Collaboration in the definition of a Consortium for the Helsinki Pilot Landscape (Pihlajamäki District)
- **BUDGET:** **Managed by Aalto University**

THIRD PARTIES:

- Landscape Observatory of Finland (FI)
- **New third parties will join during the constitution of local networks/consortia in the Pilot Landscapes**

PILOT LANDSCAPES:

- Leading Pilot Landscape: **Pihlajamäki District (Helsinki, FI)**
- Multiplier Pilot landscapes:
 - TORNIO RIVER VALLEY (FI-SE)
 - HYYPÄNJOKI CULTURAL LANDSCAPE (FI)
 - TONDER MARSHLANDS (DK)

WP3: Implementation Atlantic-Alpine Europe

- **RESPONSIBLE:** Wageningen University
- **TASKS:** Definition of models and Consortia in the Dutch, Irish and French Pilot Landscapes.
- **BUDGET:** 29,500 € + 25% Co-funded by University of Wageningen (7,375 €) = **36,875 €**

BUDGET_3: Collaboration in the: Lowland Peat and Polder Landscape of Holland (NL)

- **RESPONSIBLE:** Province of Zuid-Holland
- **TASKS:** Collaboration in the definition of a Consortium for the "Lowland Peat and Polder Landscape of Holland" Pilot Landscape.
- **BUDGET:** **Managed by Wageningen University**

THIRD PARTIES:

- National University of Ireland-Galway (IR)
- Landscape Observatory of the Netherlands (NL)
- **New third parties will join during the constitution of local networks/consortia in the Pilot Landscapes**

PILOT LANDSCAPES:

- Leading Pilot Landscape: **Lowland Peat and Polder Landscape of Holland (NL)**
- Multiplier Pilot landscapes:
 - BERTRA BEACH DUNE SYSTEM, COUNTY MAYO (IR)
 - TARENTAISE ALPINE VALLEY (FR)
 - MOUNT SAINT MICHEL (FR)

WP4: Implementation South-Western Europe

- **RESPONSIBLE:** Polytechnic University of Valencia
- **TASKS:** Definition of models and Consortia in the Spanish and Portuguese Pilot Landscapes.
- **BUDGET:** 16,000 € + 25% Co-funded by Polytechnic University of Valencia (4,000 €) = **20,000 €**

BUDGET_4: Collaboration in the Huerta de Valencia Pilot Landscape (Valencian Region, ES)

- **RESPONSIBLE:** Las Naves-City of Valencia
- **TASKS:** Collaboration in the definition of a Consortium the Huerta de Valencia Pilot Landscape
- **BUDGET:** 4,000 € + 25% Co-funded by Las Naves-City of Valencia (1000 €) = **5,000 €**

THIRD PARTIES:

- Landscape Observatory of Catalonia (ES)
- **New third parties will join during the constitution of local networks/consortia in the Pilot Landscapes**

PILOT LANDSCAPES:

- Leading Pilot Landscape: **Huerta de Valencia (ES)**
- Multiplier Pilot landscapes:
 - RIVER BESÒS _METROPOLITAN AREA BARCELONA (CATALONIA, ES)
 - SERRES D'ANCOSA (CATALONIA, ES)
 - PARC NATURAL ALT PIRINEU (CATALONIA, ES)
 - LA MATA-TORREVIEJA (VALENCIAN REGION, ES)

WP5: Implementation South-Eastern Europe

- **RESPONSIBLE:** University of Bologna
- **TASKS:** Definition of models and Consortia in the Italian and Romanian
- **BUDGET:** 17,500 € + 25% Co-funded by University of Bologna (4,375 €) = **21,875 €**

BUDGET_5: Collaboration in the "Fringe Areas of Bologna" Pilot Landscape (IT)

- RESPONSIBLE:** Fondazione per l'Innovazione Urbana
- TASKS:** Collaboration in the definition of a Consortium for the "Fringe Areas of Bologna" Pilot Landscape
- BUDGET:** 4,000 € + 25% Co-funded by Fondazione per l'Innovazione Urbana (1000 €) = **5,000 €**

THIRD PARTIES:

- Università IUAV di Venezia (IT)
- Eurodite (SME) (RO)
- Piante Faro (IT)
- **New third parties will join during the constitution of local networks/consortia in the Pilot Landscapes**

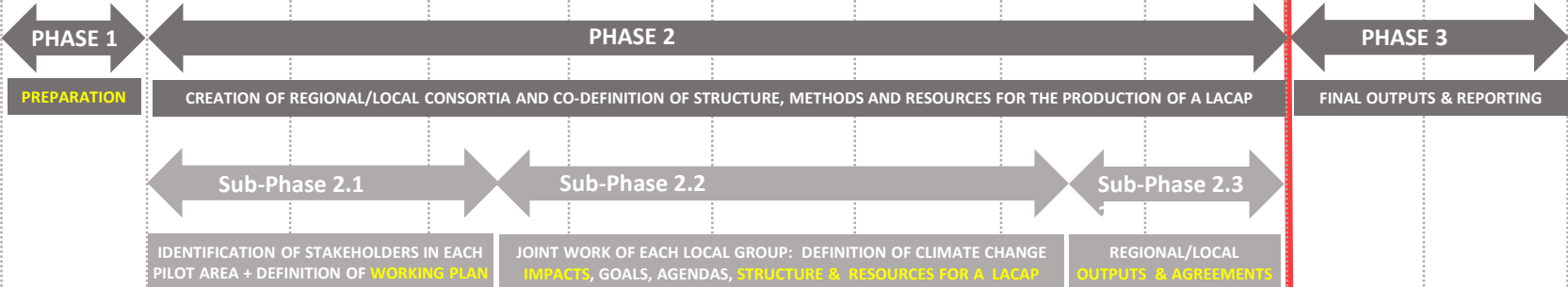
PILOT LANDSCAPES:

- Leading Pilot Landscape: **Fringe Areas of Bologna (IT)**
- Multiplier Pilot landscapes:
 - CAROL PARK AND FILARET-RAHOVA NEIGHBOURHOOD OF BUCHAREST (RO)
 - MANTOVA CITY CENTER (IT)
 - ETNA LANDSCAPES (IT)

AELCLIC_PATHFINDER_in a Nutshell

INTERNATIONAL MEETING BOLOGNA (13.11.2019)

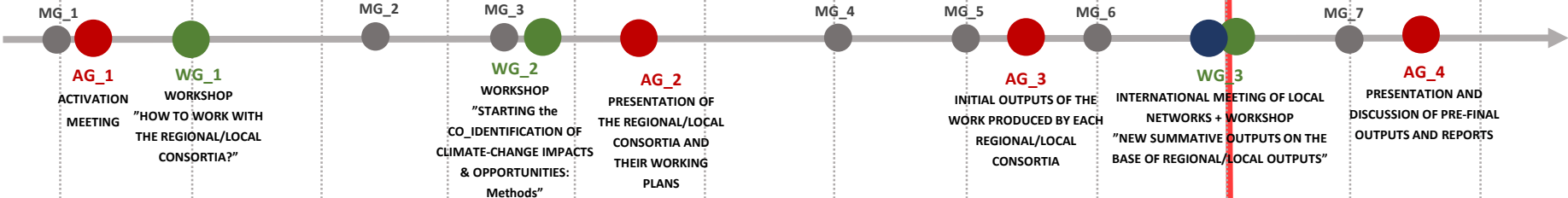
15th FEBRUARY Kick-off 15 MARCH 15 APRIL 15 MAY 15 JUNE 15 JULY 15 AUGUST 15 SEPTEMBER 15 OCTOBER 15 NOVEMBER 15 DECEMBER END



COORDINATION & MANAGEMENT (WP1)

Management Group (MG) : all the partners of the project
Advisory Board (AB): all the third parties

- MG_x: Regular On-line meeting of the MG
- WG_x: Workshop meeting (face to face) of the MG
- AG_x: Milestone On-line meeting of the MG + AB



IMPLEMENTATION OF THE PROJECT (WP1, 2, 3, 4, 5)

- PO_x Partial OUTPUT in LEADING PILOT / in MULTIPLIER PLOT
- PD_x Partial DELIVERABLE in LEADING PILOT/in MULTIPLIER PILOT
- FO_y Final OUTPUT
- FD_y Final DELIVERABLE

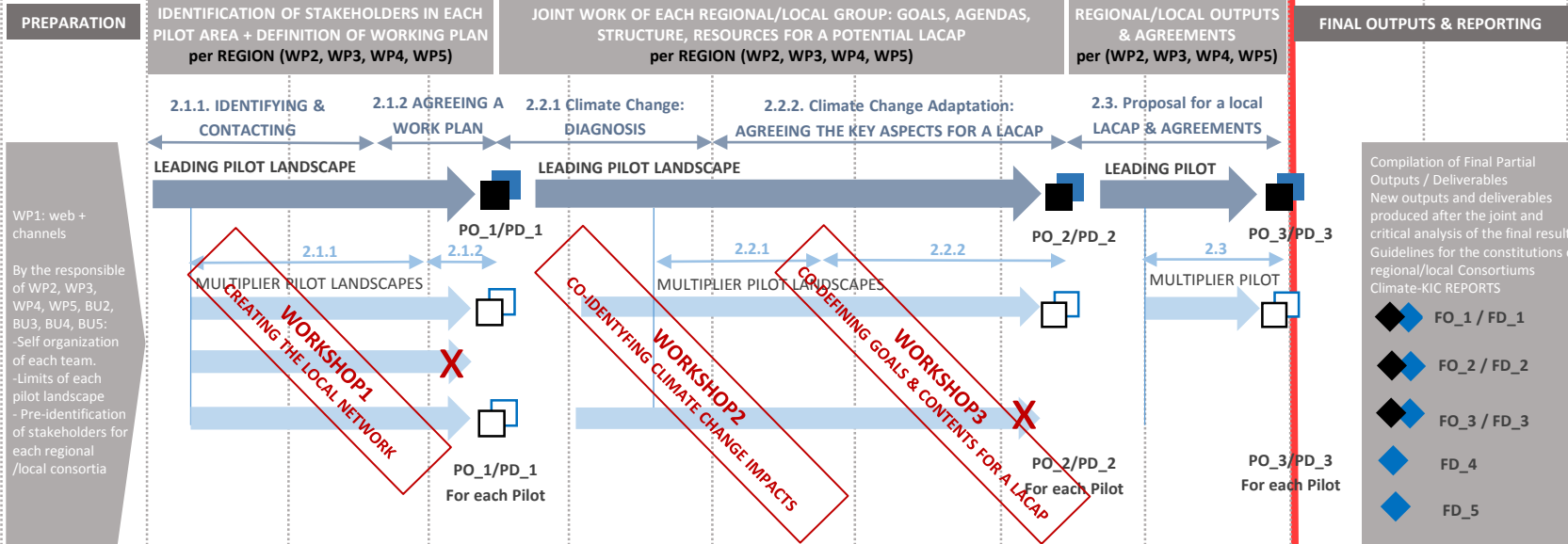
Partial outputs/deliverables:

- (X = 1): Consortium and Working Plan for each Pilot Landscape
- (X = 2): Draft Structure and Implementation Plan for a LACAP (per Consortium & Pilot)
- (X = 3): Final Structure and Implementation Plan for a LACAP (per Consortium & Pilot)

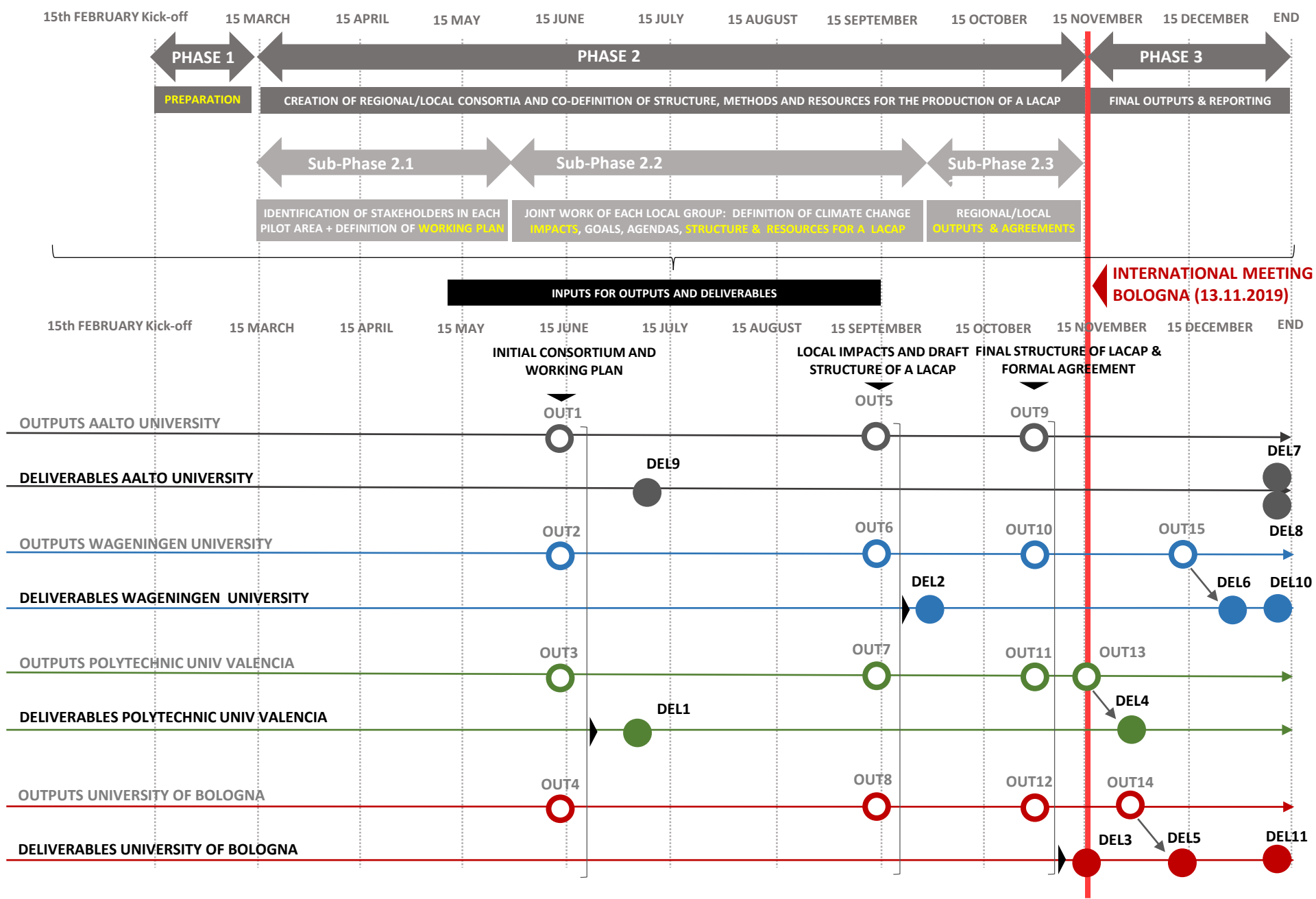
Final outputs/deliverables:

- (Y = 1): Compilation of Final Partial Outputs / Deliverables
- (Y = 2): New outputs and deliverables produced after the joint and critical analysis of the final results in each Pilot Landscape
- (Y = 3): Guidelines for the constitutions of regional/local Consortiums
- (Y = 4) Climate-KIC REPORTS (Performance report, financial report, etc.)
- (Y = 5): web with all the deliverables

NOTE_ All the deliverables will be displayed in the web and disseminated by the partners



LOGIC MODEL_AELCLIC PATHFINDER_SCHEDULE FOR THE FINALIZATION OF OUTPUTS AND DELIVERABLES



- OUT1 CONSORTIUMS AND WORKING PLANS FOR EACH PILOT LANDSCAPE IN NORTHERN EUROPE
- OUT2 CONSORTIUMS AND WORKING PLANS FOR EACH PILOT LANDSCAPE IN ATLANTIC AND ALPINE EUROPE
- OUT3 CONSORTIUMS AND WORKING PLANS FOR EACH PILOT LANDSCAPE IN SOUTH-WESTERN EUROPE
- OUT4 CONSORTIUMS AND WORKING PLANS FOR EACH PILOT LANDSCAPE IN SOUTH-EASTERN EUROPE
- OUT5 DRAFT STRUCTURE AND IMPLEMENTATION PLAN FOR A FUTURE LACAP (PER CONSORTIUM & PILOT) IN NORTHERN EUROPE
- OUT6 DRAFT STRUCTURE AND IMPLEMENTATION PLAN FOR A LACAP (PER CONSORTIUM & PILOT) IN ATLANTIC AND ALPINE EUROPE
- OUT7 DRAFT STRUCTURE AND IMPLEMENTATION PLAN FOR A FUTURE LACAP (PER CONSORTIUM & PILOT) IN SOUTH-WESTERN EUROPE
- OUT8 DRAFT STRUCTURE AND IMPLEMENTATION PLAN FOR FUTURE LACAP (PER CONSORTIUM & PILOT) IN SOUTH-EASTERN EUROPE
- OUT9 FINAL STRUCTURE AND IMPLEMENTATION PLAN FOR A FUTURE LACAP (PER CONSORTIUM & PILOT LANDSCAPE) IN NORTHERN EUROPE
- OUT10 FINAL STRUCTURE AND IMPLEMENTATION PLAN FOR A FUTURE LACAP (PER CONSORTIUM & PILOT LANDSCAPE) IN ATLANTIC AND ALPINE EUROPE
- OUT11 FINAL STRUCTURE AND IMPLEMENTATION PLAN FOR A FUTURE LACAP (PER CONSORTIUM & PILOT LANDSCAPE) IN SOUTH-WESTERN EUROPE
- OUT12 FINAL STRUCTURE AND IMPLEMENTATION PLAN FOR A FUTURE LACAP (PER CONSORTIUM & PILOT LANDSCAPE) IN SOUTH-EASTERN EUROPE
- OUT13 COMPILATION OF FINAL PARTIAL OUTPUTS OUT1-OUT12
- OUT14 NEW FINDINGS PRODUCED AFTER THE JOINT AND CRITICAL ANALYSIS OF THE FINAL RESULTS IN EACH PILOT LANDSCAPE AND IN THE WHOLE NETWORK
- OUT15 GUIDELINES FOR THE CONSTITUTIONS OF REGIONAL/LOCAL CONSORTIUMS FOR THE DEFINITION OF LANDSCAPE-CLIMATE CHANGE ADAPTATION PLANS
- DEL1 EDITED AND IMPROVED COMPILATION OF PARTIAL OUTCOMES FROM THE DIFFERENT GEOGRAPHICAL ZONES (OUT1, 2, 3 AND 4)
- DEL2 EDITED AND IMPROVED COMPILATION OF PARTIAL OUTCOMES FROM THE DIFFERENT GEOGRAPHICAL ZONES (OUT5, 6, 7 AND 8)
- DEL3 EDITED AND IMPROVED COMPILATION OF PARTIAL OUTCOMES FROM THE DIFFERENT GEOGRAPHICAL ZONES (OUT9, 10, 11 AND 12)
- DEL4 EDITED AND IMPROVED COMPILATION OF FINAL PARTIAL DELIVERABLES (DEL1+DEL2+DEL3)
- DEL5 EDITED AND IMPROVED PRESENTATION OF THE NEW FINDINGS PRODUCED AFTER THE JOINT AND CRITICAL ANALYSIS OF THE FINAL RESULTS IN EACH PILOT LANDSCAPE AND IN THE WHOLE NETWORK
- DEL6 FINAL GUIDELINES FOR THE CONSTITUTIONS OF REGIONAL/LOCAL CONSORTIUMS FOR THE DEFINITION OF LANDSCAPE-CLIMATE CHANGE ADAPTATION PLANS
- DEL7 CLIMATE-KIC REPORTS (PERFORMANCE REPORT, FINANCIAL REPORT, ETC.)
- DEL8 WEB WITH ALL THE DELIVERABLES
- DEL9 SCIENTIFIC ARTICLE OR CONFERENCE PAPER: IDENTIFYING AND ALIGNING AGENDAS FOR MULTI-STAKEHOLDER CONSORTIA ON CLIMATE CHANGE ADAPTATION & MITIGATION
- DEL10 SCIENTIFIC ARTICLE OR CONFERENCE PAPER: SETTING MULTI-STAKEHOLDER CONSORTIA ON CLIMATE CHANGE ADAPTATION & MITIGATION: MODELS FROM THE AELCLIC PROJECT
- DEL11 SIGNED AGREEMENTS FOR A JOINT COMMITMENT OF PARTNERS IN THE ESTABLISHED LOCAL CONSORTIA

	WORKSHOP1 "Who" Local Network & Work-Plan	WORKSHOP2 "What for" Co-identification of impacts and opportunities	WORKSHOP3 "How" Co-definition of key contents for a LACAP
MALMI (HELSINKI)	10.5.2019 (REPORTED)	12.6.2019 (REPORTED)	29.8.2019 (REPORTED)
HYYPÄJOKI VALLEY	26.4.2019 (REPORTED)	14.6.2019 (REPORTED)	6.9.2019 (REPORTED)
TORNIO RIVER VALLEY	24.5.2019 (REPORTED)	30.8.2019 (REPORTED)	8.10.2019 (REPORTED)
TØNDER MARSHLANDS			
LOWLAND PEAT AND POLDER LANDSCAPE OF HOLLAND			
BERTRA DUNE SYSTEM	7.5.2019 (REPORTED)		1.10.2019
HAUTE TARENTEISE	8.10.2019		21.10.2019
MONT SAINT MICHEL			
HUERTA DE VALENCIA	17.6.2019 REPORTED)		17.10.2019
RIVER BESÒS (METROPOLITAN AREA OF BARCELONA)	2.10.2019		30.10.2019
SERRES D'ANCOSA	8.10.2019		1st week of November
PARC NATURAL ALT PIRINEU	4.10.2019		1st week of November
LA MATA-TORREVIEJA	25.9.2019		23.10.2019
URBAN FRINGE CITY OF BOLOGNA	16.5.2019 (REPORTED)		18.9.2019 (REPORTED)
CITY OF MANTOVA	13.5.2019 (REPORTED)	16.7.2019 (REPORTED)	Final Wrap-up (REPORTED)
CAROL PARK AND FILARET-RAHOVA NEIGHBORHOOD (BUCHAREST)	4.7.2019 (REPORTED)		
ETNA LANDSCAPE	19.7.2109 (REPORTED)		

<https://aelcllicpathfinder.com/>

Presentation contact News & Events



Presentation ▾

Northern Europe

Atlantic-Alpine Europe

South-Western Europe

South-Eastern Europe

Results



https://aelclicpathfinder.com/

Northern Europe



The Northern and Boreal region of the AELCLIC-Pathfinder project comprises the Scandinavian and Baltic part of Europe and includes 4 Pilot Landscapes. The Malmi district of the city of Helsinki (Finland), the agricultural and protected Hyypä river valley in Finland, the Tornio river valley in the sparsely inhabited Lappish frontier between Sweden and Finland, and the extensive, intertidal lands of the Tønder region (Denmark).

According to the European Environmental Agency, the Nordic and Baltic region will experience a temperature rise much larger than global average, a decrease in snow, lake and river ice cover, an increase in river flows, a northward movement of species and an increasing damage risk from winter storms. At the same time, the area will witness an increase in crop yields, a decrease in energy demand for heating, an increase in hydropower potential and an increase in summer tourism. These general impacts will be studied and complemented in detail with different local stakeholder in the AELCLIC Pilot Landscapes in order to co-identify the consequences of climate change in peoples' livelihoods and in the way they interact with their landscape.

PARTNERS

THIRD PARTIES

▼ MALMI DISTRICT - LEADING PILOT LANDSCAPE

MALMI DISTRICT (Helsinki)

The Old Malmi AELCLIC pilot-landscape includes a consolidated but developing urban area around the old Malmi railway station. According to the strategy, visions and guidelines of City of Helsinki, this area will acquire new and multiple functions and will catalyze the transformation of the Malmi district. The AELCLIC project will add the Climate Change Adaption layer to the coming plans. The area covers 25 ha approx



Ninho kulttuurikeskus ry



SOCIETAL GROUP

info@ninho.fi

Neighbor

SOCIETAL GROUP

hannamaidell@gmail.com

OUTPUTS / RESULTS:

1. Local Network and Work Plan –

- +AELCLIC_WP2_Malmi_WORKSHOP1_Report – ENGLISH (.PDF)
- + AELCLIC_WP2_Malmi_WORKSHOP1_Report– FINNISH (.PDF)
- +AELCLIC_WP2_Malmi_WORKSHOP1_MATERIALS – ENGLISH (.PDF)
- +_AELCLIC_WP2_MALMI_Workshop1_MATERIALS – FINNISH (.PDF)
- +_AELCLIC_WP2_Malmi_WORKSHOP1_RESULTS – ENGLISH (.PDF) //
- +_AELCLIC_WP2_MALMI_Workshop1_RESULTS – FINNISH (.PDF)

2. Co-identified impacts and opportunities + Initial structure and contents for a LACAP (Landscape Adaptation Plan) –

- + AELCLIC_WP2_Malmi_WORKSHOP2_Report – ENGLISH (.PDF)
- + AELCLIC_WP2_Malmi_WORKSHOP2_Report – FINNISH (.PDF)
- + AELCLIC_WP2_Malmi_WORKSHOP2_MATERIALS – ENGLISH (.PDF)
- + AELCLIC_WP2_Malmi_WORKSHOP2_MATERIALS – FINNISH (.PDF)
- + AELCLIC_WP2_Malmi_WORKSHOP2_RESULTS – ENGLISH (.PDF)
- + AELCLIC_WP2_Malmi_WORKSHOP2_RESULTS – FINNISH (.PDF)

3. Structure and Contents for a LACAP + Climate Change Agreement –

- + AELCLIC_WP2_Malmi_WORKSHOP3_Report – ENGLISH (.PDF)
- + AELCLIC_WP2_Malmi_WORKSHOP3_MATERIALS – ENGLISH (.PDF)
- + AELCLIC_WP2_Malmi_WORKSHOP3_RESULTS – ENGLISH (.PDF)

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Atlantic-Alpine Europe



The Atlantic and Alpine region of the AELCLIC-Pathfinder project c includes 4 Pilot Landscapes. The Lowland Peat and Polder Landscape of Holland (The Netherlands), The Bertra beach dune system of County Mayo (Ireland), the alpine and glaciers landscape of the Haute Tarentaise Valley (France) and the Mont Saint Michel (France)

According to the European Environmental Agency, the Northern Atlantic region will experience an increase in winter precipitation and in river flow, a northward movement of specie, a decrease in energy demand for heating and an increasing risk of river and coastal flooding. The Alpine region will witness a temperature rise larger than European average, a decrease in glacier extent and volume, a reduction in mountain permafrost areas, an upward shift of plant and animal species, a high risk of species extinction, an increasing risk of soil erosion and a decrease in ski tourism. These general impacts will be studied and complemented in detail with different local stakeholder in the AELCLIC Pilot Landscapes in order to co-identify the consequences of climate change in peoples' livelihoods and in the way they interact with their landscape

PARTNERS

THIRD PARTIES

▼ LOWLAND PEAT AND POLDER - LEADING PILOT LANDSCAPE

▼ BERTRA DUNE SYSTEM - MULTIPLIER PILOT LANDSCAPE

BERTRA DUNE SYSTEM (County Mayo, Ireland)

The vision of the AELCLIC-project for the Bertra Pilot Landscape is to create a forum for the integrated management of Bertra Strand and its surrounding landscape. The included beach-dune system is in a precarious state, with multiple pressures including climate change threatening its long-term future. The project is engaging local communities and stakeholders, local and national authorities and the academic community in a joint approach to managing and planning for this valuable landscape in the face of climate change



LOCAL NETWORK OF STAKEHOLDERS:

we will add here after the WORKSHOP1 the names, logos and contact of each local organization participating in the local network/consortium

OUTPUTS / RESULTS:

1. Local Network and Work Plan – (expected in May 2019)
+_AELCLIC_WP3_Bertra_Ireland_WORKSHOPS1&2_Report – ENGLISH (.PDF)
+_AELCLIC_WP3_Bertra_PUBLIC VERSION_Report WORKSHOPS1&2 – ENGLISH(.PDF)
2. Co-identified impacts and opportunities + Initial structure and contents for a LACAP (Landscape Adaptation Plan) – (expected in September 2019)

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South-Western Europe



The South Western region of the AELCLIC-Pathfinder project includes 5 Pilot Landscapes. The Huerta de Valencia (Comunidad Valenciana, Spain), the Serres d'Ancosa landscape unit (Catalonia, Spain), the final stretch of the Besòs river in the Metropolitan Area of Barcelona (Catalonia, Spain), the coastal landscape of La Mata – Torrevieja (Comunidad Valenciana, Spain), and the alpine landscapes of the Alt Pirineu Natural Park (Catalonia, Spain).

According to the European Environmental Agency, Mediterranean Europe will experience a temperature rise larger than European average, a decrease in annual precipitation and in annual river flow, an increasing risk of biodiversity loss, a growing risk of desertification, an increasing water demand for agriculture, a reduction in crop yields and an increasing risk of forest fire. In addition, the area will undergo an increase in mortality from heat waves; the expansion of habitats for southern disease vectors a decrease in hydropower potential, a diminution in summer tourism and a potential increase in other seasons.

These general impacts will be in many cases aggravated by a high socio-economic vulnerability and will be studied and complemented in detail with different local stakeholder in the AELCLIC Pilot Landscapes in order to co-identify the consequences of climate change in peoples' livelihoods and in the way they interact with their landscape.

PARTNERS

▼ LA HUERTA DE VALENCIA - LEADING PILOT LANDSCAPE

Huerta de Valencia-Alboraya

La Huerta de Valencia-Alboraya- is an agricultural landscape with a historical hydrologic infrastructure that takes and distributes water from the Turia River. It has outstanding heritage, landscape, environmental and cultural values. Its preservation and adaptation to climate change requires a plan that ensures its sustainable continuity.



LOCAL NETWORK OF STAKEHOLDERS:

INSTITUTION	TYPE OF STAKEHOLDER	email	NAME OF CONTACT
Instituto Valenciano de Investigaciones Agrarias (IVIA) 	Research		Dr. Ángeles Calatayud
La Unió de Llauradors i Ramaders 	Societal Organization	jcastro@launio.org	José Castro
Horta Viva 	Private sector	info@hortaviva.net	Miquel Minguet

OUTPUTS / RESULTS:

1. Local Network and Co-identified impacts and opportunities from Climate Change – *(expected in May 2019)*
+1_AELCLIC_WP4_Huerta_WORKSHOP1_Report – ENGLISH (.PDF)
+ 2_AELCLIC_WP4_Huerta_WORKSHOP1_MATERIALS – ENGLISH (.PDF)
+ 3_AELCLIC_WP4_Huerta_WORKSHOP1_RESULTS– ENGLISH (.PDF)
2. Initial structure and contents for a LACAP (Landscape Adaptation Plan) – *(expected in September 2019)*
3. Structure and Contents for a LACAP + Climate Change Agreement – *(expected in November 2019)*

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South-Eastern Europe



The South Eastern region of the AELCLIC-Pathfinder project includes 4 Pilot Landscapes. The north-eastern fringe areas of the municipality of Bologna (Emilia Romagna, Italy), the city of Mantova (Lombardy, Italy), the Southeastern part of the Etna landscapes (Sicily, Italy) and the Carol Park and the Filaret-Rahova neighborhood of Bucharest (Romania)

According to the European Environmental Agency, Mediterranean Europe will experience a temperature rise larger than European average, a decrease in annual precipitation and in annual river flow, an increasing risk of biodiversity loss, a growing risk of desertification, an increasing water demand for agriculture, a reduction in crop yields and an increasing risk of forest fire. In addition, the area will undergo an increase in mortality from heat waves; the expansion of habitats for southern disease vectors a decrease in hydropower potential, a diminution in summer tourism and a potential increase in other seasons. On the other hand, continental Eastern Europe will experience an increase in warm temperature extremes and water temperature, a decrease in summer precipitation, an increasing risk of forest fire and a diminution of economic value of forests.

These general impacts will be in many cases aggravated by a high socio-economic vulnerability and will be studied and complemented in detail with different local stakeholder in the AELCLIC Pilot Landscapes in order to co-identify the consequences of climate change in peoples' livelihoods and in the way they interact with their landscape.

PARTNERS

THIRD PARTIES

▼ BOLOGNA - LEADING PILOT LANDSCAPE

North-eastern fringe areas of the municipality (Bologna)

The Pilot Landscape of Bologna is a fringe region including a wide collage of periurban land uses: residential areas, green areas and community gardens, agricultural areas and farms, food industries, shopping/business parks, university campus, mobility infrastructures, leisure/tourism activities related to the agri-food sector. Development is planned in a portion of the agricultural areas of the pilot. This pilot thus offers the opportunity to address a wide range of challenges related to the impacts of climate change on many sectors, including those relevant for landscapes waiting for transformations, where both (even long) transition phases and developed scenarios have to be considered.

Area: about 23 square kilometres (2.300 hectares)



- Giuseppe De Togni, Comune di Bologna
- Julia Colver, Nomisma
- Marco Spinedi: interporto Bologna
- Marco Caliceti: Confagricoltura Bologna
- Claudio Cervellati, Confagricoltura Bologna ed Emilia Romagna
- Marco Alberghini UGC Cisl Area Metropolitana Bolognese
- Michele Solmi: Consorzio Bonifica Renana
- Andrea Morsolin: Consorzio Bonifica Renana
- Stefano Savini: Emilbanca
- Silvia Bergami: EmilBanca
- Marco Odaldi: AESS (Agenzia Energia e Sviluppo Sostenibile) Modena
- Patrizia Preti: Orti di Via Salgari, ANCESCAO
- Andrea Bruini: Granarolo Group
- Lucia Fresca: Agenzia del Pilastro
- Francesco Palmieri: Bologna Welcome
- Carmine Preziosi: ANCE Bologna (Collegio Costruttori Edili)
- Chloy Vlamidis, Agenzia di Sviluppo Pilastro

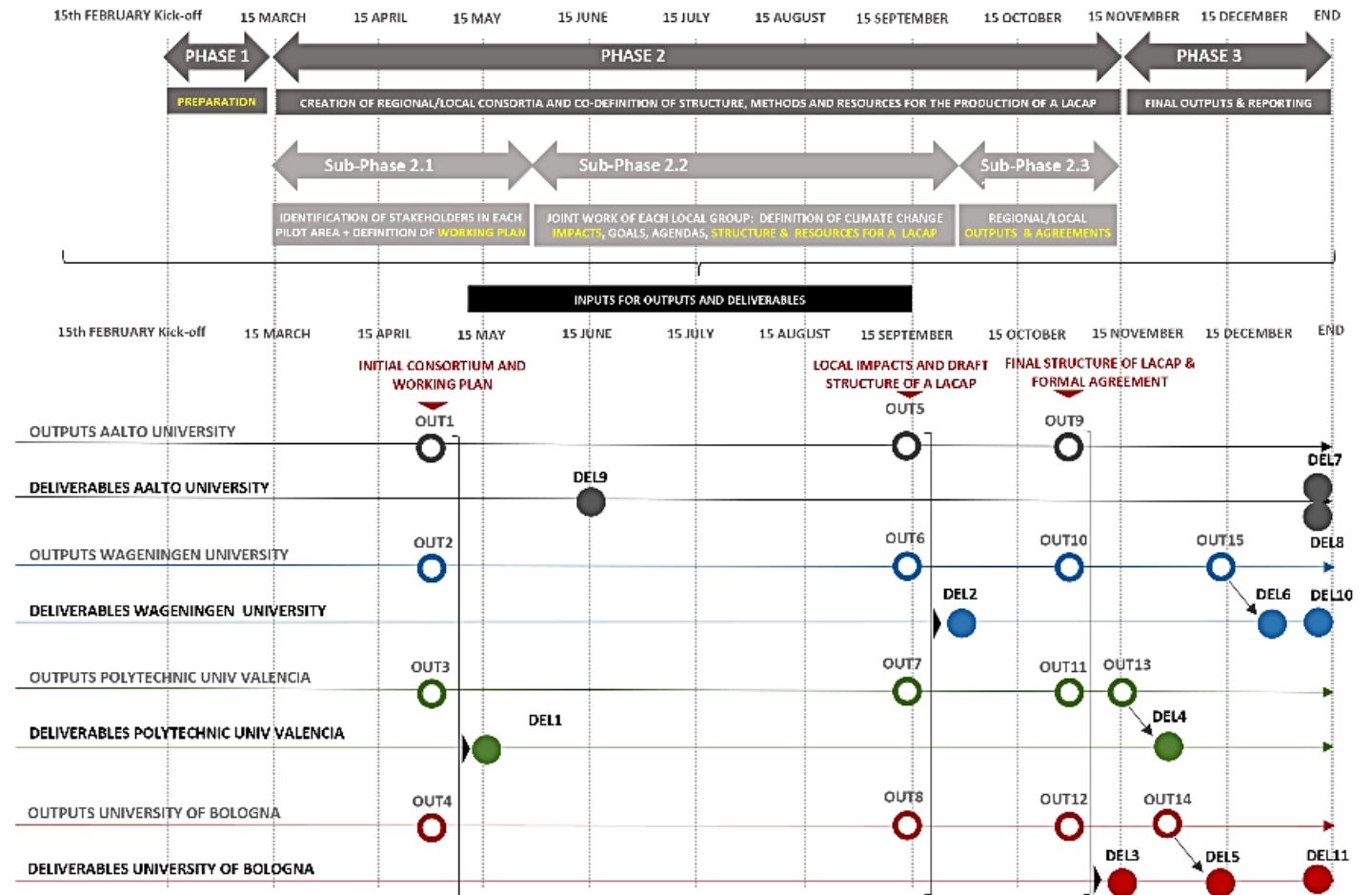
OUTPUTS / RESULTS:

1. Local Network and Work Plan & Co-identified impacts and opportunities + Initial structure and contents for a LACAP (Landscape Adaptation Plan)
[AELCLIC_WP5_Bologna_WORKSHOP1_REPORT_16.05.2019 – ENGLISH \(.PDF\)](#)
2. Structure and Contents for a LACAP + Climate Change Agreement – (expected in November 2019)

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Outcomes / Results

LOGIC MODEL_AELCLIC PATHFINDER_SCHEDULE FOR THE FINALIZATION OF OUTPUTS AND DELIVERABLES



▼ INTERNATIONAL MEETINGS AND WORKSHOPS

▼ DELIVERABLES

▼ FINDINGS AND GUIDELINES

SOCIETAL IMPACT

15 PILOT LANDSCAPES
+100 LOCAL ORGANIZATIONS
+500 PARTICIPANTS
IMPACT IN SOCIAL MEDIA

AELCLIC PATHFINDER
IMPACT IN MEDIA



Climate-KIC

Climate-KIC is supported by the
EU, a body of the European Union

AELCLIC_PATHFINDER: IMPACT IN MEDIA

NORTHERN EUROPE REGION

- GENERAL:
 - <https://www.aalto.fi/en/news/promoting-climate-change-adaptation-in-europe-from-the-local-level>
- MALMI:
 -
- HYYPPÄ:
 - See attached file (local newspaper)
- TORNIO:
 - See attached file_1 (local newspaper)
 - See attached file_2 (regional newspaper)

ATLANTIC AND ALPINE EUROPE REGION

- GENERAL:
 -
- BERTRA DUNE SYSTEM:
 -
- TARANTEISE VALLEY:
 -
- LOWLAND AND PEATLAND LANDSCAPES OF HOLLAND:
 -

SOUTH-WESTERN EUROPE REGION

- GENERAL:
 -
- HUERTA DE VALENCIA:
 - https://www.eldiario.es/cv/cambio-climatico-huerta-valencia_0_914808729.html
 - <https://www.lasnaves.com/agroalimentacion/la-upv-y-las-naves-coordinan-el-codiseno-de-un-plan-de-adaptacion-de-la-huerta-valenciana-al-cambio-climatico/?lang=es>
 - <https://www.youtube.com/watch?v=ua8BIF2HRgg&feature=youtu.be>
- RIVER BESOS:
 - <https://consorcibesos.cat/el-consorci-del-besos-col-labora-en-lorganitzacio-dunes-sessions-de-treball-sobre-ladaptacio-dels-paisatges-europeus-al-canvi-climatic-en-el-marc-del-projecte-europeu-aeld/>
 - <https://consorcibesos.cat/el-consorci-del-besos-continua-amb-els-treballs-de-col-laboracio-amb-el-projecte-europeu-aelcllic-pathfinder-sobre-ladaptacio-dels-paisatges-europeus-al-canvi-climatic/>
- LA MATA-TORREVIEJA:
 - <http://www.torreviejaip.tv/politica/2019102326599/taller-para-el-estudio-del-frente-costero-de-torrevieja.html>
 - https://issuu.com/vistaalegre/torrevieja/docs/va_3134
 - <https://objetivotorrevieja.wordpress.com/2019/10/24/el-frente-costero-de-torrevieja-paisaje-piloto-representativo-del-suroeste-de-europa/>
 - <http://torrevieja.es/sal/noticias/2019/10/Segundo%20taller%20estudio%20frente%20costero/index.aspx>
- PARC NATURAL ALT PIRINEU:
 - <https://govern.cat/salaprensa/notes-premsa/378646/parc-natural-alt-pirineu-16-paisatges-escolits-europa-estudiar-efectes-del-canvi-climatic>

AELCLIC PATHFINDER
IMPACT IN MEDIA

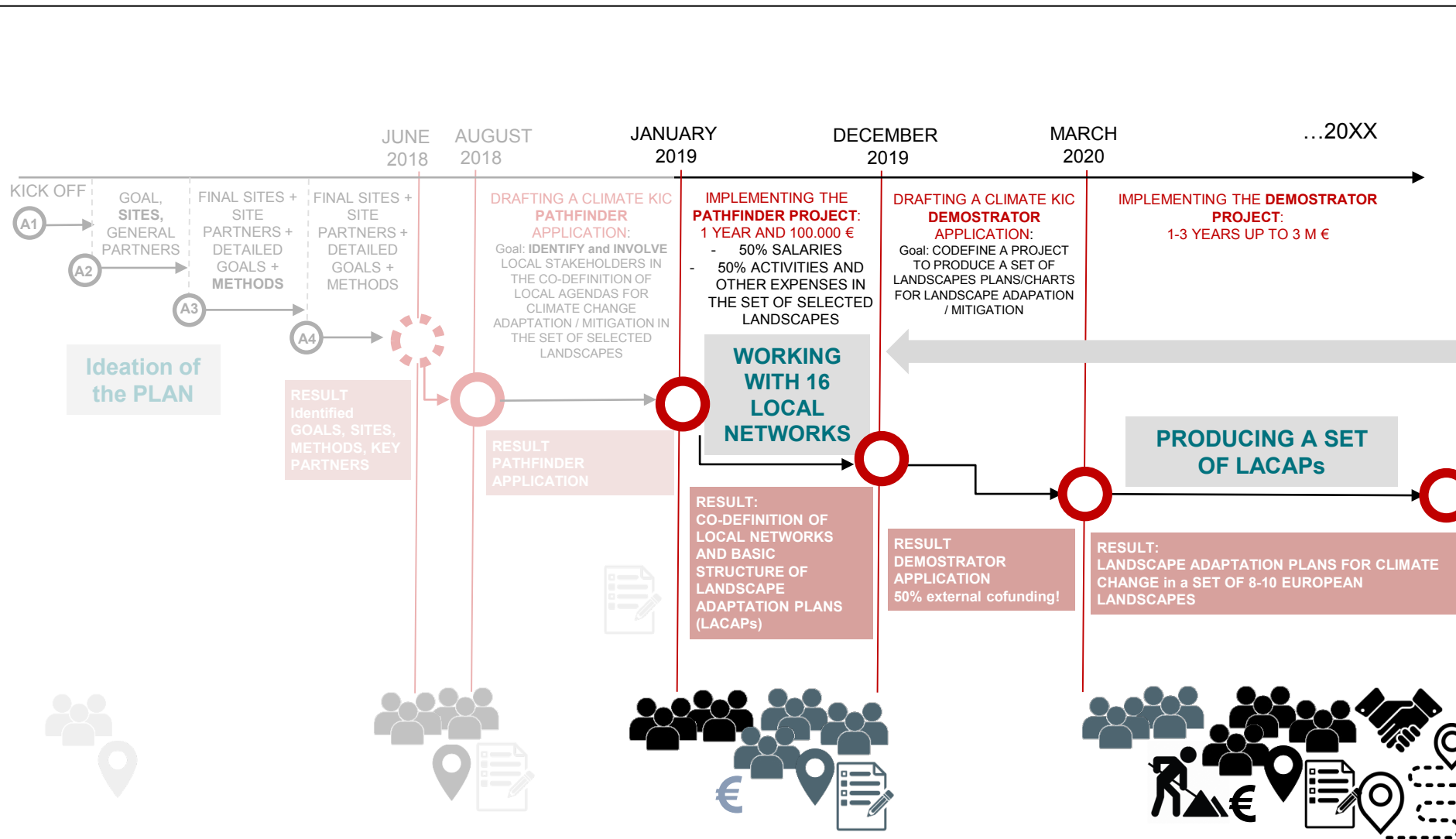


Climate-KIC

Climate-KIC is supported by the
EU, a body of the European Union

- http://exteriors.gencat.cat/ca/ambits-dactuacio/afers_exteriors/ue/fons_europeus/detalls/noticia/20191031_pr-alt-pirineu
 - <https://www.europapress.es/epagro/noticia-cambio-climatico-parc-alt-pirineu-participa-plan-europeo-contra-efectos-cambio-climatico-20191030131934.html>
 - https://www.ara.cat/societat/parc-natural-alt-pirineu-laboratori-crisi-climatica-europa-analisi-impacte-adaptacio_0_2334966650.html
 - SERRES D'ANCOSA:
 - <http://infoania.cat/serra-dancosa-paisatges-europeus-escolits-estudiar-efectes-canvi-climatic/>
- #### SOUTH-EASTERN EUROPE REGION
- GENERAL:
 - CONFERENCES:
 - “La gestione del territorio rurale tra opportunità e rischi: ecological networks e impatti ambientali” Napoli – Portici – Eboli JUNE 13TH-14TH 2019: <https://www.risorsele.it/>
 - <http://www.risorsele.it/interviste/>
 - Round Table “Smart City, Green City: experience from smart and green cities” inside the “Flormart Future Village”, September 27th, Padova <https://flormart.it/it-IT/flormart-future-village>;
 - <https://www.venetoeconomia.it/2019/09/innovation-stories-citta-green/>
 - “Il paesaggio al centro” Naples, October 10th 11th 2019 <http://www.diar.unina.it/index.php/20-in-evidenza/2322-convegno-internazionale-il-paesaggio-al-centro>
 - <https://eventi.unibo.it/open-distal>
 - <http://www.distal.unibo.it/it/dipartimento/opendistal/2019/workshop-12019agricoltura-nell2019ambiente-che-cambia-una-risorsa-al-servizio-dell2019uomo>
 - http://www.distal.unibo.it/it/risorse/files/ws-climate-change_rev/at_download/file/WS%20Climate%20change_rev.pdf
 - URBAN FRINGE BOLOGNA:
 - <http://www.fondazioneinnovazioneurbana.it/urban-center-bologna-home-3/45-uncategorised/2005-progetto-aelcllic>
 - MANTOVA CITY CENTER:
 - http://www.iuav.it/DIPARTIMEN/CHISIAMO/eventi/2019/Cambiamenti-climatici-e-paesaggio_16-luglio-2019.pdf
 - http://www.iuav.it/DIPARTIMEN/CHISIAMO/eventi/2019/200_19-Cambiamenti-climatici-e-paesaggio_13-maggio-2019.pdf
 - <https://gazzettadimantova.gelocal.it/mantova/cronaca/2019/05/12/news/mantova-caso-pilota-in-europa-per-la-sfida-al-clima-che-cambia-1.31950530>
 - <https://giornaledimantova.it/attualita/cambiamenti-climatici-e-paesaggio-mantova-scelta-come-caso-pilota/>
 - CAROL PARK BUCHAREST:
 - <https://eurodite.eu/aclcllic-workshop-climate-change-bucharest/>
 - <https://www.facebook.com/364284033624270/posts/Join-the-aclcllic-workshop-on-climate-change-in-carol-park-bucharest-on-the-4th-o/2472013959517923/>
 - ETNA LANDSCAPES:
 - <http://www.inarchsicilia.com/eventi/19-07-2019-aclcllic-pathfinder/>
 - http://www.inarchsicilia.com/wordpress/wp-content/uploads/2019/07/AELCLIC_in-pillole_SICILIA_14.04.2019.pdf

Initial Intention: TOWARDS A CLIMATE-KIC DEMONSTRATOR?



Selection of Pilot Landscapes with local networks with the **administrative, social and economic** capacity to be engaged in the definition of the LACAP if the funding is granted

WP2 (NORTHERN EUROPE)

Aalto University



AELCLIC_PATHFINDER project MALMI DISTRICT CENTER (Helsinki)_Pilot Landscape



WHY?: This decision was based on the opportunities provided by this area to combine Climate Change Adaptation Strategies in **an existing urban area under renovation** (Malmi district center). In addition, this pilot site would support existing studies and public participation by adding Climate Change Adaptation into the discussion

WHAT?: The AELCLIC-Pathfinder will create a local network (Consortium) for the future development of a Landscape Adaptation Plan to Climate Change (LACAP). This network or Consortium will be integrated by local authorities, civil organizations, economic and management actors (e.g. public bodies in charge of the management of public areas and services; builders specialized in building sustainable renovation; planners, designers, developers and constructors in the new planned urban areas.) and academic/scientific institutions



AELCLIC_PATHFINDER project HYYPÄNJOKI CULTURAL LANDSCAPE_ Pilot Landscape



Climate-KIC

Climate-KIC is supported by the
EIT, a body of the European Union

WHY?: This decision was based on the exceptional cultural values of its landscape (Finnish Nationally Valuable Landscape and Finnish Candidate for the Landscape Award of the Council of Europe 2013), on its location in a highly sensitive area to Climate Change (Boreal region), on the existence of an active network of parties working in landscape conservation and on the deep connection between local economy and rural landscape

WHAT?: The AELCLIC-Pathfinder will create a local network (Consortium) for the future development of a Landscape Adaptation Plan to Climate Change (LACAP). This network or Consortium will be integrated by local authorities, civil organizations, economic actors (e.g. farmers, companies working with tourism, foresters, etc.) and academic/scientific institutions.



AELCLIC_project HYYPÄNJOKI CULTURAL LANDSCAPE _Pilot Landscape

WHY?: This decision was based on its location in the highly sensitive Boreal area, on its exceptional environmental and cultural values, on its transnational character and on the deep connection between local economy and natural landscape.

WHAT?: The AELCLIC-Pathfinder will create a local network (Consortium) for the future development of a Landscape Adaptation Plan to Climate Change (LACAP). This network or Consortium will be integrated by local authorities, civil organizations, economic actors (e.g. companies working with tourism, fishing, forestry, etc.) and academic/scientific institutions.



AELCLIC_project
TORNIO RIVER_Pilot Landscape

WORKSHOP1 (3,5 HOURS): CREATING LOCAL NETWORKS + DEFINING WORK-PLANS

MALMI DISTRICT_workshop1_12.6.2019



HYYPÄ RIVER VALLEY_workshop1_26.4.2019



TORNIO RIVER VALLEY_workshop1_10.5.2019



WORKSHOP1 (3,5 HOURS): CREATING LOCAL NETWORKS + DEFINING WORK-PLANS

MALMI DISTRICT (13+2 PARTICIPANTS)_urban

NAME OF CONTACT	INSTITUTION	SECTOR
Antti Mentula	City of Helsinki (Urban Environment Division)	LOCAL/REGIONAL ADMINISTRATION
Satu Tarula	City of Helsinki (Urban Environment Division)	LOCAL/REGIONAL ADMINISTRATION
Laura Yrjänä	City of Helsinki (Urban Environment Division)	LOCAL/REGIONAL ADMINISTRATION
Tiia Naskali	The Finnish Association of Landscape Industries	ECONOMY SECTOR
Miimu Airaksinen	Finnish Association for Civil Engineers, RIL	ECONOMY SECTOR
Sirpa Lamminluoto	Malmi Nova shopping centre	ECONOMY SECTOR
Joel Huotilainen	REDITO Property Investor, Malmintori	ECONOMY SECTOR
Merja Carlander	Helsingin yrittäjät, Pohjois-Helsinki ry / Entrepreneurs of Helsinki	ECONOMY SECTOR
Maria Laurila	Malmi association	SOCIETAL GROUP
Andrea Botero	Ninho kulttuurikeskus ry	SOCIETAL GROUP
Joonas Viita	neighbour	SOCIETAL GROUP
Sari Möttönen	neighbour	SOCIETAL GROUP
Hanna Maidell	neighbour	SOCIETAL GROUP

VISION OLD MALMI DISTRICT
(under development)

AELCLIC PILOT
HELSINKI

HELSINKI CLIMATE
CHANGE ADAPTATION &
MITIGATION
PROGRAMME
+ CARBON NEUTRAL
HELSINKI 2035

HYYPÄ RIVER VALLEY (12+2 PARTICIPANTS)_rural + protected

PARTICIPANT	INSTITUTION	SECTOR
Linda Leinonen	Kauhajoki town	LOCAL/REGIONAL AUTHORITY
Harri Virtanen	Kauhajoki town	LOCAL/REGIONAL AUTHORITY
Marketta Nummijärvi	ELY/South-Bothnia, Seinäjoki	LOCAL/REGIONAL AUTHORITY
Leena Rinkineva-Kantola	ELY/South-Bothnia	LOCAL/REGIONAL AUTHORITY
Juhani Hallasmaa	ELY/South-Bothnia	LOCAL/REGIONAL AUTHORITY
Timo Lakso	Regional Council of South Ostrobothnia	LOCAL/REGIONAL AUTHORITY
Niina Tuovinen	Suupohjan peruspalveluliikelaitoskuntayhtymä	PUBLIC SECTOR
Anna Tall	Seinäjoen kaupunki/AMK	RESEARCH
Sulevi Riukulehto	Ruralia-instituutti	RESEARCH
Riikka Asunmaa	Pro Agria	ECONOMY SECTOR
Asko Ojala	Hyypä village society	SOCIETAL ORGANIZATION + FARMERS
Mikko Rotola-Pukkila	Hyypä valley conservation board	SOCIETAL ORGANIZATION + FARMERS

- HYYPÄNJOKI CULTURAL LANDSCAPE
CONSERVATION & MANAGEMENT PLAN

- KAUAJOKI – CITY STRATEGY

AELCLIC_PILOT_HYYPÄNJOKI

TORNIO RIVER VALLEY (12+2 PARTICIPANTS)_natural-rural

NAME OF CONTACT	INSTITUTION	SECTOR
Sampo Kangastalo	Tornio City	REGIONAL/LOCAL ADMINISTRATION
Anu Rautiala	Tornio City	REGIONAL/LOCAL ADMINISTRATION
Aapo Mäenpää	Tornio City	REGIONAL/LOCAL ADMINISTRATION
Göran Wigren	Haparanda City	REGIONAL/LOCAL ADMINISTRATION
Tiina Elo	Lapin Liitto	REGIONAL/LOCAL ADMINISTRATION
Riikka Pyykkö	The Museum of Tornio Valley	PUBLIC BODY
Virve Sallisalmi	Tranboundary river comission	PUBLIC BODY
Marika Saranne	Lapin ammattikorkeakoulu	RESEARCH
Anne-Mari Söderström	MTK	ECONOMY SECTOR
Petri Leinonen	Farmer	ECONOMY SECTOR
Martti Isto	Farmer	ECONOMY SECTOR
Markku Vaaraniemi	Fishers	ECONOMY SECTOR

TORNIO- (FI) – VISION 2027

HAAPARANTA (SE) –PLAN/STRATEGY

TORNIO-HAPARANDA-VISION 2027

AELCLIC
PILOT_
TORNIO
RIVER

TORNIO TOURISM MASTERPLAN

TORNIO CITY STRATEGY 2017-2021

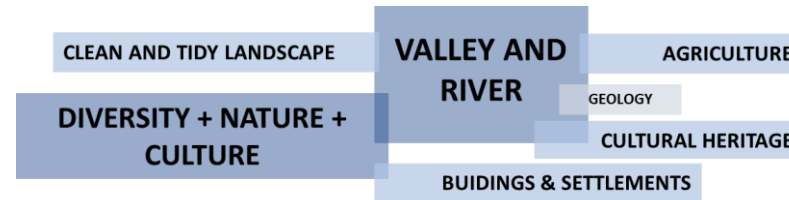
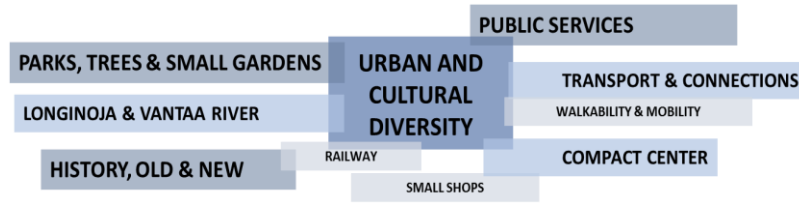
WORKSHOP1 (3,5 HOURS): CREATING LOCAL NETWORKS + DEFINING WORK-PLANS

MALMI DISTRICT (13+2 PARTICIPANTS)_urban

HYYPÄ RIVER VALLEY (12+2 PARTICIPANTS)_rural + protected

TORNIO RIVER VALLEY (12+2 PARTICIPANTS)_natural-rural

WHAT ARE THE MAIN VALUES OF THIS PILOT LANDSCAPE?



WHAT IS IMPORTANT IN THIS PILOT LANDSCAPE FOR YOU OR FOR THE SECTOR/COMMUNITY YOU ARE REPRESENTING



WHAT DO YOU KNOW ABOUT CLIMATE CHANGE?



WORKSHOP1 (3,5 HOURS): CREATING LOCAL NETWORKS + DEFINING WORK-PLANS

MALMI DISTRICT (13+2 PARTICIPANTS)_urban

HYYPÄ RIVER VALLEY (12+2 PARTICIPANTS)_rural + protected

TORNIO RIVER VALLEY (12+2 PARTICIPANTS)_natural-rural

HOW CAN CLIMATE CHANGE AFFECT THIS PILOT LANDSCAPE AND YOUR DAILY LIFE?



HOW DO YOU THINK THAT THE AELCLIC PROJECT CAN CONTRIBUTE TO THE EXISTING PLANS FOR THIS PILOT LANDSCAPE?



LOCAL STAKEHOLDERS IN THE AELCLIC WEBPAGE? (after receiving their permission)

INSTITUTION	TYPE OF STAKEHOLDER	email	NAME OF CONTACT
City of Helsinki / Urban Environment Division	LOCAL/REGIONAL ADMINISTRATION	antti.mentula@hel.fi	Antti Mentula
City of Helsinki / Urban Environment Division	LOCAL/REGIONAL ADMINISTRATION	satu.tarula@hel.fi	Satu Tarula
City of Helsinki / Urban Environment Division	LOCAL/REGIONAL ADMINISTRATION	laura.yrjana@hel.fi	Laura Yrjänä
Suomen Rakennusinsinöörien Liitto RIL	PRIVATE SECTOR	miimu.airaksinen@ril.fi	Miimu Airaksinen
Pohjois-Helsingin yrittäjät/Entrepreneur	PRIVATE SECTOR	merja@merjacarlander.fi	Merja Carländr
Viherympäristöliitto ry / The Finnish Association of Landscape Industries	PRIVATE SECTOR	sauli.rouhinen@gmail.com	Sauli Rouhinen
Malmi-seura	SOCIETAL GROUP	laurila.m@gmail.com	Maria Laurila
Ninho kulttuurikeskus ry	SOCIETAL GROUP	info@ninho.fi	Andrea Botero
Neighbor	SOCIETAL GROUP	hannamaidell@gmail.com	Hanna Maidell

INSTITUTION	LOGO in WEB_AELCLIC	CONTACT	Email CONTACT in web
Kauhajoki Town	YES		
ELY/South-Bothia, Seinäjoki	YES	Marketta Nummijärvi	marketta.nummijarvi@ely-keskus.fi
Regional Council of South Ostrobothnia	YES	Timo Lakso	timo.lakso@etela-pohjanmaanliitto.fi
Suupohjan peruspalveluliikelaitoskuntayhtymä	YES	Niina Tuovinen	niina.tuovinen@ilky
Ruralia-instituutti	YES	Sulevi Riukulehto	sulevi.riukulehto@helsinki.fi
Paikallinen asukas-	NO	Asko Ojala	asko.ojala@ssvnet.fi
Paikallinen asukas-maisemhoitokunta	NO	Mikko Rotola-Pukkila	mikko@timantti.com
Seinäjoen museot	YES	Susanna Tyrvainen	susanna.tyrvainen@seinajoki.fi
Pro-agria	YES	Riikka Asunmaa	riikka.asunmaa@maajakotitalousnaiset.fi

INSTITUTION	NAME OF CONTACT	email
Tornio City	Sampo Kangastalo	sampo.kangastalo@tornio.fi
Haparanda Stad	Göran Wigren	goran.wigren@haparanda.se
Lapin Liitto	Tiina Elo	Tiina.Elo@lapinliitto.fi
The Museum of Tornio Valley	Riikka Pykkö	riikka.pykko@tornio.fi
Tranboundary river comission	Virve Sallisalmi	virve.sallisalmi@fsgk.se
Lapin ammattikorkeakoulu	Marika Saranne	marika.saranne@lapinamk.fi
MTK	Anne-Mari Söderström	sammalhoivi@sammalhoivi.fi
Farmer	Petri Leinonen	petri.leinonen@elomestari.fi

WORKSHOP2 (3,5 HOURS): CO-IDENTIFYING CLIMATE CHANGE IMPACTS & OPPORTUNITIES

1. RESULTS OF THE WORKSHOP1 (+ short introduction to the AELCLIC project for the new stakeholders)
2. CLIMATE CHANGE EFFECTS IN EUROPE, FINLAND AND THE PILOT LANDSCAPE
- 3. TEAMWORK (IN MULTISTAKEHOLDER TEAMS)**
 - **CO-DEFINITION OF KEY-TOPICS FOR CLIMATE CHANGE ADAPTATION IN THE PILOT LANDSCAPE?**
 - **CO-IDENTIFICATION OF CLIMATE CHANGE IMPACTS AND OPPORTUNITIES FOR THE SELECTED TOPICS**
 - **CO-DESIGN OF CLIMATE CHANGE TRANSITIONS (FOR THE SELECTED TOPICS AND IN RESPONSE TO THE IDENTIFIED BARRIERS/OPPORTUNITIES)?**

WORKSHOP2 (3,5 HOURS): CO-IDENTIFYING CLIMATE CHANGE IMPACTS & OPPORTUNITIES

MALMI DISTRICT_workshop2_12.6.2019



HYYPÄ RIVER VALLEY_workshop2_14.6.2019



TORNIO RIVER VALLEY_workshop2_30.9.2019



WORKSHOP2 (3,5 HOURS): CO-IDENTIFYING CLIMATE CHANGE IMPACTS & OPPORTUNITIES

MALMI DISTRICT (12+2 PARTICIPANTS)

NAME OF CONTACT	INSTITUTION	TYPE OF STAKEHOLDER
Susanna Kankaanpää	Urban Environment Division	LOCAL/REGIONAL ADMINISTRATION
Satu Tarula	Urban Environment Division	LOCAL/REGIONAL ADMINISTRATION
Kirsi Rantama	Urban Environment Division	LOCAL/REGIONAL ADMINISTRATION
Niina Kylliäinen	HSY	LOCAL/REGIONAL ADMINISTRATION
Hossam Hewidy	Aalto_Department of Architecture	RESEARCH
Sauli Rouhinen	Viherympäristöliitto	PRIVATE SECTOR
Sirpa Lamminluoto	Malmi Nova shopping centre/Entrepreneur	PRIVATE SECTOR
Jarmo Pulkainen	REDITO Property Investors Oy / Malmintorin kiinteistö- osakeyhtiö	PRIVATE SECTOR
Merja Carlander	Pohjois-Helsingin yrittäjät/Entrepreneur	PRIVATE SECTOR
Maria Laurila	Malmi-seura	SOCIETAL GROUP
Hanna Maidell	inhabitant	SOCIETAL GROUP
Sari Möttönen	inhabitant	SOCIETAL GROUP

VISION OLD MALMI DISTRICT
(under development)

AELCLIC PILOT
HELSINKI

HELSINKI_CLIMATE
CHANGE ADAPTATION &
MITIGATION
PROGRAMME
+ CARBON NEUTRAL
HELSINKI 2035

HYYPÄ RIVER VALLEY (14+2 PARTICIPANTS)

NAME OF CONTACT	INSTITUTION	TYPE OF STAKEHOLDER
Timo Lakso	Etelä-Pohjanmaan liitto	LOCAL/REGIONAL AUTHORITY
Niina Tuovinen	Suupohjan perus-palveluliikelaitoskuntayhtymä	PUBLIC SECTOR
Susanna Tyrväinen	Seinäjoen museot	PUBLIC SECTOR
Jeremias Laitamäki	Kauhajoki Youth Council	SOCIETAL ORGANIZATION
Merja Rikala	Luonnonsuojelupiiri	SOCIETAL ORGANIZATION
Neea Leppälä	4H	SOCIETAL ORGANIZATION
Asko Ojala	Farmer, Hyypä village society	PRIVATE SECTOR / SOCIETAL ORGANIZATION
Mikko Rotola-Pukkila	Farmer, Hyypä valley conservation board	PRIVATE SECTOR / SOCIETAL ORGANIZATION
Matti Seppälä	farmer - coming to workshop	PRIVATE SECTOR / SOCIETAL ORGANIZATION
Jussi Parviainen	Metsänhoitoyhdistys LAKEUS	PRIVATE SECTOR
Laura Koivumäki	Geopark	PRIVATE SECTOR
Yrjö Ojaniemi	MTK	PRIVATE SECTOR
Riikka Asunmaa	Pro Agria	PRIVATE SECTOR
Erkki Vihonen	Pro Agria	PRIVATE SECTOR

- HYYPÄNJOKI CULTURAL LANDSCAPE
CONSERVATION & MANAGEMENT PLAN

- KAUAJOKI – CITY STRATEGY

AELCLIC_PILOT_HYYPÄNJOKI

TORNIO RIVER VALLEY (20+2 PARTICIPANTS)

NAME OF CONTACT	INSTITUTION	TYPE
Sampo Kangasalo	Tornio City	REGIONAL/LOCAL ADMINISTRATION
Markus Kannala	Tornio City	REGIONAL/LOCAL ADMINISTRATION
Minna Karhunen	Tornio City	REGIONAL/LOCAL ADMINISTRATION
Jarmo Lokio	Tornio City	REGIONAL/LOCAL ADMINISTRATION
Aapo Mäenpää	Tornio City	REGIONAL/LOCAL ADMINISTRATION
Timo Nouslainen	Tornio City	REGIONAL/LOCAL ADMINISTRATION
Birgitta Tamminen	Tornio City	REGIONAL/LOCAL ADMINISTRATION
Anu Rautiala	Tornio City	REGIONAL/LOCAL ADMINISTRATION
Göran Wigren	Haparanda City	REGIONAL/LOCAL ADMINISTRATION
Jimmy Henriksson	Haparanda City	REGIONAL/LOCAL ADMINISTRATION
Sofia Rosendahl	Haparanda City	REGIONAL/LOCAL ADMINISTRATION
Robert Ekholm	Haparanda City	REGIONAL/LOCAL ADMINISTRATION
Stina Almkvist	Region Norrbotten	REGIONAL/LOCAL ADMINISTRATION
Niina Karjalainen	ELY-centre	REGIONAL/LOCAL ADMINISTRATION
Tiina Elo	Lapin Liitto	REGIONAL/LOCAL ADMINISTRATION
Tuula Ajanki	Tornionlaakson neuvosto	REGIONAL/LOCAL ADMINISTRATION
Minna Hejala	The Museum of Tornio Valley	PUBLIC BODY
Riikka Pyykkö	The Museum of Tornio Valley	PUBLIC BODY
Teija Yli-Martimo	The Museum of Tornio Valley	PUBLIC BODY
Virve Saikkala	Transboundary river comision	PUBLIC BODY
Tero Mustonen	Lumi, IPCC	RESEARCH
Marika Saranne	Lapin ammattikorkeakoulu	RESEARCH
Sanna Tyni	Lapin ammattikorkeakoulu	RESEARCH
Anne Anttila	Outokaira	ECONOMY SECTOR
Anne-Mari Söderström	MTK	ECONOMY SECTOR
Petri Leinonen	Farmer	ECONOMY SECTOR
Martti Isto	Farmer	ECONOMY SECTOR
Johannes Mäkitavola	Farmer	ECONOMY SECTOR
Markku Vaaranemi	Fishers	ECONOMY SECTOR
Pekka Peltari	Fishers/Tornio City	ECONOMY SECTOR
Jarno Niskala	Pro Siika	SOCIETAL GROUP/CIVIL ORGANIZATION
Elja Tervahauta	Village- / city district associations	SOCIETAL GROUP/CIVIL ORGANIZATION
Anu Davidila	4H	SOCIETAL GROUP/CIVIL ORGANIZATION

TORNIO- (FI) – VISION 2027

HAAPARANTA (SE) – PLAN/STRATEGY

TORNIO-HAPARANDA-VISION 2027

AELCLIC
PILOT_
TORNIO
RIVER

TORNIO TOURISM MASTERPLAN

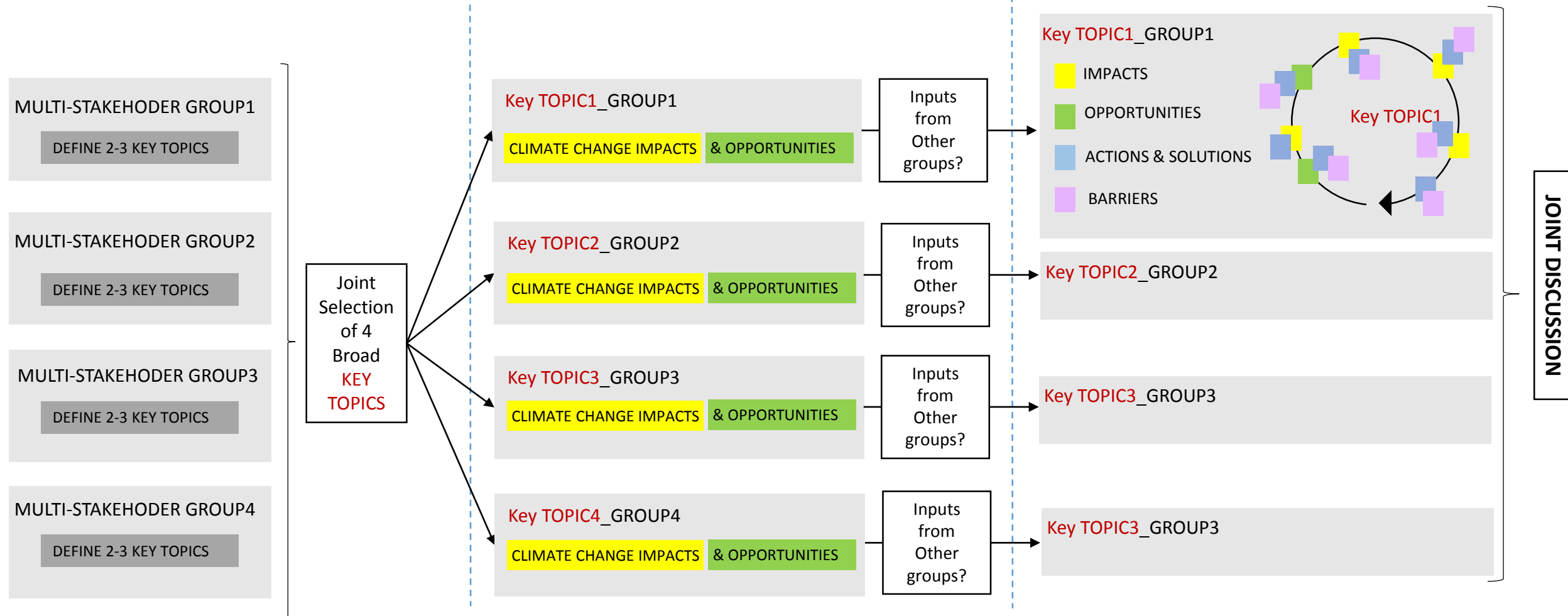
TORNIO CITY STRATEGY 2017-2021

WORKSHOP2 (3,5 HOURS): CO-IDENTIFYING CLIMATE CHANGE IMPACTS & OPPORTUNITIES

TASK 1 / TEHTÄVÄ 1, 10 min + 10 min.:
Co-definition of key-topics for the Pilot Landscape

TASK 2 / TEHTÄVÄ 2, 15 min + 15 min:
Co-identification of Climate Change impacts and opportunities for the selected topics

TASK 3 / TEHTÄVÄ 3, 45 min + 15 min :
CO-DESIGN of Climate Change Transitions (for the selected topics and in response to the identified impacts and opportunities)



WORKSHOP2 (3,5 HOURS): CO-IDENTIFYING CLIMATE CHANGE IMPACTS & OPPORTUNITIES

MALMI DISTRICT (12+2 PARTICIPANTS)

Join selection of THREE broad key topics:

TOPIC 1: BUILT AND NATURAL ENVIRONMENT

TOPIC 2: SOCIO-CULTURAL ENVIRONMENT, WELLBEING, WAYS OF LIVING AND IDENTITY

TOPIC 3: SMART MOBILITY AND LOCAL ECONOMY

HYYPÄ RIVER VALLEY (14+2 PARTICIPANTS)

Join selection of FOUR broad key topics:

TOPIC 1: AGRICULTURE AND FORESTRY & NATURAL ENVIRONMENT

TOPIC 2: PLANNING, BUILT ENVIRONMENT & INFRASTRUCTURES

TOPIC 3: ENERGY, PEOPLE & WAYS OF LIVING

TOPIC 4: NEW ECONOMIES? INDUSTRY AND SERVICE SECTOR

TORNIO RIVER VALLEY (20+2 PARTICIPANTS)

Join selection of FOUR broad key topics:

TOPIC 1: ENVIRONMENT, NATURE & BIODIVERSITY

TOPIC 2: WATER SYSTEMS

TOPIC 3: CULTURAL ENVIRONMENT & WAYS OF LIVING

TOPIC 4: SUSTAINABLE ECONOMY

TOPIC 1: BUILT AND NATURAL ENVIRONMENT

IMPACTS:

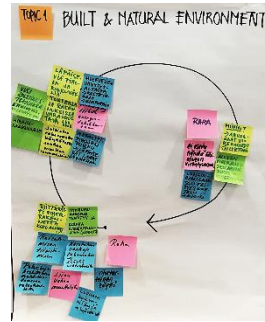


OPPORTUNITIES

BUILDINGS

- SOLUTIONS:**
- DENSIFICATION
 - CENTRALIZATION OF SERVICES
 - RAISING OLD BUILDINGS
 - GREEN AREA FACTOR
 - NATURAL MEADOWS
 - DEPAVE AREAS
 - LONGINOJA VALLEY

- BARRIERS:**
- MONEY & RESOURCES
 - INCREASE OF POPULATION
 - TOO MUCH EMPHASIS IN ENERGY EFFICIENCY
 - LOW USE OF NEARBY AREAS



IMPACTS:



OPPORTUNITIES

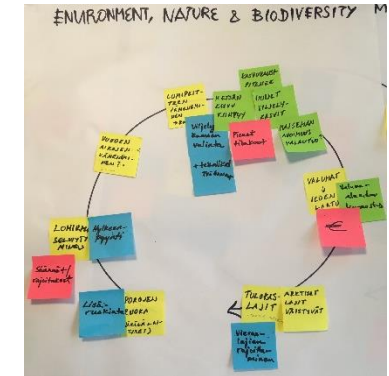


- SOLUTIONS:**
- RESTORING/FAVORING NATURAL ENVIRONMENTS
 - CARBON SEQUESTRATION THROUGH AGRICULTURE & FORESTS
 - AGRICULTURAL TECHNIQUES (DRAINAGE, SOIL MANAGEMENT, CROP ROTATION, MEADOWS)
 - ORGANIC FARMING
 - MIXED FORESTS
 - MORE INFORMATION

- BARRIERS:**
- MONEY & RESOURCES
 - LACK OF INFORMATION
 - LACK OF UNDERSTANDING OF THE CARBON CYCLE AND WHAT CARBON NEUTRALITY MEANS



TOPIC 1: ENVIRONMENT, NATURE & BIODIVERSITY



TOPIC 2: SOCIO-CULTURAL ENVIRONMENT, WELLBEING, WAYS OF LIVING & IDENTITY

IMPACTS:



OPPORTUNITIES

NEW WAYS OF LIVING

- SOLUTIONS:**
- CLIMATE-CHANGE FRIENDLY DESIGN OF THE PUBLIC SPACE
 - LIGHTING
 - NO DANGEROUS AREAS
 - FLEXIBLE & VERSATILE SPACES
 - HYBRID BUILDINGS: "Forum", "Think Corner" for all

- BARRIERS:**
- PROPERTY OWNERSHIP AND MAINTENANCE
 - FRAGMENTATION OF OWNERSHIP (FRAGMENTATION)
 - ANONYMOUS PUBLIC SPACE
 - MONEY



TOPIC 2: PLANNING, BUILT ENVIRONMENT & INFRASTRUCTURES

IMPACTS:



OPPORTUNITIES



- SOLUTIONS:**
- CONSTRUCTION REGULATIONS
 - AGRICULTURAL PRACTICES & PLANS
 - STRATEGY FOR THE NATURAL ENVIRONMENT
 - TECHNICAL AND DIGITAL DEVELOPMENT

- BARRIERS:**
- MONEY & RESOURCES
 - ATTITUDES



TOPIC 2: WATER SYSTEMS



WORKSHOP2 (3,5 HOURS): CO-IDENTIFYING CLIMATE CHANGE IMPACTS & OPPORTUNITIES

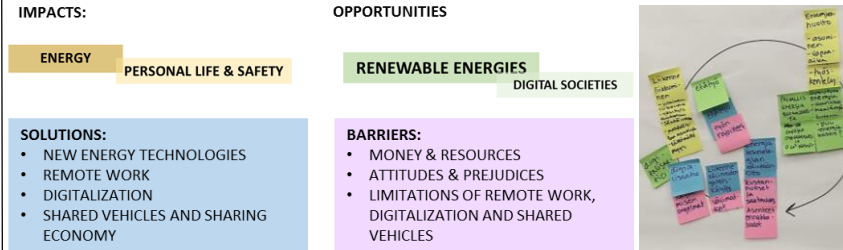
MALMI DISTRICT (12+2 PARTICIPANTS)

TOPIC 3: SMART MOBILITY AND LOCAL ECONOMY



HYYPÄ RIVER VALLEY (14+2 PARTICIPANTS)

TOPIC 3: ENERGY, PEOPLE & WAYS OF LIVING

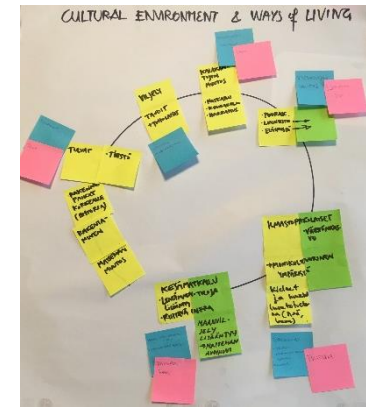


TOPIC 4: NEW ECONOMIES? INDUSTRY AND SERVICE SECTOR



TORNIO RIVER VALLEY (20+2 PARTICIPANTS)

TOPIC 3: CULTURAL ENVIRONMENT & WAYS OF LIVING



TOPIC 4: SUSTAINABLE ECONOMY



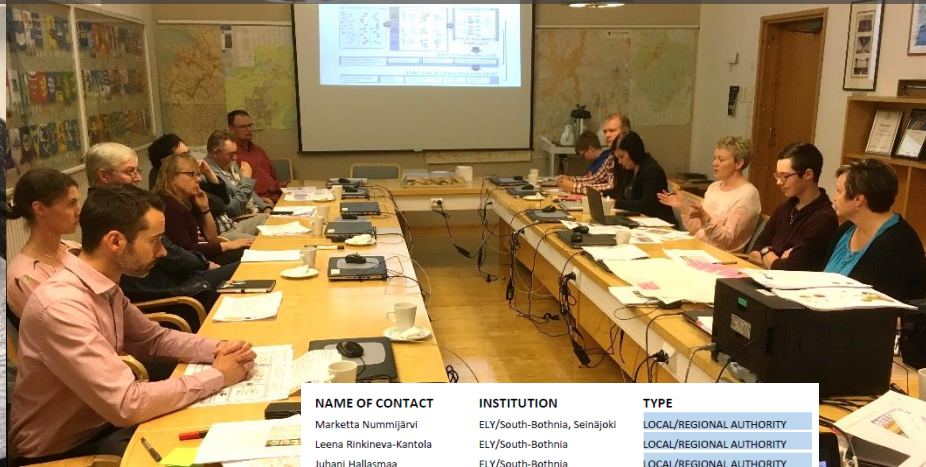
WORKSHOP3 (3,5 HOURS): RE-DEFINING KEY CONTENTS OF A FUTURE LACAP + DECIDING NEXT STEPS

MALMI DISTRICT_workshop3_29.8.2019



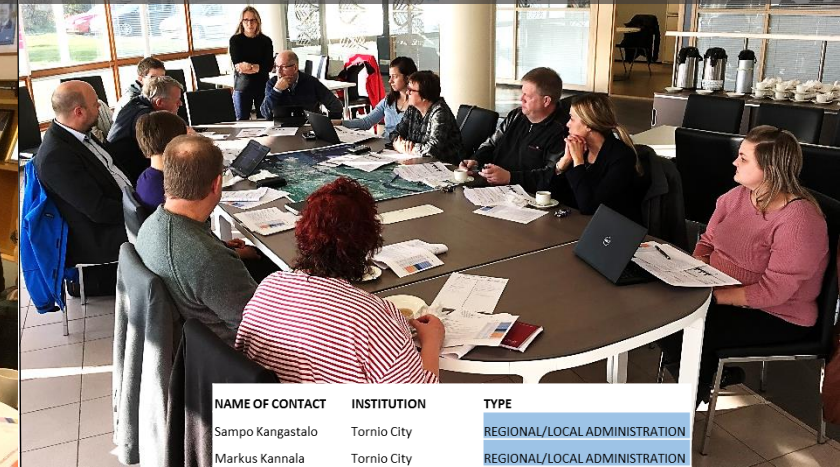
NAME OF CONTACT	INSTITUTION	TYPE OF STAKEHOLDER
Susanna Kankaanpää	Urban Environment Division	LOCAL/REGIONAL ADMINISTRATION
Antti Mentula	Urban Environment Division	LOCAL/REGIONAL ADMINISTRATION
Satu Tarula	Urban Environment Division	LOCAL/REGIONAL ADMINISTRATION
Niina Kylläinen	HSY	LOCAL/REGIONAL ADMINISTRATION
Tiina Anttila-Lehtonen	Urban Environment Division	LOCAL/REGIONAL ADMINISTRATION
Hossam Hewidy	Aalto Department of Architecture	RESEARCH
Sauli Rouhinen	Viherympäristöliitto	PRIVATE SECTOR
Miimu Airaksinen	Suomen Rakennusinsinöörien Liitto RIL	PRIVATE SECTOR
Sirpa Lamminluoto	Malmi Nova shopping centre/Entrepreneur	PRIVATE SECTOR
Merja Carlandr	Pohjois-Helsingin yrittäjät/Entrepreneur	PRIVATE SECTOR
Maria Laurila	Malmi-seura	SOCIETAL GROUP
Hanna Maidell	Local resident	SOCIETAL GROUP

HYPPA RIVER VALLEY_workshop3_6.9.2019



NAME OF CONTACT	INSTITUTION	TYPE
Marketta Nummijärvi	ELY/South-Bothnia, Seinäjoki	LOCAL/REGIONAL AUTHORITY
Leena Rinkineva-Kantola	ELY/South-Bothnia	LOCAL/REGIONAL AUTHORITY
Juhani Hallasmaa	ELY/South-Bothnia	LOCAL/REGIONAL AUTHORITY
Linda Leinonen	Major Kahajoki town	LOCAL/REGIONAL AUTHORITY
Harri Virtanen	Kauhajoki town	LOCAL/REGIONAL AUTHORITY
Tuomo Varsamäki	Kauhajoki town	LOCAL/REGIONAL AUTHORITY
Timo Lakso	Etelä-Pohjanmaan liitto	LOCAL/REGIONAL AUTHORITY
Niina Tuovinen	Suupohjan peruspalveluliikelaitoskuntayhtymä	PUBLIC SECTOR
Susanna Tyrväinen	Seinäjoen museot	PUBLIC SECTOR
Sirkka-Liisa Sihvonen	Seinäjoen museot	PUBLIC SECTOR
Tuula Pelttonen	Metsähallitus	PUBLIC SECTOR
Sulevi Riukulehto	Ruralia-instituutti	RESEARCH
Anna Tall	Seinäjoen kaupunki/AMK	RESEARCH
Tapio Kurkikangas	Suomen metsäkeskus	RESEARCH
Janita Mäkelä	Kauhajoen nuorisovaltuusto	SOCIETAL ORGANIZATION
Julia Saarinen	Kauhajoki Youth Council	SOCIETAL ORGANIZATION
Jeremias Laitamäki	Kauhajoki Youth Council	SOCIETAL ORGANIZATION
Merja Rikala	Luonnonsuojelupiiri	SOCIETAL ORGANIZATION
Wilma Kleimola	4H	SOCIETAL ORGANIZATION
Neea Leppälä	4H	SOCIETAL ORGANIZATION
Riikka Asunmaa	Pro Agria	PRIVATE SECTOR
Sami Yli-Rahasto	MTK	PRIVATE SECTOR
Asko Ojala	Farmer, Hyppä village society	PRIVATE SECTOR / SOCIETAL ORGANIZATION
Mikko Rotola-Pukkila	Farmer, Hyppä valley conservation board	PRIVATE SECTOR / SOCIETAL ORGANIZATION
Matti Seppälä	farmer - coming to workshop	PRIVATE SECTOR / SOCIETAL ORGANIZATION
Jussi Parviainen	Metsähoitoyhdistys LAKEUS	PRIVATE SECTOR
Heidi Hongisto	Kauhajoen Krouvi	PRIVATE SECTOR
Toni Hongisto	Kauhajoen Krouvi	PRIVATE SECTOR
Laura Koivumäki	Geopark	PRIVATE SECTOR
Yrjö Ojaniemi	MTK	PRIVATE SECTOR
Erkki Vihonen	Pro Agria	PRIVATE SECTOR

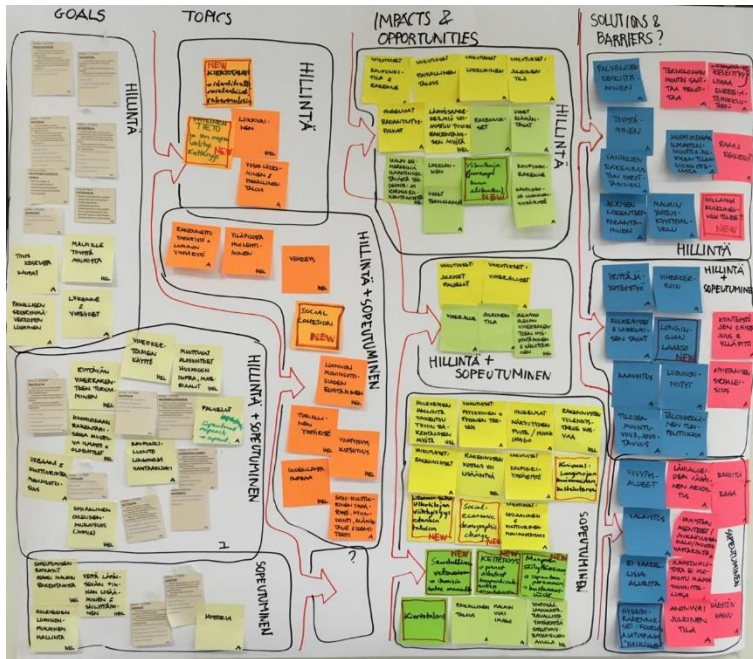
TORNIO RIVER VALLEY_workshop3_8.10.2019



NAME OF CONTACT	INSTITUTION	TYPE
Sampo Kangastalo	Tornio City	REGIONAL/LOCAL ADMINISTRATION
Markus Kannala	Tornio City	REGIONAL/LOCAL ADMINISTRATION
Aapo Mäenpää	Tornio City	REGIONAL/LOCAL ADMINISTRATION
Birgitta Tamminen	Tornio City	REGIONAL/LOCAL ADMINISTRATION
Katarina Huikari	Tornio City	REGIONAL/LOCAL ADMINISTRATION
Sofia Rosendahl	Haparanda City	REGIONAL/LOCAL ADMINISTRATION
Robert Ekholm	Haparanda City	REGIONAL/LOCAL ADMINISTRATION
Andreas Lind	Länsstyrelsen	REGIONAL/LOCAL ADMINISTRATION
Lizah Lund	Region Norrbotten	REGIONAL/LOCAL ADMINISTRATION
Niina Karjalainen	ELY-centre	REGIONAL/LOCAL ADMINISTRATION
Minna Heljala	The Museum of Tornio Valley	PUBLIC BODY
Teija Yli-Martimo	The Museum of Tornio Valley	PUBLIC BODY
Virve Sallismäki	Tranboundary river commission	PUBLIC BODY
Sanna Tyni	Lapin ammattikorkeakoulu	RESEARCH
Anne-Mari Söderström	MTK	ECONOMY SECTOR
Petri Leinonen	Farmer	ECONOMY SECTOR
Martti Isto	Farmer	ECONOMY SECTOR
Risto Leinonen	Fisher	ECONOMY SECTOR
Pekka Pelttari	Fishers/Tornio City	ECONOMY SECTOR
Anne Anttila	Outokaira	SOCIETAL ORG / ECONOMY SECTOR
Erica Mattson	Swedish Lapland Visitors Board	SOCIETAL ORG / ECONOMY SECTOR
Jouni Valikainen	Lounais_Lapli	media
Anna-Erika Heikkilä	Tornio city	communication

WORKSHOP3 (3,5 HOURS): RE-DEFINING KEY CONTENTS OF A FUTURE LACAP + DECIDING NEXT STEPS

MALMI DISTRICT_workshop3_29.8.2019



DECISION: to incorporate the results of the AELCLIC project in the Malmi Visio. the city of Helsinki will consider the possibility of leading a further funding application

LEAD INSTITUTION: CITY OF HELSINKI

HYPPA RIVER VALLEY_workshop3_6.9.2019



DECISION: To study potential funding applications to elaborate a LACAP or to advance in the developed works

LEAD INSTITUTION: TOWN of KAUHAJOKI

TORNIO RIVER VALLEY_workshop3_8.10.2019



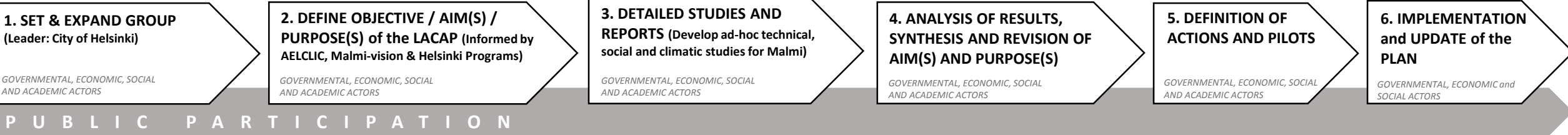
DECISION: To study potential funding applications to elaborate a LACAP or to advance in the developed works

LEAD INSTITUTION: TOWNS of TORNIO (Finland) AND HAPARANDA (Sweden)

PRELIMINARY CONTENTS, PROCESS & ACTORS OF A LANDSCAPE ADAPTATION PLAN FOR CLIMATE CHANGE (MALMI DISTRICT (HELSINKI))



NEXT STEPS: It is decided that the City of Helsinki will be the leader and official representative of the Malmi_AELCLIC-Network in future actions connected to the AELCLIC project (Climate-KIC) and that the City of Helsinki will study the different alternatives to advance in future funding applications connected to the Climate Change Adaptation of the District and its connection to other municipal plans or programmes. The Information produced in the AELCLIC_pathfinder project will be fully available to the Local Network lead by the City of Helsinki and to the general public



LOCAL AUTHORITY:

- AELCLIC WORKSHOPS: GOOD MATERIAL AND GROUNDWORK
- IS THIS (AELCLIC/LACAP) THE CONNECTION OR IS IT SOMETHING OTHER?
- CAN THE MATERIAL NOW PRODUCED BE COMBINED WITH SOMETHING ELSE?

FARMER: THE AUTHORITIES SHOULD TAKE THE LEADING ROLE
- THIS CONCERNS THE WHOLE KAUAJOKI (NOT ONLY THE HYYPÄ RIVER VALLEY)

LOCAL AUTHORITY:
YES, THIS CONCERNS THE WHOLE REGION (THERE IS A SEMILAR PROJECT IN PREPARATION)

MODERATOR:
REALLY? WHICH PROJECT?: WHERE? BY WHOM?

REGIONAL AUTHORITY:
THE REGIONAL COUNCIL OF SOUTHERN OSTROBOTHNIA WILL RENEW ITS ENERGY AND CLIMATE STRATEGY NEXT YEAR
THIS MATERIAL WILL HELP US TO INCLUDE THE EFFECTS OF CLIMATE CHANGE IN LAND USE PLANNING AT PROVINCIAL LEVEL

RESEARCHER & FARMERS:
- IT WOULD BE NECESSARY TO LISTEN TO GRASSROOTS IDEAS
- IF SOME PILOT ACTIONS ARE DEFINED THE FOCUS MUST BE ON THE PERSONS AND THE RESIDENTS

How do you want to continue and use the results of the AELCLIC project?

ECONOMIC ACTOR
THE SCHEDULE FEELS TOO FAST, WE NEED TIME TO DISCUSS AND THINK BEFORE MAKING A DECISION ABOUT HOW TO CONTINUE

REGIONAL AUTHORITY: THE WORKSHOPS AND THE RESULTS HAVE BEEN GOOD AND THEY CAN BE USED AS A BASIS FOR FURTHER REFLECTION
- WE HAVE IDENTIFIED DIFFERENT TOPICS/ISSUES CONCERNING CLIMATE CHANGE ADAPTATION
- WE NEED TO DISCUSS HOW TO CONTINUE: A LANDSCAPE ADAPTATION PLAN TO CLIMATE CHANGE (LACAP) IS ONE OPTION,, BUT IT NEEDS TO BE CONSIDERED WITH NO RUSH, WE NEED MORE INFORMATION ON WHAT IT MEANS, WHAT KIND OF FUNDING IT WOULD HAVE, WHAT WOULD BE ITS CONTENT AND END RESULTS
- THERE ARE OTHER ACTORS THAT MIGHT JOIN THE DISCUSSION: DO THE OSTROBOTHNIA REGIONAL COUNCIL OR RURALIA HAVE RESEARCH PROJECTS TO WHICH CLIMATE CHANGE ADAPTATION COULD BE LINKED? // THE ADVISORY BOARD OF THE HYYPÄ RIVER VALLEY MAY CONSIDER IF WE SHOULD UPDATE THE USAGE AND MAINTENANCE PLAN (RIIKKA ASUNMAA MASTER'S DEGREE? // MAYBE SOME OTHER ACTORS, LIKE THE FORESTRY ASSOCIATION, HAVE SOMETHING GOING ON?
- WE NEED TO HAVE OUR OWN DISCUSSION AND GET THE RESULTS (IN WELL-ORDERED PACKAGE)

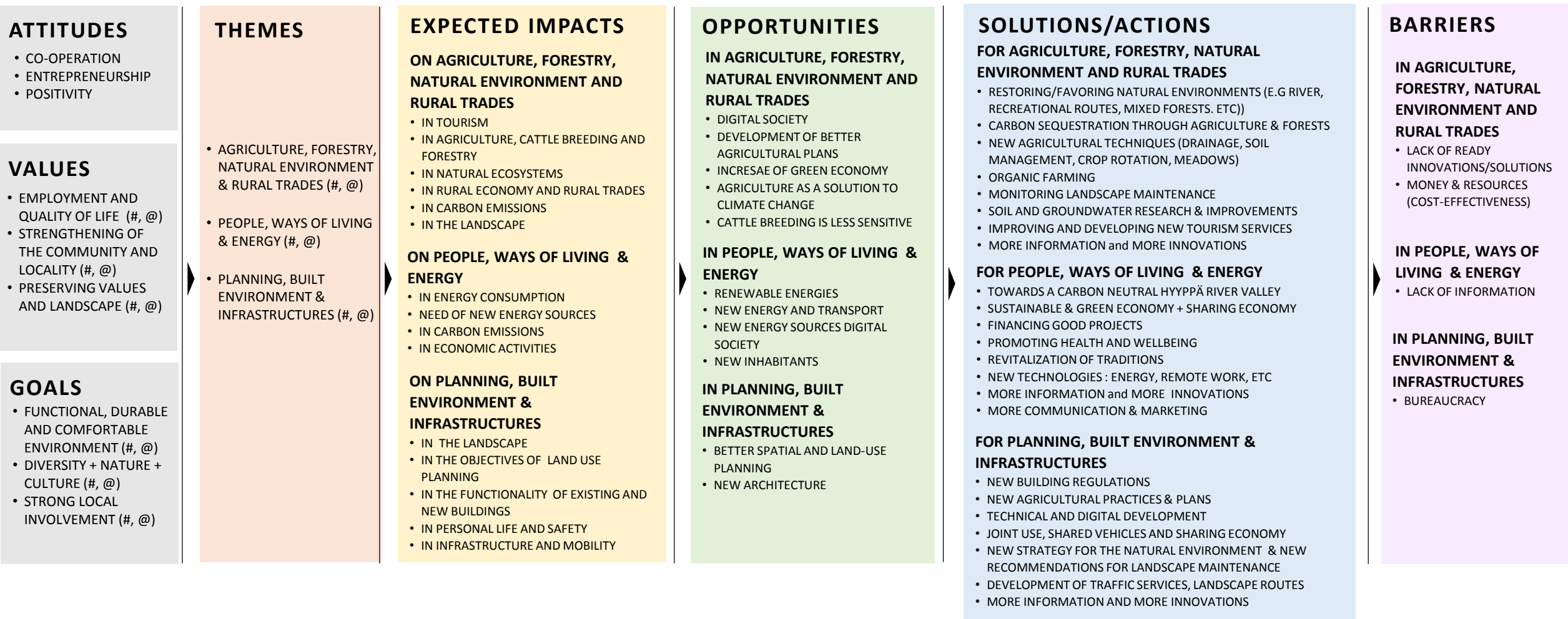
FARMER:
THIS WORK HAS CONNECTIONS TO ALL RURAL LANDSCAPES THROUGHOUT FINLAND
- THERE IS A NEED FOR MORE WORK AND "FLESH AROUND THE BONES":
- WE NEED SAFE AND RELIABLE LOCAL SOLUTIONS AND CONCRETE IDEAS FOR LOCAL RESIDENTS AND OTHERS

FARMER: I AGREE,
- I HAVE PARTICIPATED IN THE WORKSHOPS TO HIGHLIGHT THE ROLE OF FARMERS AND AGRICULTURE
- WOULD PRO AGRIA OR MTK CATCH THE BALL AND SPREAD THE INFORMATION TO OTHER FARMERS?
- NEED TO INFORM THE GENERAL PUBLIC THAT AGRICULTURE IS NOT ONLY A PROBLEM BUT CAN ALSO BE A SOLUTION
- I AM PLEASED WITH THE WORKSHOPS, WHICH HAVE PROCEEDED WITH CONSISTENCY AND CLARITY

CONCLUSIONS:

- THE HYYPÄ LOCAL NETWORK MIGHT DISCUSS IN THE FUTURE (WITH MORE TIME AND INFORMATION), HOW TO CONTINUE WORKING ON CLIMATE CHANGE ADAPTATION
- ALL THE MATERIALS PRODUCED IN THE AELCLIC WORKSHOPS ARE PUBLIC AND FULLY AVAILABLE FOR THE USE OF HYYPÄ LOCAL NETWORK
- THE HYYPÄ LOCAL NETWORK DESIGNATES THE CITY OF KAUAJOKI TO LEAD & REPRESENT THE NETWORK IN FUTURE ACTIONS WITHIN THE AELCLIC (CLIMATE_KIC) PROJECT AND MARKETTA NUMMIJÄRVI TO BE ITS CONTACT PERSON .
- MARKETTA WILL BE INVITED TO THE INTERNATIONAL MEETING THAT WILL TAKE PLACE ON THE 13TH OF NOVEMBER IN BOLOGNA IN WHICH ALL THE REPRESENTATIVES OF THE AELCLIC PILOT LANDSCAPES WILL EXPLORE DIFFERENT OPTIONS TO CONTINUE WORKING ON CLIMATE CHANGE ADAPTATION (ONE OF THAT OPTIONS MIGHT BE TO DEVELOP A LACAP (WITH CLIMATE KIC FUNDING OR WITH OTHER SOURCES OF FUNDING

PRELIMINARY CONTENTS for a potential LANDSCAPE ADAPTATION PLAN FOR CLIMATE CHANGE in the Hyypä River Valley (#=adaptation; @=mitigation)



NEXT STEPS:

- THE HYYPÄ LOCAL NETWORK MIGHT DISCUSS IN THE FUTURE (WITH MORE TIME AND INFORMATION), HOW TO CONTINUE WORKING ON CLIMATE CHANGE ADAPTATION
- ALL THE MATERIALS PRODUCED IN THE AELCLIC WORKSHOPS ARE PUBLIC AND FULLY AVAILABLE FOR THE USE OF HYYPÄ LOCAL NETWORK
- THE HYYPÄ LOCAL NETWORK DESIGNATES THE CITY OF KAUAJOKI TO LEAD & REPRESENT THE NETWORK IN FUTURE ACTIONS WITHIN THE AELCLIC (CLIMATE_KIC) PROJECT AND MARKETTA NUMMIJÄRVI TO BE ITS CONTACT PERSON .
- MARKETTA WILL BE INVITED TO THE INTERNATIONAL MEETING THAT WILL TAKE PLACE ON THE 13TH OF NOVEMBER IN BOLOGNA (ITALY) IN WHICH ALL THE REPRESENTATIVES OF THE AELCLIC PILOT LANDSCAPES WILL EXPLORE DIFFERENT OPTIONS TO CONTINUE WORKING ON CLIMATE CHANGE ADAPTATION (ONE OF THAT OPTIONS MIGHT BE TO DEVELOP A LACAP (WITH CLIMATE KIC FUNDING OR WITH OTHER SOURCES OF FUNDING

AELCLIC_PATHFINDER project

TORNIO RIVER VALLEY_Pilot Landscape_RESULTS_WORKSHOP3 (Tornio, 8.10.2019)



TORNIO CITY:

- THIS IS SO FAR JUST THE BEGINNING OF THE DISCUSSION
- WE NEED TO UNDERSTAND BETTER THE EFFECT OF CLIMATE CHANGE AND INCREASE HOPE INSTEAD OF ANXIETY

RIVER COMMISSION:

- MAYBE WE COULD INCREASE HOPE BY DOING CONCRETE COMMITMENTS
- NOT TO DO ANYTHING IS NEVER A GOOD ALTERNATIVE
- DOING WHAT WE CAN WILL ALSO INSPIRE POLICY-/DECISION MAKERS

CITIZEN & FISHERMAN:

- WE HAVE NOW DISCUSSED ABOUT TOPICS RELATED TO WATER, INCLUDING CULTURAL ASPECTS AND THE RIVER
- WE ARE MISSING THOSE WHO CAN AFFECT MORE ON CLIMATE CHANGE ADAPTATION AND MITIGATION: INDUSTRY & ENERGY SECTOR, A BROADER ENERGY REVIEW IS NEEDED.
- IT IS ALSO CRUCIAL TO INCLUDE THE BUSINESS AND PRIVATE SECTOR HOW DO THEY SEE CLIMATE CHANGE / WHAT IS THEIR EXPERIENCE / HOW CAN THEY CONTRIBUTE TO CLIMATE CHANGE ADAPTATION AND MITIGATION??

TORNIO CITY: THE TOWN OF TORNIO AND THE TRADE GROUP WANT TO CONTINUE WORKING ON THIS THEME

- WE NEED TO DO OUR HOMEWORK, SEE EXAMPLES AND CHOOSE THE FRAME AND TOPICS THAT WE WANT TO PROMOTE
- TORNIO IS MISSING SKILLS, RESOURCES AND THERE IS NO PERSON IN CHARGE OF THIS THEME.
- IN THE MUNICIPALITY OF II THEY HAVE DONE MUCH ON CLIMATE CHANGE. IN TORNIO WE HAVE NOT HAD YET A PROPER DISCUSSION: WHAT DOES THIS MEAN IN RELATION TO OUR INPUTS, OUTPUTS AND STRATEGIES?

How do you want to continue and use the results of the AELCLIC project?

Towards a LACAP?

TORNIO CITY:

A "LACAP" (LANDSCAPE ADAPTATION PLAN TO CLIMATE CHANGE)?

- THE TECHNICAL TEAM OF TORNIO CITY HAS TO DISCUSS THIS AND SEE IF THEY CAN COMMIT. THEY THINK ANYWAY THAT THIS IS WORTHWHILE
- THE RESULTS PRODUCED IN THE AELCLIC WORKSHOPS WILL BE DEFINITELY USEFUL BUT WE NEED MORE EXPERTS

TORNIO CITY:

HOW DOES THE AELCLIC PROJECT RELATE TO OTHER INITIATIVES FOR CLIMATE CHANGE ADAPTATION AND MITIGATION?:

- **HINKU** (MAIN NETWORK OF FINNISH MUNICIPALITIES WORKING ON CARBON NEUTRALITY)

WE NEED A BIGGER FRAMEWORK OR PICTURE IN TORNIO TO DEAL WITH CLIMATE CHANGE.... SUSTAINABLE DEVELOPMENT?

FARMER:

AS FIELD AND FOREST OWNERS WE ARE RIGHT IN THE CENTER OF THIS TOPIC WE COULD DO ALMOST ANYTHING IF WE JUST GET GOT A LITTLE HELP → FARMERS SHOULD HAVE A MEETING WITH THE CITY TO SEE WHAT THEY CAN DO

MUSEUM OF TORNIO RIVER VALLEY:

- WE HAVE DISCUSSED A LOT ABOUT CLIMATE CHANGE AND ITS IMPACTS, BUT WE HAVE NOT EXACTLY DISCUSSED ABOUT ADAPTATION OF LANDSCAPE, LAND USE-PLANNING, TRADES ETC.

- THIS ALL COMES NEAR TO THE IMPORTANCE OF THE CULTURAL ENVIRONMENT AND SUSTAINABLE DEVELOPMENT WHICH HAS NOT BEEN VERY VISIBLE LATELY

TORNIO CITY:

WE HAVE APPROACHED CLIMATE CHANGE THROUGH THE LANDSCAPE, WHY NOT TO APPROACH IT THROUGH THE HUMAN? THIS COULD BE AN EVEN MORE IMPORTANT ASPECT, IF PEOPLE DO NOT ADAPT, THE LANDSCAPE OR OTHER NATURE DOES NOT ADAPT EITHER

CITY OF TORNIO:
FARMERS ARE BLAMED OUT OF PROPORTION

FARMER:

FARMING IT IS ONLY 5 % OF THE TORNIO LAND BUT COUNTS FOR 5 % OF THE LOCAL ECONOMY (DAIRY CATTLE AREA) WE ARE DOING (IMPROVEMENTS), BUT PROCESSES ARE SLOW WE SHOULD DISCUSS MORE LIKE THIS, IN CONSTRUCTIVE WAYS

Have the AELCLIC workshops been useful?

CITIZEN & FISHERMAN: THE WORK HAS BEEN WORTHWHILE.

- HOW DO WE PROCEED NOW? WE NEED TO COVER WHAT IS GOING ON IN THE CITY/AREA AROUND.
- THERE HAS HAPPENED A LOT DURING THE LAST TEN YEARS: USE OF SOLAR ENERGY & WINDMILLS HAS INCREASED VASTLY IN THE REGION.
- WHAT ARE THE GOALS? WHAT ARE THE STEPS THAT BUSINESS AND AUTHORITIES/PUBLIC SECTOR SHOULD TAKE TOGETHER IN THE FUTURE?
- CARBON NEUTRAL SEA-LAPLAND IS A CHALLENGING GOAL BECAUSE OF THE INDUSTRY BUT WE CAN REDUCE OUR CARBON FOOTPRINT. THERE ARE THINGS TO DO BUT WE NEED TO CONSIDER HOW TO PROCEED

ELY:

-THE WORK DEVELOPED IN THE AELCLIC PROJECT HAS BEEN USEFUL: VERSATILE TOPICS WERE PROPOSED AND THEY WERE PROCESSED FROM DIFFERENT VIEWS

RIVER COMMISSION:

I SEE HERE AN OPPORTUNITY - WE ARE FEW PEOPLE AND SPARSELY DISTRIBUTED, NETWORKS (LIKE THE ONE IN THE AELCLIC PROJECT) ARE IMPORTANT. NOW WE COULD HAVE/GET HELP AND GUIDANCE IN THIS PROCESS: LETS VALIDATE THAT WE ARE IN

TORNIO CITY:

ENGAGE KEY ACTORS FROM THE INDUSTRY AND BUSINESS SECTOR (E.G. OUTOKUMPU STEEL FACTORY)

TORNIO CITY: THE CITY COUNCIL IS TRAVELLING TO SAVO → THE IDEA IS TO DISCUSS IN THE BUS ABOUT IMPORTANT TOPICS

- THE SITUATION IS NOT AS GRIM AS IT MAY SEEM: WE DO ALL THE TIME DIFFERENT IMPROVEMENTS, WE INVEST IN CYCLING, THERE IS GOING ON THE ELECTRIFICATION OF THE RAILWAY BETWEEN LAURILA-TORNIO-HAPARANDA, OUTOKUMPU STEEL FACTORY WANTS TO MOVE ORE TRANSPORT TO RAILS, ETC. → HOWEVER WE ARE MISSING AN OVERALL PICTURE OF ALL THESE ACTIONS

FISHERMAN:

YES, LET'S DISCUSS ABOUT THIS IN THE BUS TO SAVO

TORNIO CITY:

WE CAN NOT MAKE YET A DECISION. WE ALSO NEED TO DISCUSS THIS WITH THE CITY OF HAPARANDA

Next steps?

GENERAL OPINION:

PEOPLE WERE VERY PLEASED WITH THE WORKSHOPS AND DISCUSSION. IN ADDITION, THEY THINK THAT THE RESULTS HAVE NOT BEEN USELESS, THIS HAS BEEN "A WAKE-UP-CALL" BOTH ON A PERSONAL AND COLLECTIVE LEVEL

PRELIMINARY CONTENTS for a potential LANDSCAPE ADAPTATION PLAN FOR CLIMATE CHANGE in the Tornio River Valley

VALUES

- ON THE PEACEFUL BORDER IN THE NORTH
- CULTURE AND NATURE
- TRANSPARENCY
- SUSTAINABILITY
- SAFETY

GOALS

- WORKING WITH LOCAL STAKEHOLDERS
- CIRCULAR ECONOMY
- EDUCATION AND KNOWLEDGE
- FUNCTIONAL = SUSTAINABLE: ENVIRONMENT, SOCIAL/COMMUNITY, CULTURE, ECONOMY
- PROMOTING AGRICULTURAL ACTIVITY

THEMES

- TWIN CITY BY THE RIVER, THE SEA AND THE ARCHIPELAGO
- CULTURAL ENVIRONMENT, PEOPLE AND WAYS OF LIVING (LIFE IN THE NORTH)
- WATER SYSTEM, FLOODS AND TORNIO RIVER
- SUSTAINABLE ECONOMY
- SUSTAINABLE ENVIRONMENT
- IMPROVING ENERGY PRODUCTION AND USE

EXPECTED IMPACTS

ON TWIN CITY BY THE RIVER, THE SEA AND THE ARCHIPELAGO

- TOURISM

ON CULTURAL ENVIRONMENT, PEOPLE AND WAYS OF LIVING (LIFE IN THE NORTH)

- ENERGY
- PEOPLE & SOCIO-CULTURAL STRUCTURE
- WAYS OF LIVING, TOURISM AND SUMMERS
- HEALTH & SAFETY

ON WATER SYSTEM, FLOODS AND TORNIO RIVER

- FLOODS AND DAMAGES
- SEASONAL CHANGES, SNOW, SOILS AND RIVER
- BUILDINGS, CONSTRUCTIONS AND INFRASTRUCTURES
- TIME SCALE AND SPEED OF CHANGE?
- RIVER ECOLOGY AND ECOSYSTEMS

ON SUSTAINABLE ECONOMY AND ENVIRONMENT

- AGRICULTURE & FORESTRY
- FISHES AND FISHING
- WATER QUALITY, QUANTITY & DROUGHTS
- ALIEN SPECIES, DISEASES AND PESTS
- RIVER ECOSYSTEMS & FISHING
- LANDSCAPE CHANGES: RIVER, FARMING, ROADS, BUILDINGS

ON ENERGY PRODUCTION AND USE

- EXISTING INFRASTRUCTURES & SAFETY

OPPORTUNITIES

IN TWIN CITY BY THE RIVER, THE SEA AND THE ARCHIPELAGO

- SUMMER TOURISM

IN CULTURAL ENVIRONMENT, PEOPLE AND WAYS OF LIVING (LIFE IN THE NORTH)

- NEW CLIMATE AND REDISTRIBUTION OF SPECIES
- AGRICULTURE & FORESTRY
- RESTORATION OF RIVER BASIN AND RURAL OPENNESS
- TOURISM
- RECREATION
- NEW PEOPLE & SOCIO-CULTURAL STRUCTURE

IN WATER SYSTEM, FLOODS AND TORNIO RIVER

- LESS ICE DAM FLOODS & MORE FLOOD CONTROL
- RIVER ECOSYSTEMS AND FISHING

IN SUSTAINABLE ECONOMY AND ENVIRONMENT

- GREEN ECONOMY
- MORE NUTRIENTS AND SOIL FERTILITY

IN ENERGY PRODUCTION AND USE

- ECONOMIC DEVELOPMENT
- NEW TECHNOLOGIES

SOLUTIONS/ACTIONS

- LAND USE AND CONSTRUCTION MANAGEMENT AND CONTROL > SUSTAINABLE AND CONSERVING BUILDING
- REDUCTION OF THE EMISSIONS OF SUBSTANCES HAZARDOUS TO THE ENVIRONMENT
- IMPROVED AGRICULTURE
- RESEARCH
- STORM WATER CONTROL/DELAY
- FLOOD WALLS
- PROTECTION OF RIVER SIDES
- FLOOD CONTROL
- DEVELOPMENT OF ENVIRONMENTAL PROGRAMS
- INCENTIVES, TAXATION, CERTIFICATION FOR INDUSTRY AND OTHER COMPANIES

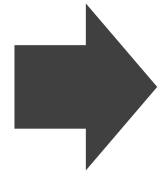
BARRIERS

- POLITICS
- EU-DIRECTIVES
- REGULATIONS /RESTRICTIONS FOR FISHING AND AGRICULTURE
- LACK OF RESOURCES, NEW IDEAS
- NEW THINKING AND PEOPLE, YOUNG PEOPLE NEEDED!
- MONEY AND RESOURCES, LACK OF TIME
- WEAK INVOLVEMENT OF PRIVATE AND PUBLIC SECTOR
- ARE WE MISSING OUR CULTURE IDENTITY?
- EXISTING STRUCTURES AND SYSTEMS (FOR EX. THE FOSSIL FUELS)

CONCLUSIONS and NEXT STEPS

- THE RESULTS OF THE AELCLIC WORKSHOPS WERE FOUND USEFUL AND THE CITY OF TORNIO AND THE TORNIO LOCAL NETWORK MIGHT DISCUSS IN THE FUTURE (WITH MORE TIME AND INFORMATION), HOW TO CONTINUE WORKING ON CLIMATE CHANGE ADAPTATION
- SOME ESSENTIAL ECONOMIC ACTORS WERE MISSING (E.G. INDUSTRY AND ENERGY SECTOR) AND MORE SPECIFIC INFORMATION /STUDIES ARE NEEDED. IT WOULD BE ESSENTIAL TO INCLUDE CLIMATE CHANGE ADAPTATION/MITIGATION IN A BROADER REGIONAL OR LOCAL FRAMEWORK: (SUSTAINABLE/RESILIENT TORNIO?)
- THE AELCLIC PROJECT HAS PROVIDED AN OPEN AND TRANSPARENT PLATFORM FOR DISCUSSION AND SOME ECONOMIC/SOCIAL SECTORS WERE SPECIALLY PLEASED WITH THAT
- ALL THE MATERIALS PRODUCED IN THE AELCLIC WORKSHOPS ARE PUBLIC AND WILL BE FULLY AVAILABLE FOR THE TORNIO LOCAL NETWORK
- THE TORNIO LOCAL NETWORK DESIGNATES THE CITIES OF TORNIO AND HAPARANDA TO LEAD THE NETWORK IN POSSIBLE FUTURE ACTIONS WITHIN THE AELCLIC (CLIMATE_KIC) PROJECT. SAMPO KANGASTALO AND GÖRAN WIGREN WOULD BE THEIR CONTACT PERSONS
- SAMPO AND GÖRAN WILL BE INVITED TO THE INTERNATIONAL MEETING THAT WILL TAKE PLACE ON THE 13TH OF NOVEMBER IN BOLOGNA (ITALY) IN WHICH ALL THE REPRESENTATIVES OF THE AELCLIC PILOT LANDSCAPES WILL EXPLORE DIFFERENT OPTIONS TO CONTINUE WORKING ON CLIMATE CHANGE ADAPTATION (ONE OF THAT OPTIONS MIGHT BE TO DEVELOP A LACAP WITH CLIMATE KIC FUNDING OR WITH OTHER SOURCES OF FUNDING.

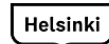
FROM 2 Climate-KIC PARTNERS & 1 THIRD PARTY



**AELCLIC
pathfinder
IN
NORTHERN
EUROPE**

TO 30 LOCAL COLLABORATORS

City of Helsinki / Urban Environment Division



Suomen Rakennusinsinöörien Liitto RIL



Pohjois-Helsingin yrittäjät/Entrepreneur



Viherympäristöliitto ry / The Finnish Association of Landscape Industries



Malmi-seura



Ninho kulttuurikeskus ry



Tornio City



Haparanda Stad



Lapin Liitto



The Museum of Tornio Valley



Tranboundary river commission



Lapin ammattikorkeakoulu



Metsänhoitoyhdistys



Hyppänjokilaakson neuvottelukunta



Geopark



MTK



Farmer



Region Norrbotten



MERI-LAPIN MUSEOT



Kauhajoki Town



ELY/South-Bothia, Seinäjoki



Regional Council of South Ostrobothnia



Suupohjan peruspalveluliikelaitoskuntayhtymä



Ruralia-instituutti



Paikallinen asukas-

Paikallinen asukas-maisemahoitokunta

Seinäjoen museot

Seinäjoki

Pro-agria



**And TO
3 MULTI-STAKEHOLDER
LOCAL NETWORKS WITH
AN INITIAL PLAN ABOUT
HOW TO COLLABORATE IN
CLIMATE CHANGE
ADAPTATION**



WP3 (ATLANTIC & ALPINE EUROPE)

University of Wageningen

AELCLIC_PATHFINDER

ADAPTATION OF EUROPEAN LANDSCAPES TO CLIMATE CHANGE



Workpackage 3 *Atlantic and Alpine Europe*



www.aelcllic.com

Bas Pedrolí
Wageningen University
The Netherlands



Climate-KIC is supported by the
EU, a body of the European Union

PARTNERS: **A!**
Aalto University

Helsinki

WAGENINGEN
UNIVERSITY

ROYAL NETHERLANDS
GOVERNMENT

UNIVERSITÄT
DUISBURG
ESSEN

LAS NAVES

CONSIGLIO REGIONALE
DELLO SARDEGNA

Comune di Bolzano

Fondazione
promozione urbana

Atlantic and Alpine Europe



Lowland Peat Landscape
Holland (Netherlands)

Atlantic Coastal Landscape Bertra
(County Mayo, Ireland)



Alpine Landscape
Haute Tarentaise (France)



AELCLIC_PATHFINDER

ADAPTATION OF EUROPEAN LANDSCAPES TO CLIMATE CHANGE



Workpackage 3 *Atlantic and Alpine Europe*



www.aelcllic.com

*Bas Pedroli
Wageningen University
The Netherlands*



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PARTNERS: **A!**
Aalto University



Major issues of climate change

- Sea level rise
- Droughts
- Excess water discharge
- Higher temperatures
- More extreme weather conditions

Major impacts

- Increasing risks in agricultural production
- Increasing flood risk by sea, rivers and storm water
- Land degradation
- Urban heat effect
- Biodiversity effects

Stakeholder consultation

- Difficult to get commitment
- Depending very much on the individual persons
- Once a begin has been made, enthusiasm grows
- Interference with running projects

Selection of pilot landscapes

- Huge variation in landscape types: coastal plains and cliffs, sand dunes and lowland peatlands, hills and mountains, forests and wetlands, various agricultural land uses
- Selection based on contacts (UNISCAPE), and rough coverage of geographical diversity
- Mont St Michel kept in reserve

Atlantic and Alpine Europe



Lowland Peat Landscape
Holland (Netherlands)

Atlantic Coastal Landscape Bertra
(County Mayo, Ireland)

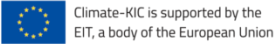


Alpine Landscape
Haute Tarentaise (Savoie France)



WP4 (SOUTH WESTERN EUROPE)

Polytechnic University of Valencia



AELCLIC International Meeting of Bologna WP4 South-Western Europe November 13. 2019



AELCLIC partners

- Academic
- Regions / Cities
- NGOS
- Business

AELCLIC third parties

- Academic
- Regions / Cities
- NGOS
- Business

AELCLIC Leading Pilot Landscapes

AELCLIC Multiplier Pilot Landscapes

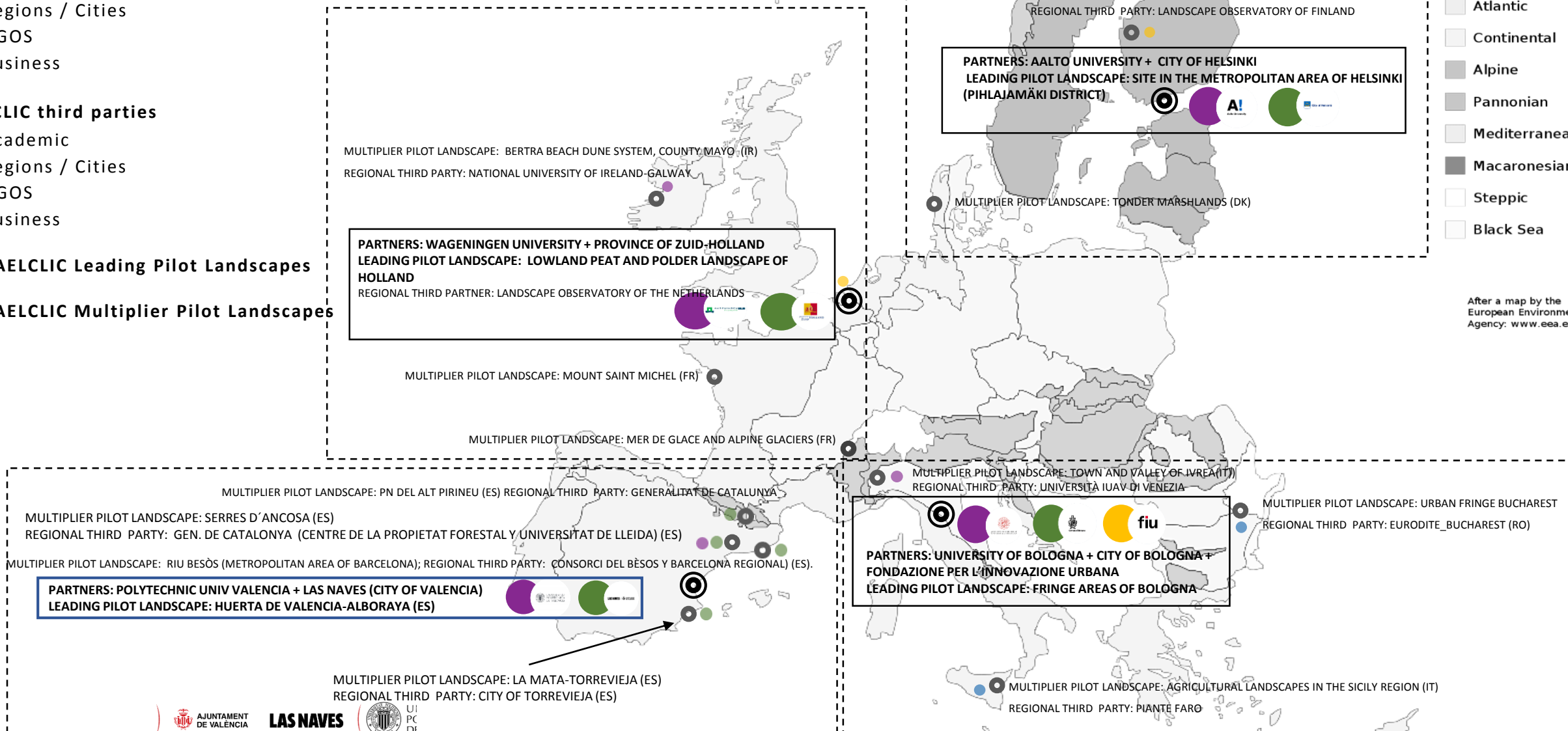
EUROPEAN NETWORKS

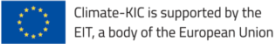
- UNISCAPE (UNIVERSITIES)
- CIVILSCAPE (CIVIL SOCIETY ORGANIZATIONS (NGOs))

supported by the
Biogeographical
regions of the
European Union

- Boreal
- Atlantic
- Continental
- Alpine
- Pannonian
- Mediterranean
- Macaronesian
- Steppic
- Black Sea

After a map by the
European Environment
Agency: www.eea.eu.i





MULTIPLIER PILOT LANDSCAPE:
RIU BESÒS (METROPOLITAN AREA OF
BARCELONA);

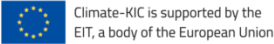
REGIONAL THIRD PARTY:
CONSORCI DEL BÈSOS Y BARCELONA
REGIONAL



MULTIPLIER PILOT LANDSCAPE:
LA MATA-TORREVIEJA

REGIONAL THIRD PARTY:
CITY OF TORREVIEJA (ES)





**LEADING PILOT LANDSCAPE:
HUERTA DE VALENCIA-ALBORAYA**

**PARTNERS:
POLYTECHNIC UNIV. VALENCIA + LAS NAVES
(CITY OF VALENCIA)**



**MULTIPLIER PILOT LANDSCAPE:
SERRES D'ANCOSA**

**REGIONAL THIRD PARTY:
GEN. DE CATALONIA (CENTRE DE LA PROPIETAT
FORESTAL & UNIVERSITAT DE LLEIDA)**



**MULTIPLIER PILOT LANDSCAPE:
PARC NATURAL D'ALT PIRINEU**

**REGIONAL THIRD PARTY:
GENERALITAT DE CATALUNYA**



AELCLIC. International Meeting of Bologna

WP4. SOUTH-WESTERN EUROPE

NOVEMBER 13. 2019

AELCLIC partners

- Academic
- Regions / Cities
- NGOS
- Business

AELCLIC third parties

- Academic
- Regions / Cities
- NGOS
- Business

AELCLIC Leading Pilot Landscapes

AELCLIC Multiplier Pilot Landscapes

MULTIPLIER PILOT LANDSCAPE: PN DEL ALT PIRINEU (ES) REGIONAL THIRD PARTY: GENERALITAT DE CATALUNYA

MULTIPLIER PILOT LANDSCAPE: SERRES D'ANCOSA (ES)

REGIONAL THIRD PARTY: GEN. DE CATALONIA (CENTRE DE LA PROPIETAT FORESTAL Y UNIVERSITAT DE LLEIDA) (ES)

PARTNERS: POLYTECHNIC UNIV VALENCIA + LAS NAVES (CITY OF VALENCIA)
LEADING PILOT LANDSCAPE: HUERTA DE VALENCIA-ALBORAYA (ES)

MULTIPLIER PILOT LANDSCAPE: LA MATA-TORREVIEJA (ES)
REGIONAL THIRD PARTY: CITY OF TORREVIEJA (ES)

EUROPEAN NETWORKS

- UNISCAPE (UNIVERSITIES)
- CIVILSCAPE (CIVIL SOCIETY ORGANIZATIONS)



Climate-KIC is supported by the EIT, a body of the European Union

Biogeographical regions of the European Union

- Boreal
- Atlantic
- Continental
- Alpine
- Pannonian
- Mediterranean
- Macaronesian
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- Black Sea

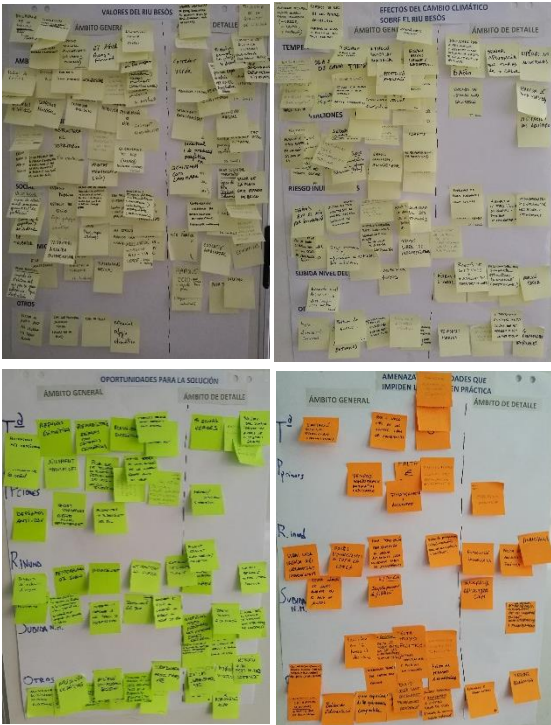
After a map by the European Environment Agency: www.eea.eu.i



	WORKSHOP1 "Who" Local Network & Work-Plan	WORKSHOP2 "What for" Co-identification of impacts and opportunities	WORKSHOP3 "How" Co-definition of key contents for a LACAP
HUERTA DE VALENCIA-ALBORAYA	17.6.2019		17.10.2019
RIVER BESÒS (METROPOLITAN AREA OF BARCELONA)	2.10.2019		30.10.2019
SERRES D'ANCOSA	8.10.2019		8.11.2019
PARC NATURAL ALT PIRINEU	4.10.2019	31.10.2019	
LA MATA-TORREVIEJA	25.9.2019		23.10.2019

WORKSHOP 1. Local Network & Work-Plan
WORKSHOP 2. Co-identification of impacts and opportunities

- TASK 1: WHICH ARE THE VALUES THAT BETTER REPRESENT THE LANDSCAPE?
- TASK 2: WHICH ARE THE CLIMATE CHANGE EFFECTS ON THE LANDSCAPE?
- TASK 3A: WHICH ARE THE POTENTIAL ANSWERS TO THE IDENTIFIED CLIMATE CHANGE EFFECTS?
- TASK 3B: WHICH ARE THE THREATS OR WEAKNESSES WHICH COULD PREVENT THE IMPLEMENTATION OF THOSE OPPORTUNITIES FOR RESOLUTION?



WORKSHOP 3.
Co-definition of key contents for a LACAP

- TASK 1: WHICH ACTIONS SHOULD BE INCLUDED IN THE LANDSCAPE ADAPTION PLAN OF THE PILOT LANDSCAPE IN ORDER TO ACHIEVE ITS INTENDED OBJECTIVES?
- TASK 2: EVALUATION OF POTENTIAL LEVELS OF STAKEHOLDER INVOLVEMENT

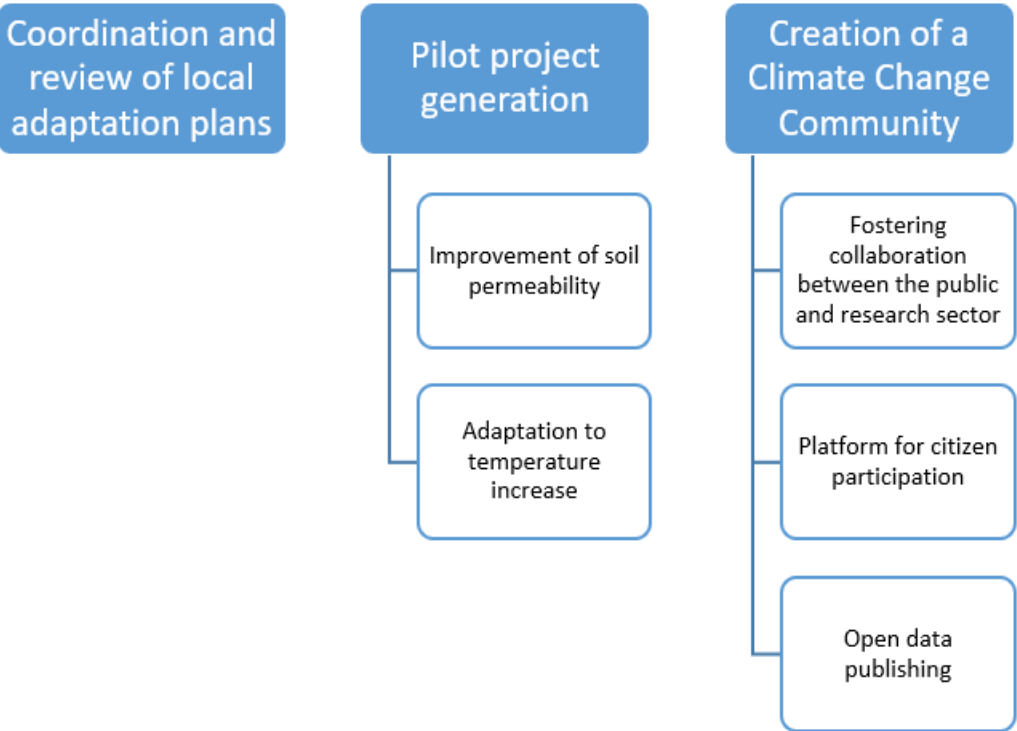


TASK 0: HOW DO YOU THINK THAT THE **AELCLIC-PROJECT** CAN CONTRIBUTE TO THE **ADAPTATION** OF PILOT LANDSCAPE TO CLIMATE CHANGE?

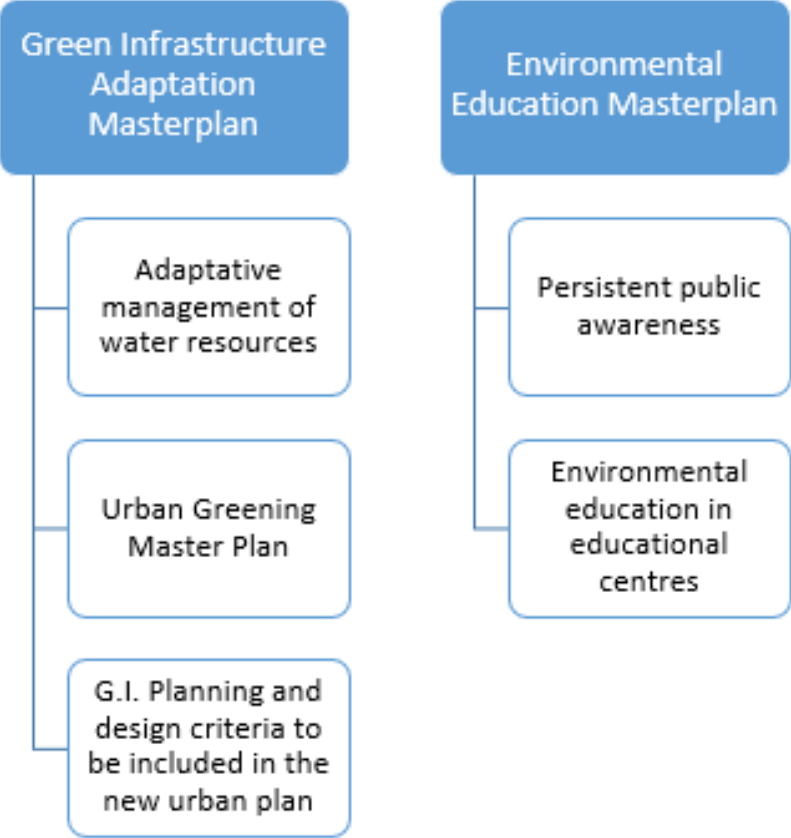


TASK 1. Actions to be included in the LACAP in order to achieve its intended objectives

RIU BESÒS (MA OF BARCELONA)



LA MATA-TORREVIEJA

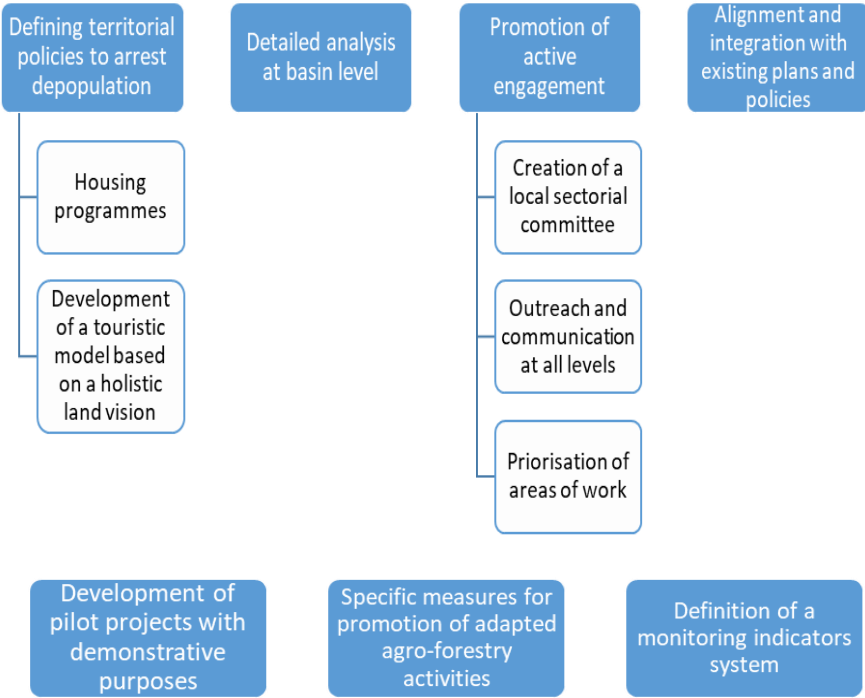


TASK 1. Actions to be included in the LACAP in order to achieve its intended objectives

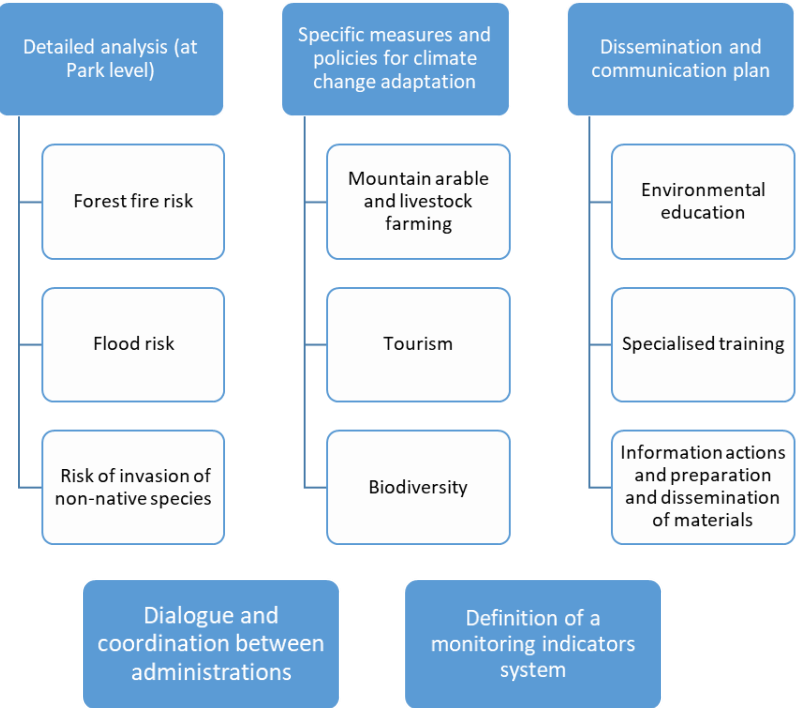
HUERTA DE VALENCIA-ALBORAYA



SERRES D'ANCOSA

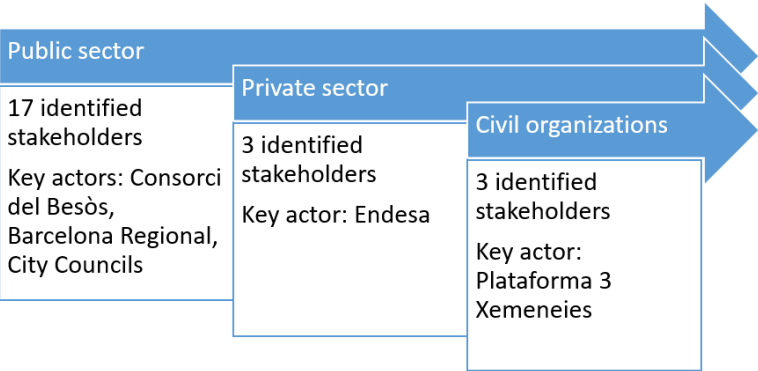


PARC NATURAL DE L'ALT PIRINEU

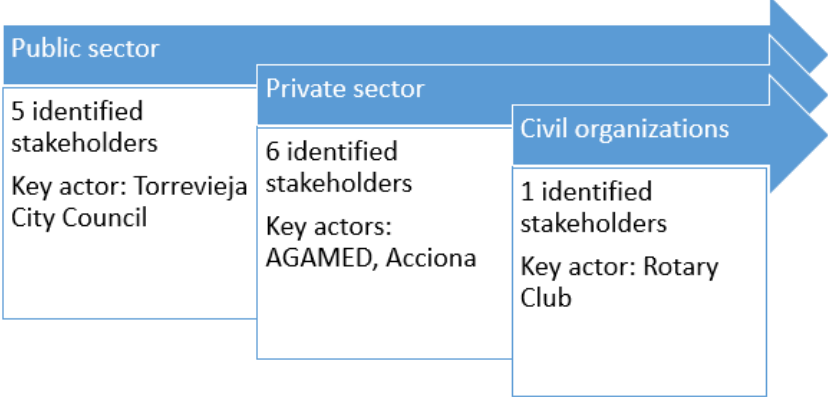


TASK 2. Evaluation of potential levels of stakeholder involvement

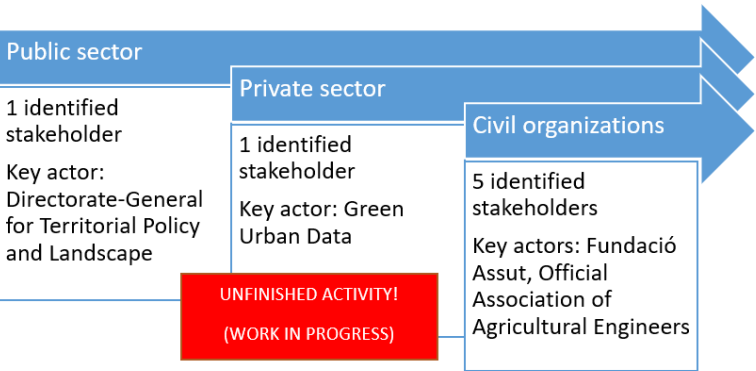
RIU BESÒS (MA OF BARCELONA)



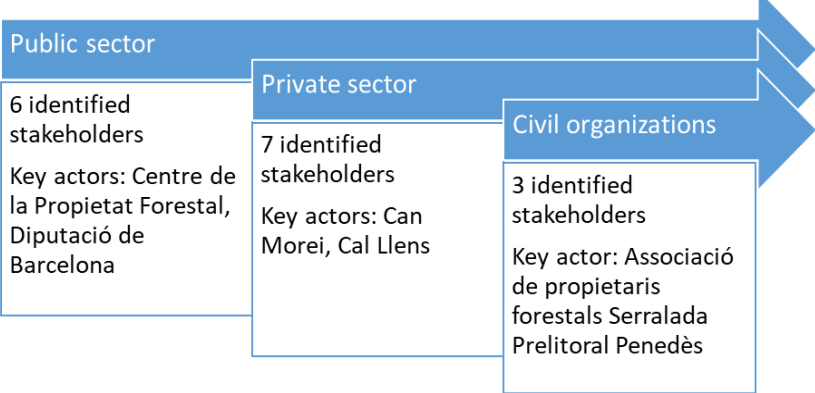
LA MATA-TORREVIEJA



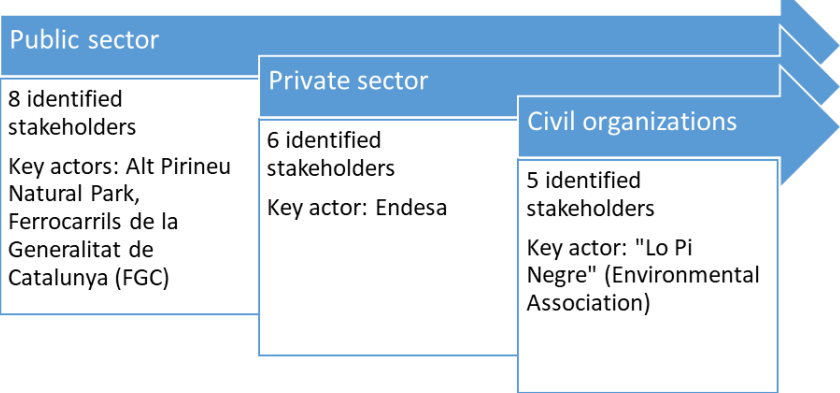
HUERTA DE VALENCIA-ALBORAYA

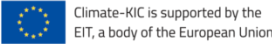


SERRES D'ANCOSA



PARC NATURAL DE L'ALT PIRINEU





● HUERTA DE VALENCIA:

- https://www.eldiario.es/cv/cambio-climatico-huerta-valencia_0_914808729.html
- <https://www.lasnaves.com/agroalimentacion/la-upv-y-las-naves-coordinan-el-codiseno-de-un-plan-de-adaptacion-de-lahuerta-valenciana-al-cambio-climatico/?lang=es>
- <https://www.youtube.com/watch?v=ua8BIF2HRgg&feature=youtu.be>

● RIVER BESOS:

- <https://consorcibesos.cat/el-consorci-del-besos-col-labora-en-lorganitzacio-dunes-sessions-de-treball-sobre-ladaptaciodels-paisatges-europeus-al-canvi-climatic-en-el-marc-del-projecte-europeu-aelcl/>
- <https://consorcibesos.cat/el-consorci-del-besos-continua-amb-els-treballs-de-col-laboracio-amb-el-projecte-europeu-aelcl-pathfinder-sobre-ladaptacio-dels-paisatges-europeus-al-canvi-climatic/>

● LA MATA-TORREVIEJA:

- <http://www.torreviejaip.tv/politica/2019102326599/taller-para-el-estudio-del-frente-costero-de-torrevieja.html>
- https://issuu.com/vistaalegetorrevieja/docs/va_3134
- <https://objetivotorrevieja.wordpress.com/2019/10/24/el-frente-costero-de-torrevieja-paisaje-piloto-representativo-del-suroeste-de-europa/>
- <http://torrevieja.es/sal/noticias/2019/10/Segundo%20taller%20estudio%20frente%20costero/index.aspx>

● PARC NATURAL ALT PIRINEU:

- <https://govern.cat/salaprensa/notes-premsa/378646/parc-natural-alt-pirineu-16-paisatges-escollits-europa-estudiarefectes-del-canvi-climatic>
- http://exteriors.gencat.cat/ca/ambits-dactuacio/afers_exteriors/ue/fons_europeus/detalls/noticia/20191031_pn-altpirineu
- <https://www.europapress.es/epagro/noticia-cambio-climatico-parc-alt-pirineu-participa-plan-europeo-contra-efectos-cambio-climatico-20191030131934.html>
- https://www.ara.cat/societat/parc-natural-alt-pirineu-laboratori-crisi-climatica-europa-analisi-impacte-adaptacio_0_2334966650.html
- https://ec.europa.eu/spain/barcelona/news/el-parc-natural-de-l%E2%80%99alt-pirineu-participar%C3%A0-en-un-projecte-europeu-estudiar-els-efectes-del_ca

● SERRES D'ANCOSA:

- <http://infoanoia.cat/serra-dancosa-paisatges-europeus-escollits-estudiar-efectes-canvi-climatic/>

eldiariocv.es
Provincias ▾ Comarcas ▾ Política ▾ Cultura ▾ Medio Ambiente ▾ Economía ▾ Opinión ▾ Blogs ▾

10N Resultados por municipio | Rivera deja la política | Votos perdidos | Los pa

Un proyecto europeo para combatir los efectos del cambio climático sobre el paisaje utiliza la huerta de Valencia como laboratorio

② La Universitat Politècnica de València y el centro de innovación Las Naves coordinan un proyecto del EIT-Climate-KIC para diseñar un plan

② L'Horta ha sido elegida como uno de los paisajes representativos del suroeste de Europa

Laura Martínez [Seguir a @lauramartinez](#)

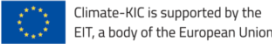
29/06/2019 - 22:02h



Imagen aérea de la Huerta de Valencia. HDRONICO.COM

¿Puede la huerta valenciana ser un atenuante de los efectos del cambio climático en la ciudad? El clima afecta a todo lo que crece sobre la tierra. La obiedad es a menudo descuidada por los gestores de lo público y los operadores privados que trabajan sobre el suelo. La huerta valenciana ha sido víctima durante las últimas décadas de los efectos perversos del cambio climático, pero también del urbanismo depredador, que ve un ladrillo en cada centímetro libre de suelo.

La huerta valenciana es uno de los espacios del extremo occidental europeo seleccionados para un proyecto piloto que busca crear una metodología y un plan de adaptación de los entornos al cambio climático. El proyecto AELCLIC (Adaptation of European Landscapes to Climate




À Punt - 14.08.2019 | Terra Viva

Registre Favorits

À Punt

Ràdio en directe TV en directe Programació Notícies Esports A la carta L'oratge La Colla


A la carta Terra viva



Investigador UPV
Francisco Galiana

No hem arribat a ser el que som per ambició

Vídeos relacionats



A la carta Terra viva

24.09.2019 | Terra Viva

TVT TELEVISIÓN TORREVIEJA

TVT NOTICIAS

Inicio Política Sociedad Cultura Sucesos Deportes TVT.ES

Política

Miércoles, 23 de Octubre de 2019

Taller para el estudio del frente costero de Torrevieja



Esta tarde, en el centro cultural Virgen del Carmen, se ha celebrado el segundo taller para el estudio del frente costero de Torrevieja como paisaje piloto representativo del suroeste de Europa.

Recomendar Registrar para ver qué recomiendan tus amigos.

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El Consorci del Besòs continua amb els treballs de col.laboració amb el projecte europeu AELCLIC-Pathfinder, sobre l'adaptació dels paisatges europeus al canvi climàtic.



Dimarts, 5 de novembre de 2019

El passat dimecres dia 30 d'octubre, es va du a terme al Consorci del Besòs el TALLER 2 anomenat Paisatge pilot del Riu Besòs del Projecte AELCLIC (Adaptation of European Landscapes to Climate Change), l'objectiu principal del qual va ser la definició conjunta dels objectius i continguts que hauria de tenir un futur Pla d'Adaptació del paisatge del riu Besòs al canvi climàtic. Aquest Taller és continuïtat del que es va realitzar també al Consorci a principis del mes d'octubre (<https://bit.ly/36v3guf>).

Comissió Europea > Espanya > Barcelona > Actualitat > El Parc Natural de l'Alt Pirineu participarà en un projecte

Pàgina principal Qui som Serveis Actualitat Actes Empreses i finançament

Agenda europea Notes i convocatòries Vídeos Recursos Contra la desinformació Contactes

El Parc Natural de l'Alt Pirineu participarà en un projecte europeu per estudiar els efectes del canvi climàtic

El Parc Natural de l'Alt Pirineu s'ha convertit en un dels 16 indrets de tot Europa escollits per estudiar els efectes del canvi climàtic. Així, s'ha incorporat al projecte AELCLIC-Pathfinder (Adaptation of European Landscapes to Climate Change), cofinançat per EIT-Climate-KIC.



Alt Pirineu

04/11/2019

L'EIT Climate-KIC és una de les moltes comunitats d'innovació creades i finançades per l'Institut Europeu

LANDSCAPES	HUERTA DE VALENCIA-ALBORAYA	SERRES D´ANCOSA	PARC NATURAL DE L´ALT PIRINEU	RIU BESÒS (AM DE BARCELONA)	LA MATA-TORREVIEJA
MISSING SECTORS	PRIVATE SECTOR	LOCAL AUTHORITY	LOCAL AUTHORITY	REGIONAL AUTHORITY	REGIONAL AUTHORITY
MAIN MISSING ACTORS	AGRICULTURE LAND OWNERS	SOME MUNICIPALITY AUTHORITIES	SOME MUNICIPALITY AUTHORITIES	REGIONAL LAND MANAGEMENT AUTHORITY	NATURAL PARK AUTHORITY
	AGRICULTURAL MANUFACTURE COMPANIES				REGIONAL LAND MANAGEMENT AUTHORITY

- The support and interest of local networks for the development of workshops and the definition of possible LACAP scenarios is recognized.
- A very good collaboration of the local coordinators and actors who have participated at both workshops is perceived .
- The central themes of common interest in the landscapes and the main actors that can be the potential actors for the development of the AELCLIC project have been identified by the local networks.



WP5 (SOUTH EASTERN EUROPE)

University of Bologna



.....**WP5**

**South
Eastern
Europe**

Daniele Torreggiani
University of Bologna

Leading pilot landscape: Bologna (IT)

**North-eastern fringe
areas of the municipality
of Bologna**

Multiplier pilot landscape: Mantova (IT)

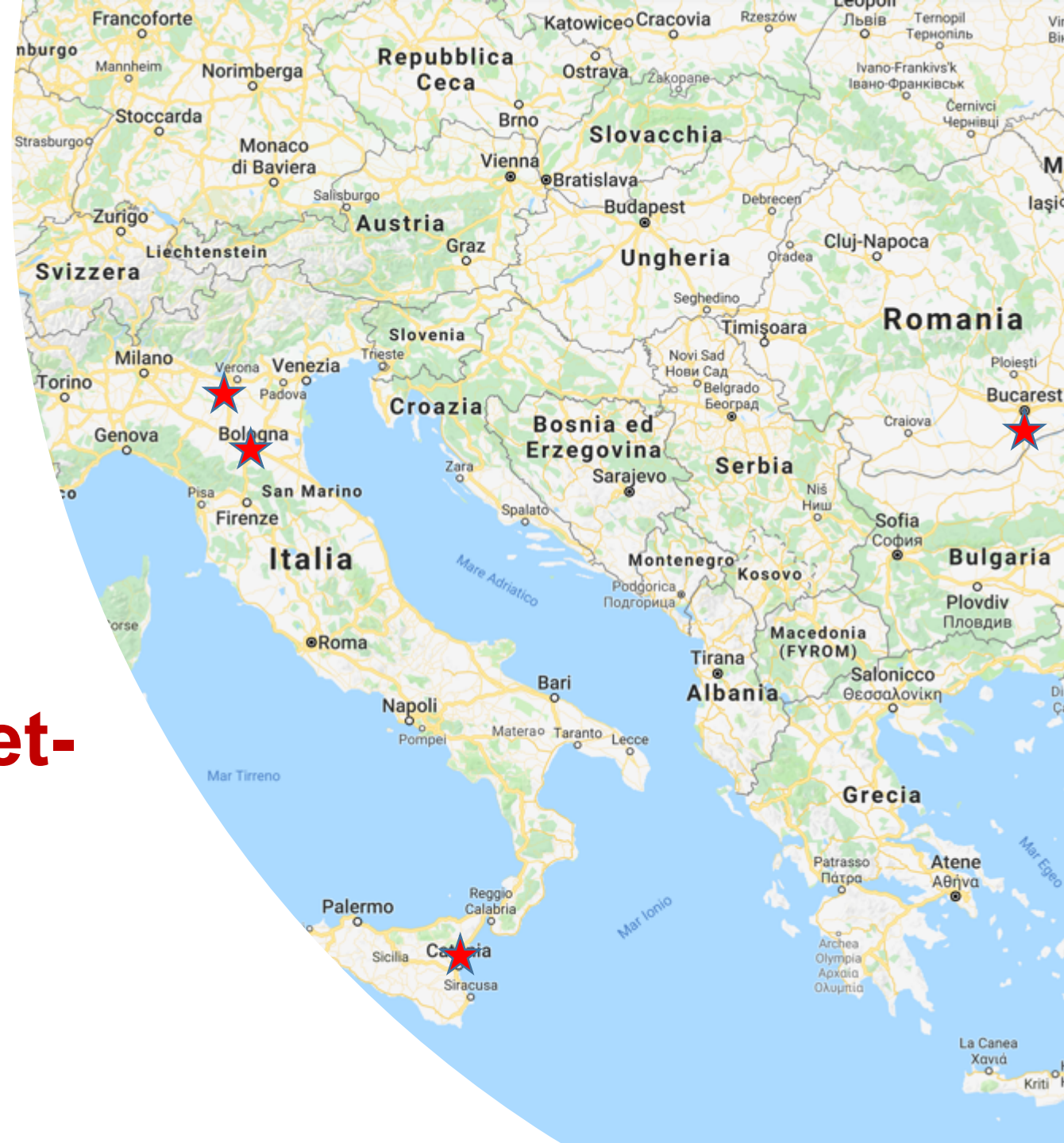
**City of
Mantova**

Multiplier pilot landscape: Bucharest (Ro)

**Carol Park and the Filaret-
Rahova neighborhood**

Multiplier pilot landscape: Sicily (IT)

**Southeastern part of
the Etna landscapes**



LEGENDA

1st workshop:
impact diagnosis2nd workshop:
objectives & actionsintegrated workshop:
impacts + objectives & actionsmeeting / virtual meeting with
partners & stakeholdersshared documents
& reportsout-put production
and deliveryresearch activity
& organization

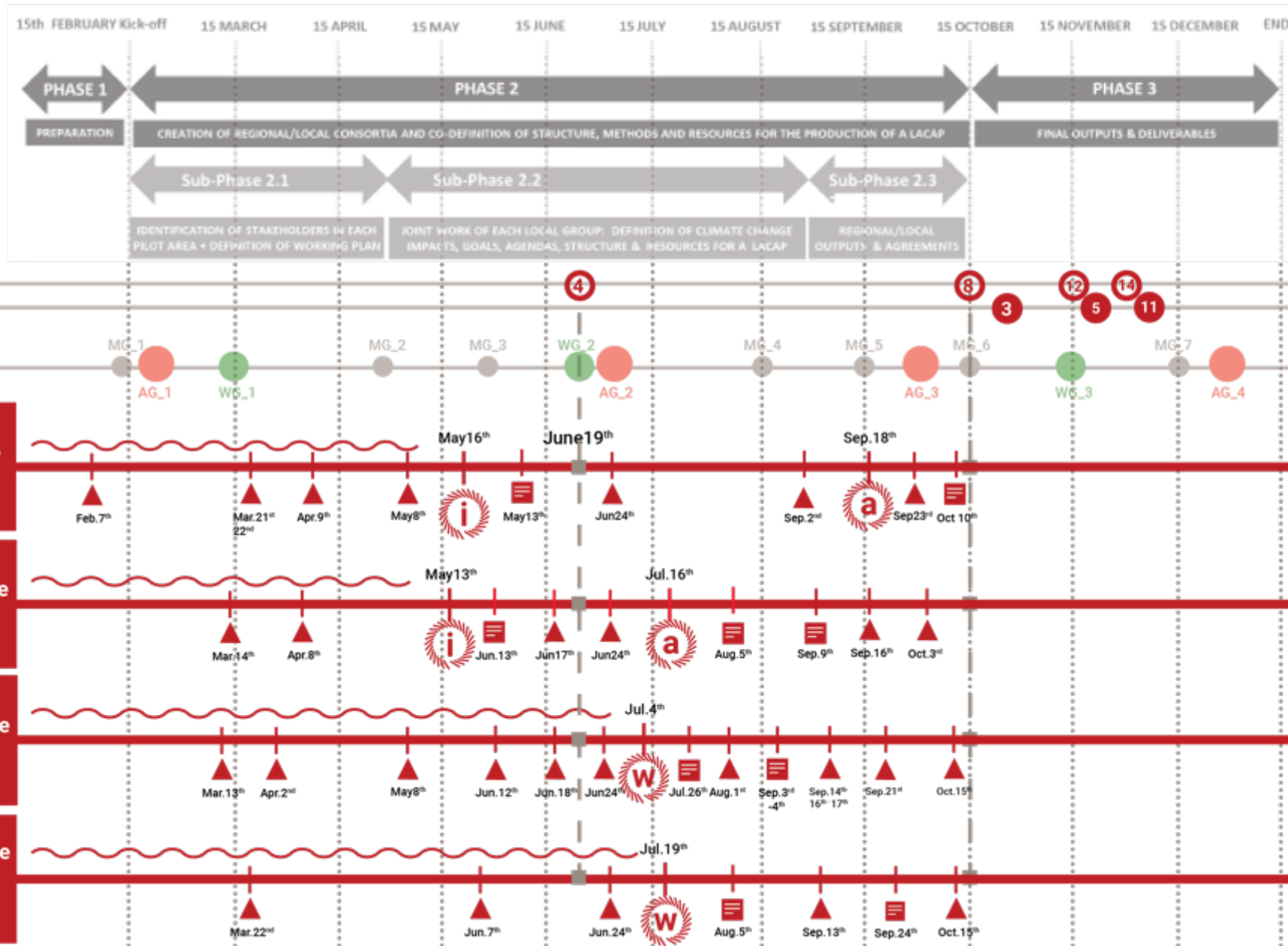
Outputs



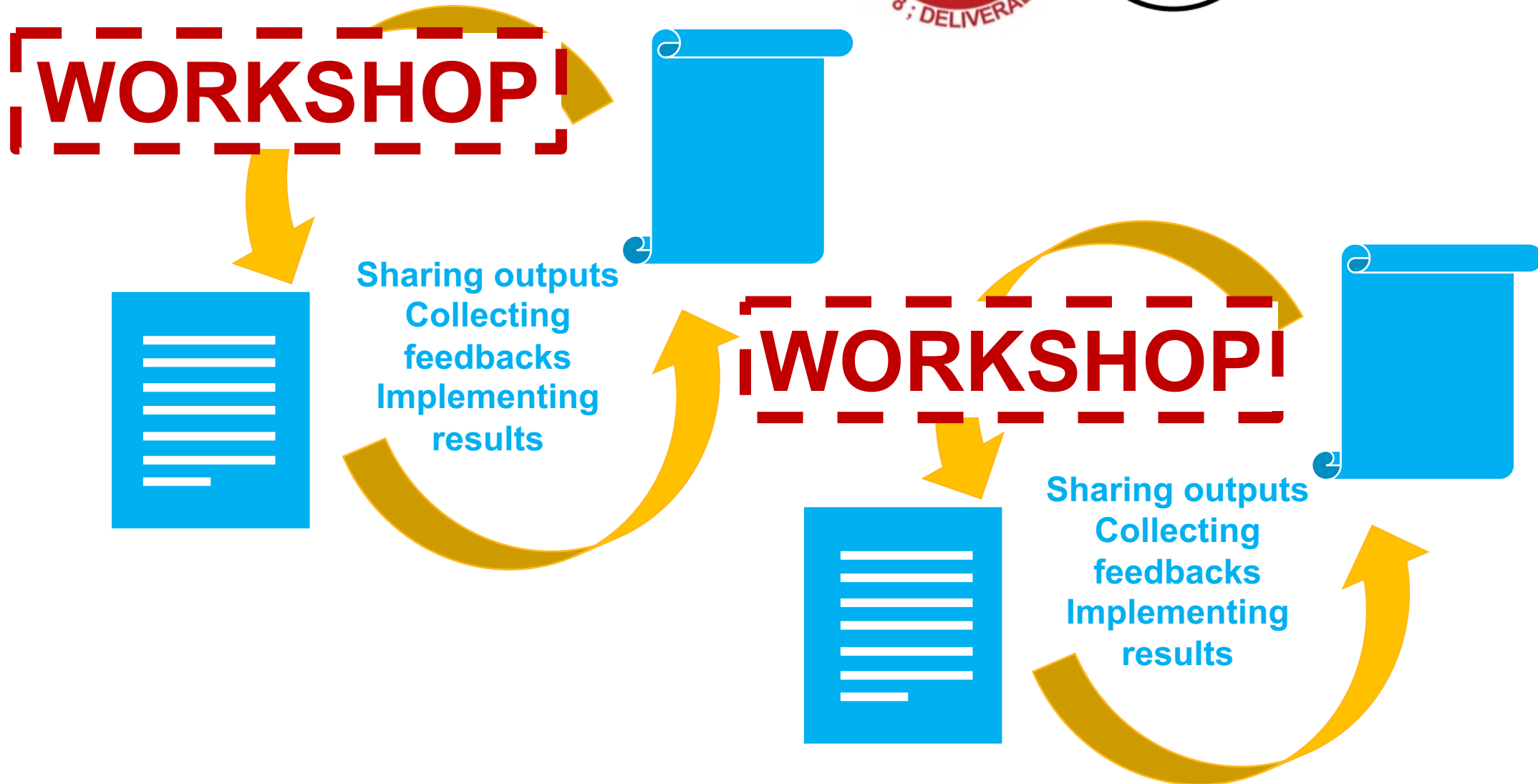
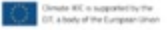
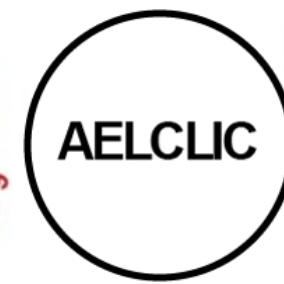
Deliverables



MG_x_regular on-line meetings

WG_x:
MG Workshop meetingsAG_x: MG+AB
on-line meetingsUniversity of Bologna
Workplan
OUTPUT 4Leading landscape
BolognaMultiplier Landscape
MantovaMultiplier Landscape
BucharestMultiplier Landscape
Etna
Landscapes

THE PROCESS



The path finder process

LEGENDA

- 1st workshop: impact diagnosis
- 2nd workshop: objectives & actions
- integrated workshop: impacts + objectives & actions
- meeting / virtual meeting with partners & stakeholders
- shared documents & reports
- out-put production and delivery
- research activity & organization
- Outputs
- Deliverables
- MG_x: regular on-line meetings
- WG_x: MG Workshop meetings
- AG_x: MG+AB on-line meetings

University of Bologna
Workshops
Methodology & planning
OUTPUT 8: DELIVERABLES 9

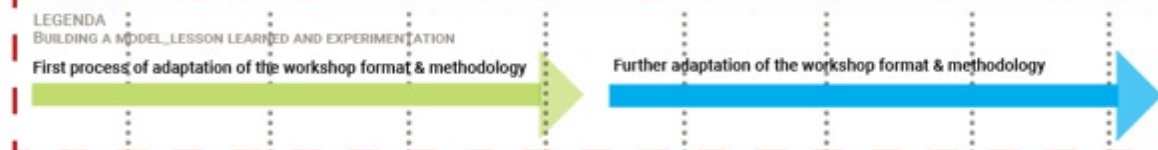
outputs & deliverables
coordination & management

Leading landscape
Bologna

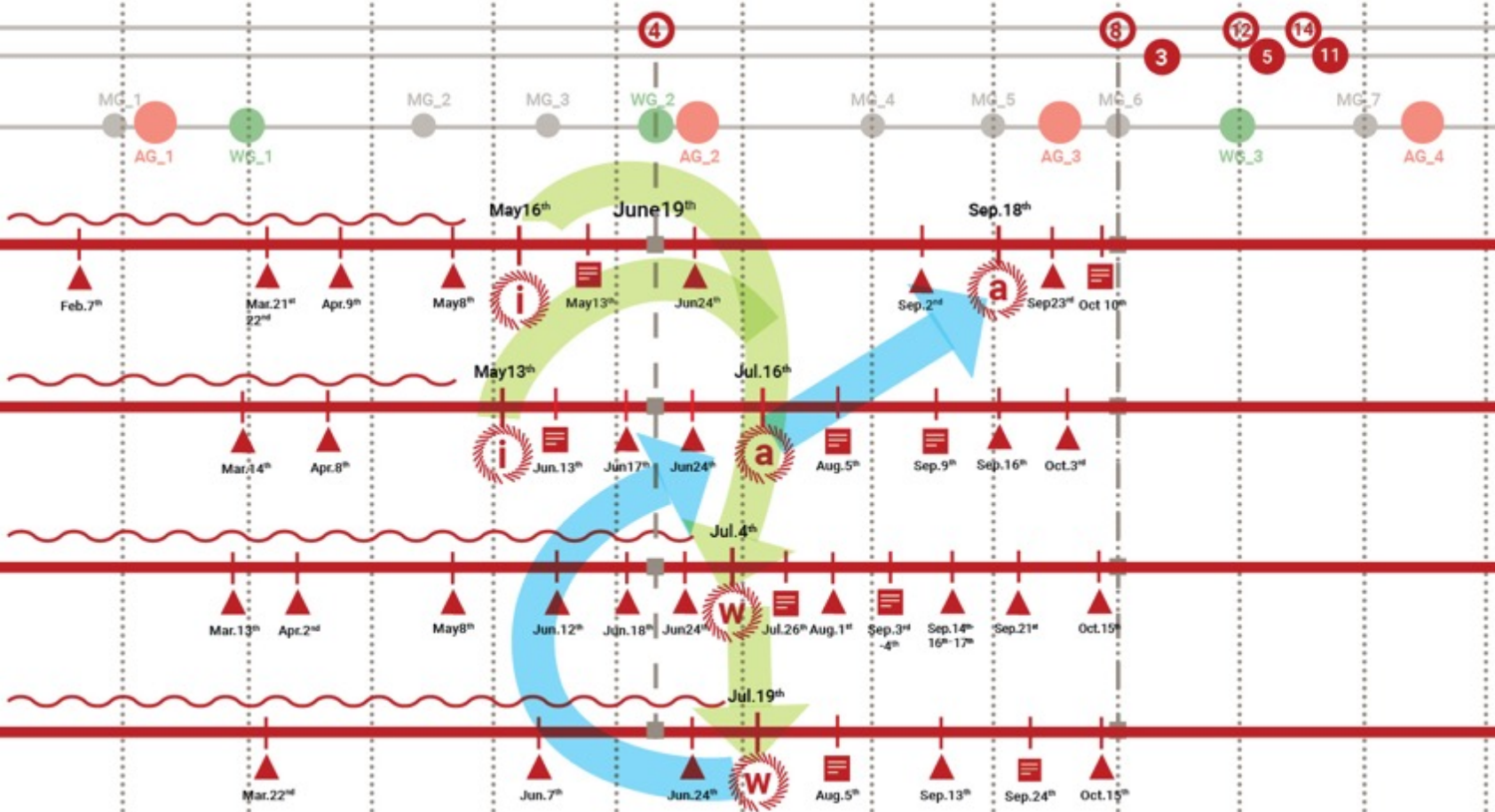
Multiplier Landscape
Mantova

Multiplier Landscape
Bucharest

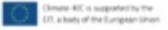
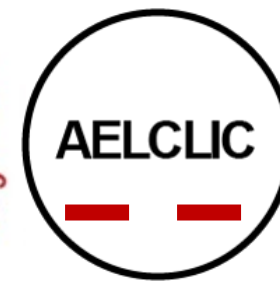
Multiplier Landscape
Etna
Landscapes



leading landscape multipliers landscapes



THE PROCESS



>>> The AELCLIC project: Towards a climate change adaptation plan

- Presentation of the AELCLIC project
- Presentation of the members of the network, agreeing on the workplan
- Data and evidence about climate change trends and scenarios in the region
- Pilot area: landscape values, spatial/landscape planning, previous projects related to CC

>>> Changing Landscapes: Diagnosis of the perceived impacts, topics, opportunities

- Focus group: diagnosis of climate change impacts on the local landscape
- Brainstorming: landscape values (business, society, environment, heritage), impacts and opportunities, priority topics and goals, synergies at the local/regional level
- First draft of the contents of the PLAN: topics and goals

>>> Adapting our landscapes: visions, solutions, goals, strategies

- Focus group: climate change effects and main landscape units and systems (setting more specific priorities)
- Benchmarking: presentation of examples of best practices/approaches from previous projects, examples of structures of plans related to resilience and CC adaptation, possible landscape visions/scenarios
- Brainstorming: site-specific solutions, opportunities, barriers

>>> Plan structure & Eol by the stakeholders

- Further development of the contents and structure of the PLAN (topics, goals, strategies, actions)
- First expression of interest in the future development of the PLAN / pilot actions + tentative potential roles of the stakeholders

AWARENESS
RAISING
PROCESS

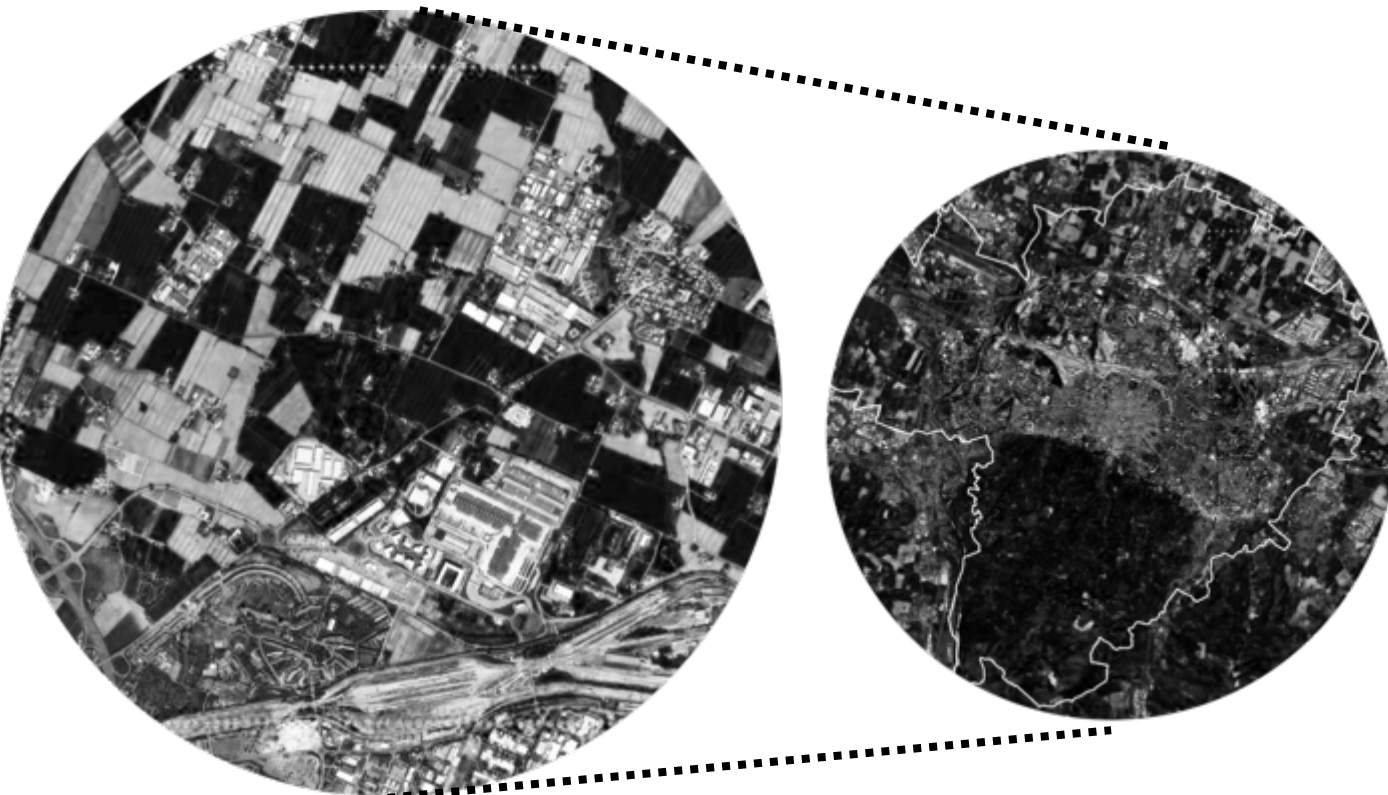
DESIGN
PROCESS AND
NETWORKING

TAKING
RESPONSABILITY

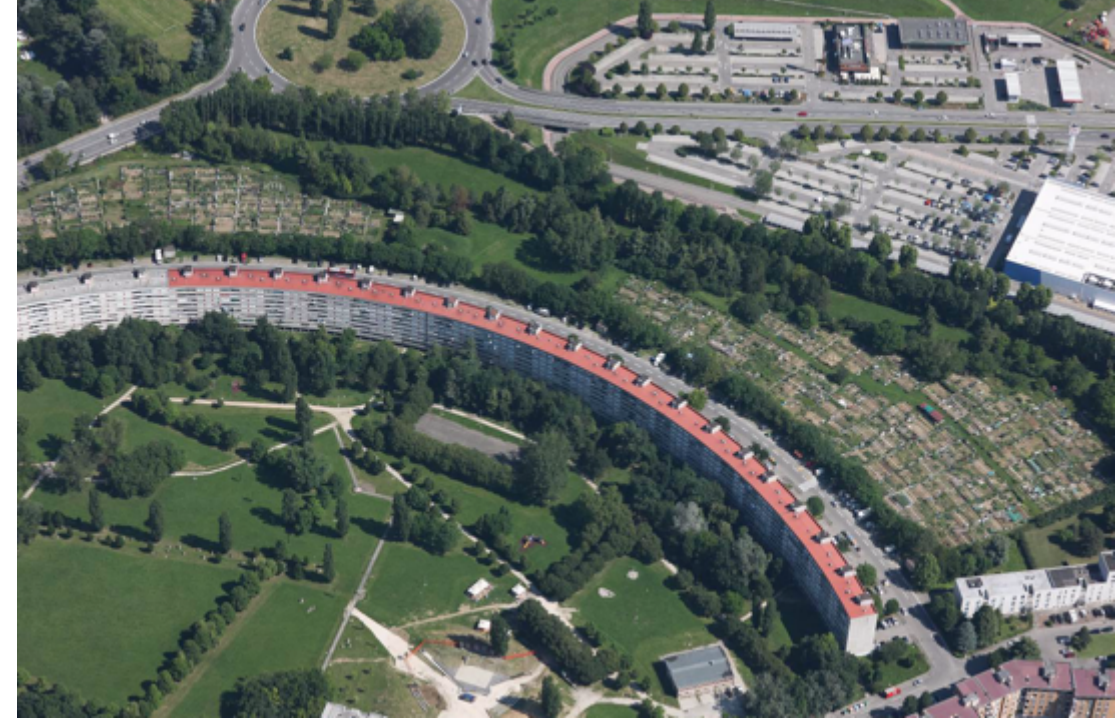
Leading pilot landscape: Bologna (IT)

North-eastern fringe areas of the municipality of Bologna

Partners: City of Bologna, Fondazione
Innovazione Urbana



(The core area is accompanied by satellite areas)



Towards the LACAP

Contribution related to a future project for the definition of
a Landscape Adaptation Plan to Climate Change

Bologna_16.05.2019

1st workshop Impact diagnosis

23 participants

Bologna_18.09.2019

2nd workshop | LACAP structure

20 participants

University of Bologna

Networks

OUTPUT 4

Leading pilot Landscape
Bologna

Local Regional Administration

- ★ Giuseppe de Togni
Municipality of Bologna

Institutions / Associations

- ★ Marco Alberghini
USC/CSL B. Metropolitan area
Marco Calipetti
Confagricoltura Bologna
Claudio Cervellati,
Confagricoltura Bologna Emilia Romagna
Carmine Preziosi ANCE Bologna
D. Cavallina - Coldiretti Bologna
- ★ Michele Solmi e Andrea Morsolin,
Consorzio Bonifica Renana

Private sector and companies

- Marco Odaldi AESS
- Francesco Palmieri Bologna Welcome
- Andrea Bruini
Granarolo Group
- Silvia Bergami e Stefano Savini,
EmilBanca
- Marco Spinedi Interporto Bologna
C4AB; Crogel; Inalca

Societal Group

- S. Borsari Quartiere S. Donato-S. Vitale
- Choly Vladimis
Agenzia di sviluppo Pilastro
- Patrizia Preti,
Oni di Via Salgarì, ANDESCAO

Foundations / Research institutes

- ★ Julia Colver
Nomisma



Impact diagnosis

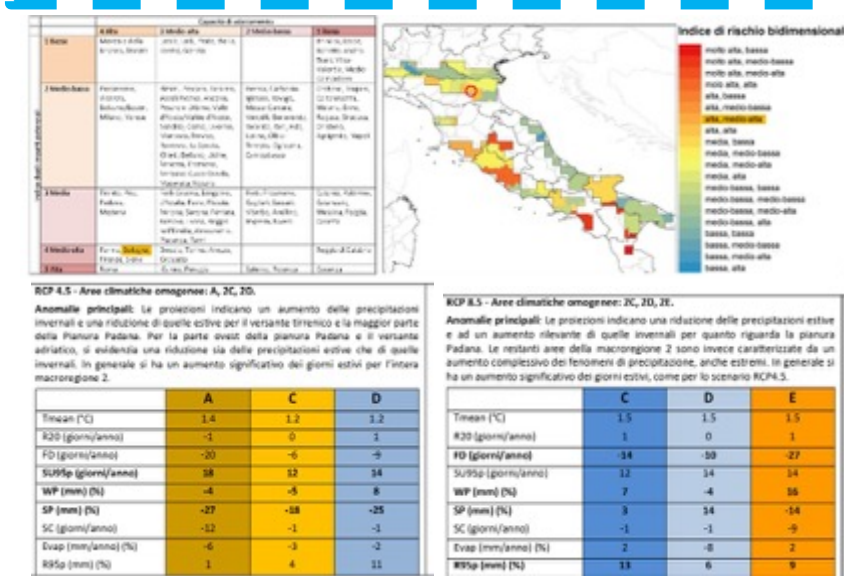
Drought; Extreme events; Water scarcity; Increased temperatures; Heat waves.

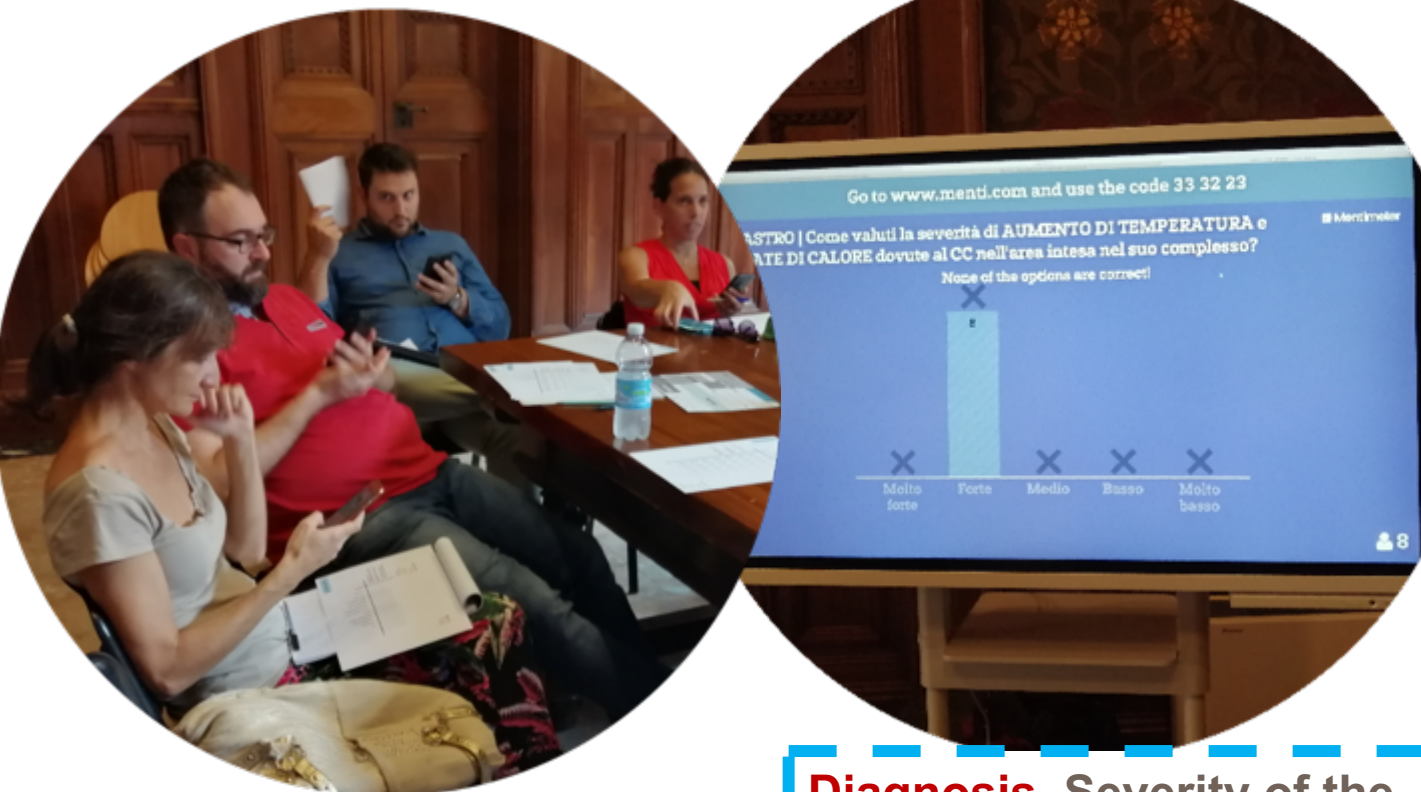
KEY TOPICS

Water management, soil quality, green public space, quality of the built heritage, energy production, education and sensibilization.

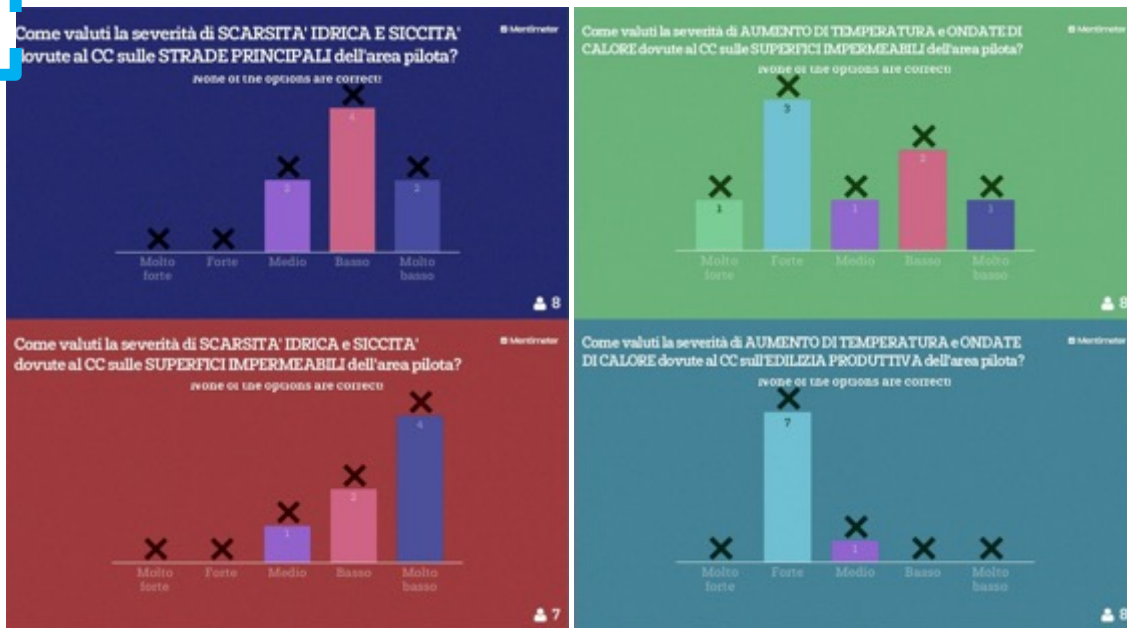
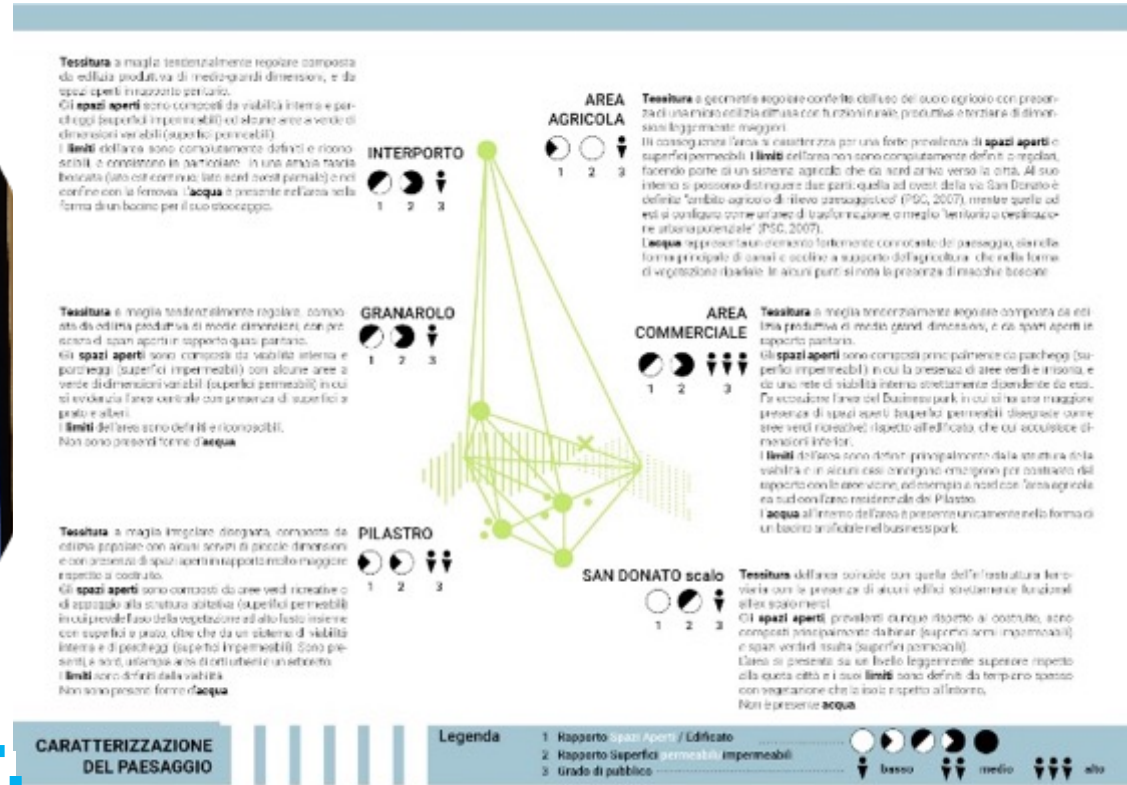
Landscapes changes: CC impacts on the pilot area.

Landscape adaptation: Topics & goals





Diagnosis. Severity of the impacts on pilot area.

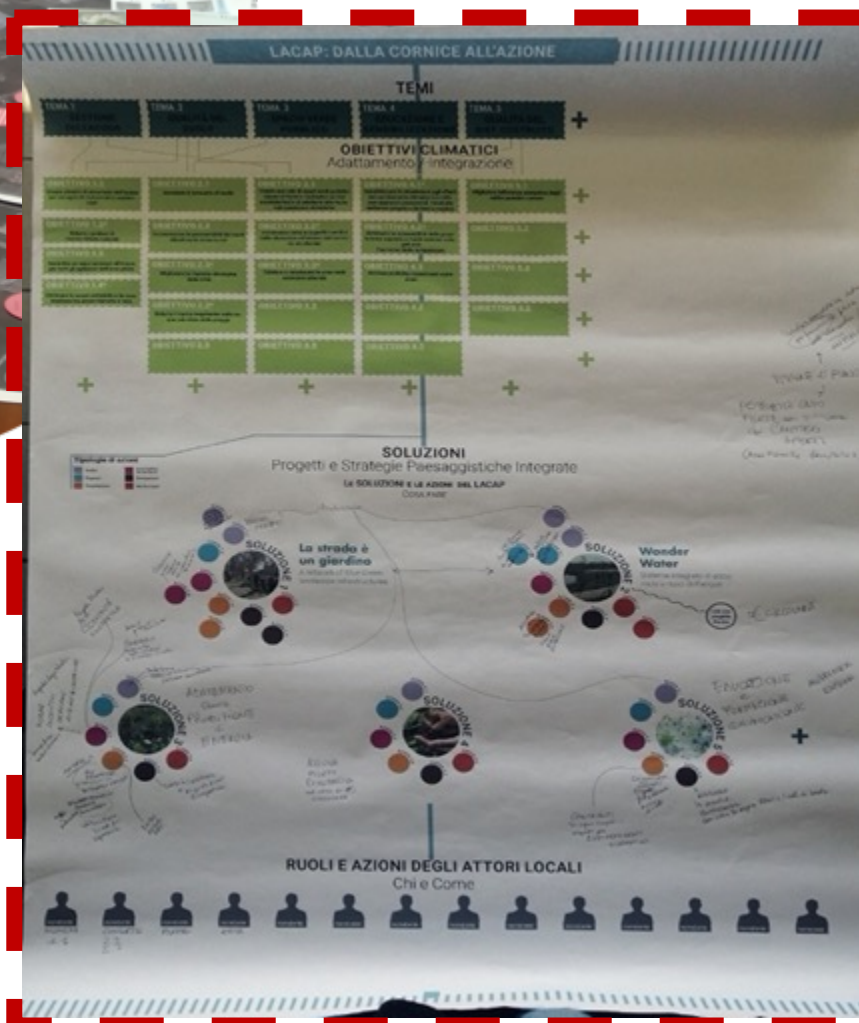




Landscape adaptation

Opportunities

Topics, goals, solutions, actions



TEMI | UNITÀ STRUTTURALI CHE CONNOTANO IL PAESAGGIO



AREA COMMERCIALE | GRANAROLO INTERPORTO



Permeabilità dei suoli



INTERPORTO | GRANAROLO | AREA COMMERCIALE



Tetti verdi e pareti vegetali

Interventi sull'edificato e sul patrimonio costruito



INTERPORTO | GRANAROLO | AREA COMMERCIALE



Sistemi agricoli resilienti

Selezione di specie più resistenti; Microaccumulo di acqua (maceri,...); Efficientamento dei sistemi di irrigazione; Aridocoltura; Multifunzionalità / recupero dei sistemi tradizionali; Trasformazioni compatibili del sistema insediativo



SAN DONATO | INTERPORTO | GRANAROLO | AREA COMMERCIALE
SAN DONATO | PILASTRO



Rain gardens | Aree verdi | Aree di sosta



Sezioni stradali tipo

LACAP: FROM FRAME TO ACTION

THEMES

THEME 1
WATER
MANAGEMENT

THEME 2
SOIL QUALITY

THEME 3
GREEN PUBLIC
SPACE

THEME 4
EDUCATION &
AWARENESS RAISING

THEME 5
BUILT HERITAGE
ENHANCEMENT

THEME 6
ENERGY
PRODUCTION

THEME 7
POLICY
INTEGRATION

CLIMATE GOALS

Adaptation / integration

GOAL 1

To achieve a sustainable and virtuous management of the water resource, providing the pilot area with collection and accumulation systems that can reduce, if not eliminate, the disruption caused by flooding, an equal access to all stakeholders eliminating waste and creating a closed cycle of use in the pilot area.

GOAL 2

Reduce soil consumption and initiate soil desealing processes in the pilot area properly identified to help improve resilience with respect to the effects of the main impacts detected: heat islands, extreme events, hydrogeological instability.

GOAL 3

Convert the response of the built heritage to the main impacts measured from passive to active, equipping it with systems and technologies to limit dispersion and energy consumption and even convert them into new energy generators and water collectors.

GOAL 4

Create a green and blue infrastructure for the pilot area that consists of an interconnected network of public green spaces that integrate soft mobility, water accumulation and lamination systems and relationship spaces.

GOAL 5

Equip the pilot area with an integrated system of solutions for the production of energy from renewable sources and implement a pool of interventions aimed at limiting energy and resource consumption.

GOAL 6

Start a process of education and awareness of citizens and all the actors involved in the pilot area to raise awareness of the effects of climate change by promoting the adoption of behaviors and strategies useful for adaptation.

GOAL 7

Integrate the objective of adapting the landscape to climate change in plans and programs at various scales. Inform, integrate and eventually correct the existing legislation of the plans at the local, metropolitan and regional scale to encourage concrete adaptation actions and ensure the coherence and clarity of the planning and land management tools.

A Road Map for the LACAP Topics, goals, solutions and actions to build a LACAP



- Action typology
- Analysis
 - Diagnosis
 - Planning
 - Pilot actions
 - Education & communication
 - Monitoring activities

SOLUTIONS

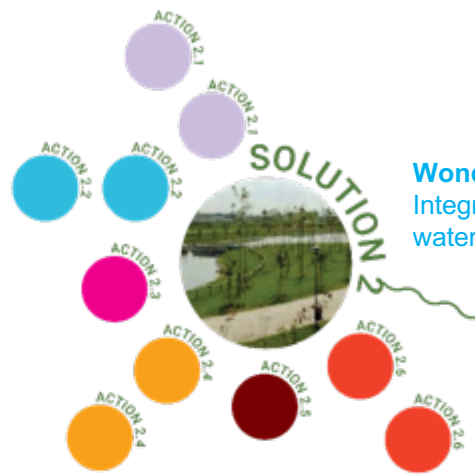
landscape integrated projects and strategies

LACAP'S SOLUTIONS AND ACTIONS

HOW TO DO



The Street is a Garden
A network of Blue-Green landscape infrastructures



Wonder Water
Integrated system for water collection and reuse



The house of energy
Interventions building heritage to limit waste & produce energy from renewable sources.



Changes Chances
Full programme for education to CC adaptation



XXXXXXXXXX
????????????????




ROLES E ACTION OF LOCAL STAKEHOLDERS

Who & How



Towards the agreement

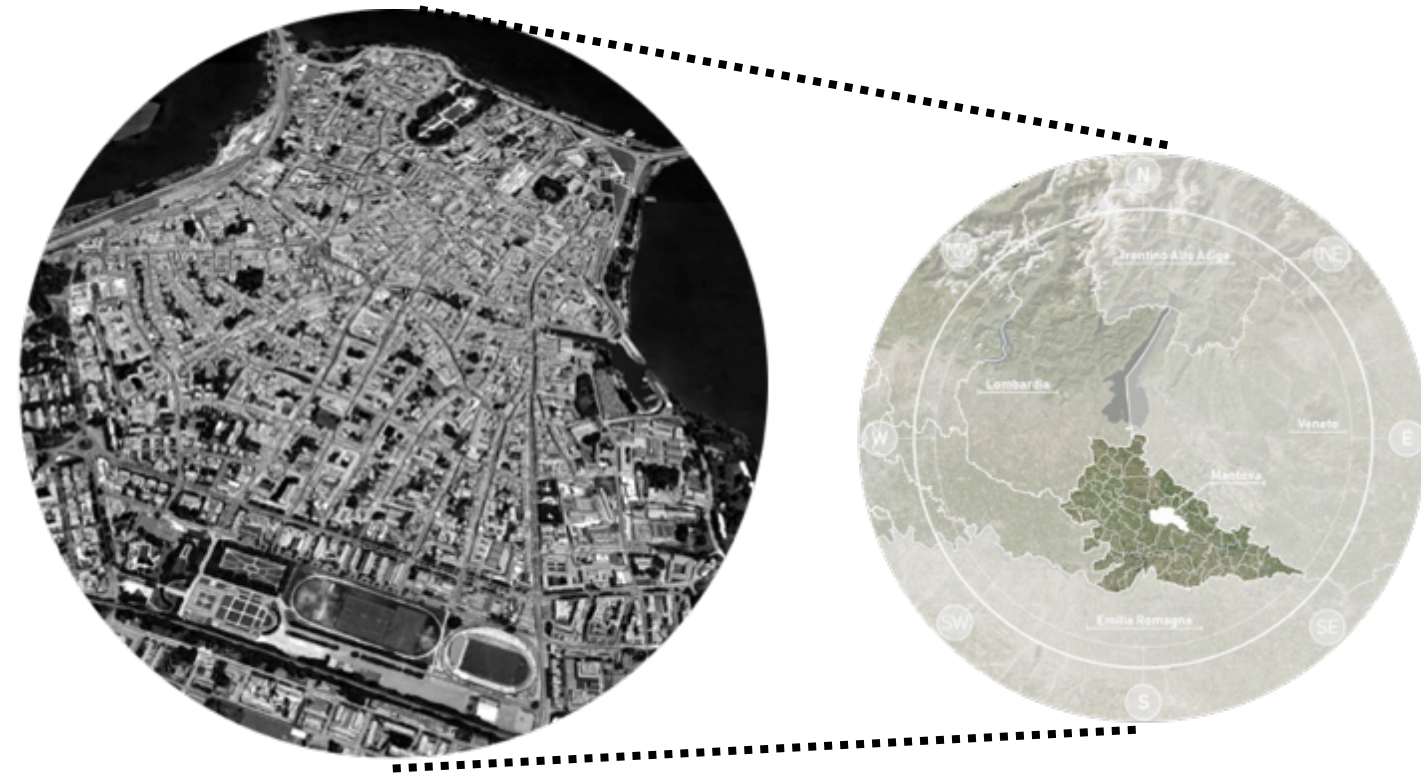
Potential contribution related to a future project for the definition of a Landscape Adaptation Plan to Climate Change

- 
- Territory Analysis (Data/knowledge);
 - Data and knowledge, raising awareness and dissemination in the agricultural world;
 - Supply of historical data on crops and irrigation. CAP data;
 - Study of impacts on the energy front;
 - Community awareness;
 - Constructive Support in identifying building and infrastructure solutions to respond to environmental and functional problems;
 - Contribute with analysis results/pilot projects on mobility, water, waste;
 - Triggering virtuous processes for circular economy;
 - Sharing of the experience gained in environmental assessment and certification;
 - Networking and involving other actors also for potential regeneration projects;
 - Promoting internal/external awareness and dissemination through the own business, financial and entrepreneurial network.

Multiplier pilot landscape: Mantova (IT)

The city of Mantova (UNESCO site)

(Third party: IUAV)



Towards the LACAP

Contribution related to a future project for the definition of a Landscape Adaptation Plan to Climate Change

Mantova_13.05.2019
1st workshop Impact diagnosis

21 participants

Mantova_16.07.2019
2nd workshop LACAP structure

16 participants

University of Bologna
Networks
OUTPUT 4

Multiplier Landscape
Mantova

Local Regional Administration

- ★ G. Montanarini, S. Savazzi, E. Parisi, M. Bedini, G. Moraschi, M. Ghidoni, I. T. Silvestrin, F. Pagni, S. Salardo, R. Marchioro, M. Busi
Municipality of Mantova
- ★ Stefano Pasquali, Renzo Bonatti
Province of Mantova
- Luisa Pedrazzini
Lombardy Region

Institutions / Associations

- ★ Edoardo Tolasi, Marco Goldoni
Agronomist Association Mantova
- Cristiano Guarnieri
Architects Professional Association MN
- ★ Barbara Schiavinato
Land reclamation consortium of the Mincio

Private sector and companies

- Simone Massari
Mantova Ambiente, Gruppo TE4 Spa
- Monica Viviani
Gazzetta di Mantova
- Fausto Uguzzoli, Romeo Broglio
Aerodrom S.p.A.

Societal Group

- Sandro Sutti,
Labter: Crea Mantova

Foundations / Research institutes

- Cristina Alinovi,
Centro Studi PIM
- ★ A. Marson, F. Musco, D. Maragno
UAW University of Venice



RCP 4.5 - Aree climatiche omogenee: A, 2C, 2D.
Anomalia principali: Le proiezioni indicano un aumento delle precipitazioni invernali e una riduzione di quelle estive per il versante tirrenico e la maggior parte della Pianura Padana. Per la parte ovest della pianura Padana e il versante adriatico, si evidenzia una riduzione sia delle precipitazioni estive che di quelle invernali. In generale si ha un aumento significativo dei giorni estivi per l'intera macroregione 2.

	A	C	D
Tmean (°C)	1.4	1.2	1.2
R20 (giorni/anno)	-1	0	1
FD (giorni/anno)	-10	-6	-9
SU95p (giorni/anno)	18	12	14
WP (mm) (%)	-4	-5	8
SP (mm) (%)	-27	-18	-25
SC (giorni/anno)	-12	-1	-1
Evap (mm/anno) (%)	-6	-3	-2
R95p (mm) (%)	1	4	11

RCP 8.5 - Aree climatiche omogenee: 2C, 2D, 2E.
Anomalia principali: Le proiezioni indicano una riduzione delle precipitazioni estive e ad un aumento rilevante di quelle invernali per quanto riguarda la pianura Padana. Le restanti aree della macroregione 2 sono invece caratterizzate da un aumento complessivo dei fenomeni di precipitazione, anche estremi. In generale si ha un aumento significativo dei giorni estivi, come per lo scenario RCP4.5.

	C	D	E
Tmean (°C)	1.5	1.5	1.5
R20 (giorni/anno)	1	0	1
FD (giorni/anno)	-14	-10	-27
SU95p (giorni/anno)	12	14	14
WP (mm) (%)	7	-4	16
SP (mm) (%)	3	14	-14
SC (giorni/anno)	-1	-1	-9
Evap (mm/anno) (%)	2	-8	-
R95p (mm) (%)	13	6	-

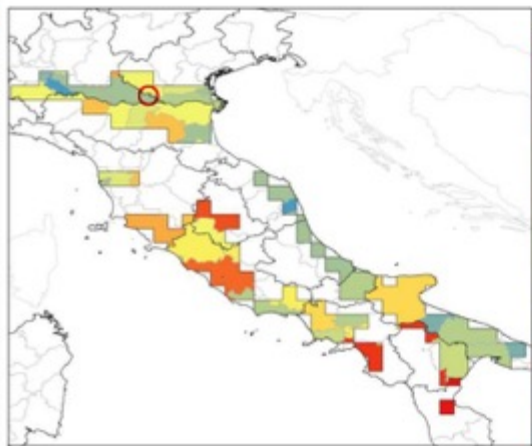
Increased temperatures;
Heat waves; Air quality;
Extreme events; Water scarcity;
Invasion of alien species;
Eutrophication of lakes;
Increasing number of insects and seasonal allergies; Wind gusts;
Hydrogeological instability;
Negative impacts on tourism industry.

KEY TOPICS

Policy integration;
Policies and actions for the transformations of urban public spaces; Mobility;
Water Use and management;
Soil consumption;
Communication and awareness raising

Landscape changes. Analysis of the impacts on the region and the pilot area

Capacità di adattamento				
1 Bassa	4 Alta	3 Medio-alta	2 Medio-bassa	1 Bassa
Manza e della Brianza, Trieste	Lecco, Lodi, Prato, Biella, Fermo, Gorizia	Rimini, Pescara, Teramo, Ascoli Piceno, Ancona, Pesaro e Urbino, Valle d'Aosta/Valle d'Aoste, Sondrio, Como, Livorno, Mantova, Treviso, Ravenna, La Spezia, Chieti, Belluno, Udine, Venezia, Cremona, Verbania-Cusio-Ossola, Macerata, Novara	Isernia, Carbonara-Iglesias, Rovigo, Massa-Carrara, Vercelli, Benevento, Taranto, Bari, Asti, Latina, Olbia-Tempio, Ogliastro, Campobasso	Brindisi, Lecce, Barletta-Andria-Trani, Vibo Valentia, Medio Campidano
2 Medio-bassa	Pordenone, Vicenza, Bolzano/Bozen, Milano, Varese	Forlì-Cesena, Bergamo, L'Aquila, Pavia, Pistoia, Verona, Savona, Ferrara, Genova, Lucca, Reggio nell'Emilia, Alessandria, Piacenza, Terni	Rieti, Frosinone, Cagliari, Sassari, Viterbo, Avellino, Imperia, Nuoro	Crotone, Trapani, Caltanissetta, Matera, Enna, Ragusa, Siracusa, Oristano, Agrigento, Napoli
3 Media	Trento, Pisa, Padova, Modena	Parma, Bologna, Firenze, Siena	Brescia, Torino, Arezzo, Grosseto	Catania, Palermo, Catanzaro, Messina, Foggia, Caserta
4 Medio-alta	Roma	Cuneo, Perugia	Salerno, Potenza	Cesena
5 Alta				



Indice di rischio bidimensionale

- molto alta, bassa
- molto alta, medio-bassa
- molto alta, medio-alta
- molto alta, alta
- alta, bassa
- alta, medio-bassa
- alta, medio-alta
- alta, alta
- media, bassa
- media, medio-bassa
- media, medio-alta
- media, alta
- medio-bassa, bassa
- medio-bassa, medio-bassa
- medio-bassa, medio-alta
- medio-bassa, alta
- bassa, bassa
- bassa, medio-bassa
- bassa, medio-alta
- bassa, alta

- **The institutional and regulatory framework**

- **Systemic actions on a broad territorial scale**

- **Systemic actions on the urban scale**

- **Systemic actions on the built heritage**

- **Awareness raising, education and communication**

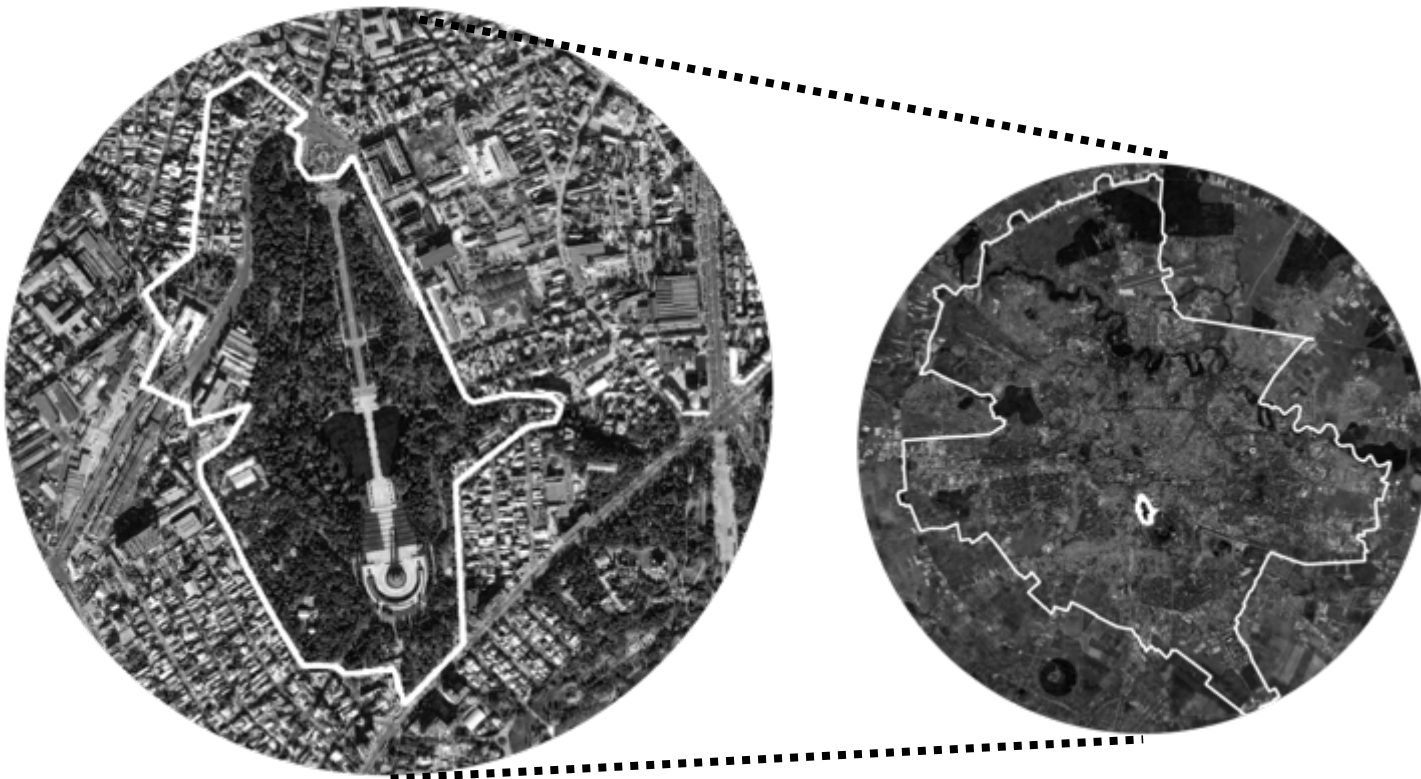


Multiplier pilot landscape: Bucharest (Ro)

Carol Park and the Filaret-Rahova neighborhood

(Protected Area nr. 63)

(Third party: EURODITE & URBASOFIA)



Towards the LACAP

Contribution related to a future project for the definition of
a Landscape Adaptation Plan to Climate Change

workshops

Bucharest
1st workshop

OUTPUT 8

Networks

OUTPUT 4

Multiplier Landscape
Bucharest

Local Regional Administration

Sergiu Cruceanu
Ministry of Environment & Climate Change

Institutions / Associations

Irina Leca
National Institute, Arche

Private sector and companies

★ Joep de Roo, Cristiana Stoian
EURCDITE

Cornel Lazar and Alexandru Tanarescu,
Hesper company

Miruna Draghia and Emilia Budau
Urbasofia (urban planning company)

Societal Group

Marta Tanase
Let's do it Romania NGO

Alexandru Mexi, Anca Burcus
Fundatia Smetria NGO, PhD student

Lavinia Andrei
Terra Mileniului

Julia Laura Vasile
Architect, citizen

Miruna Trica,
Carol Park Area NGOs

Foundations / Research institutes

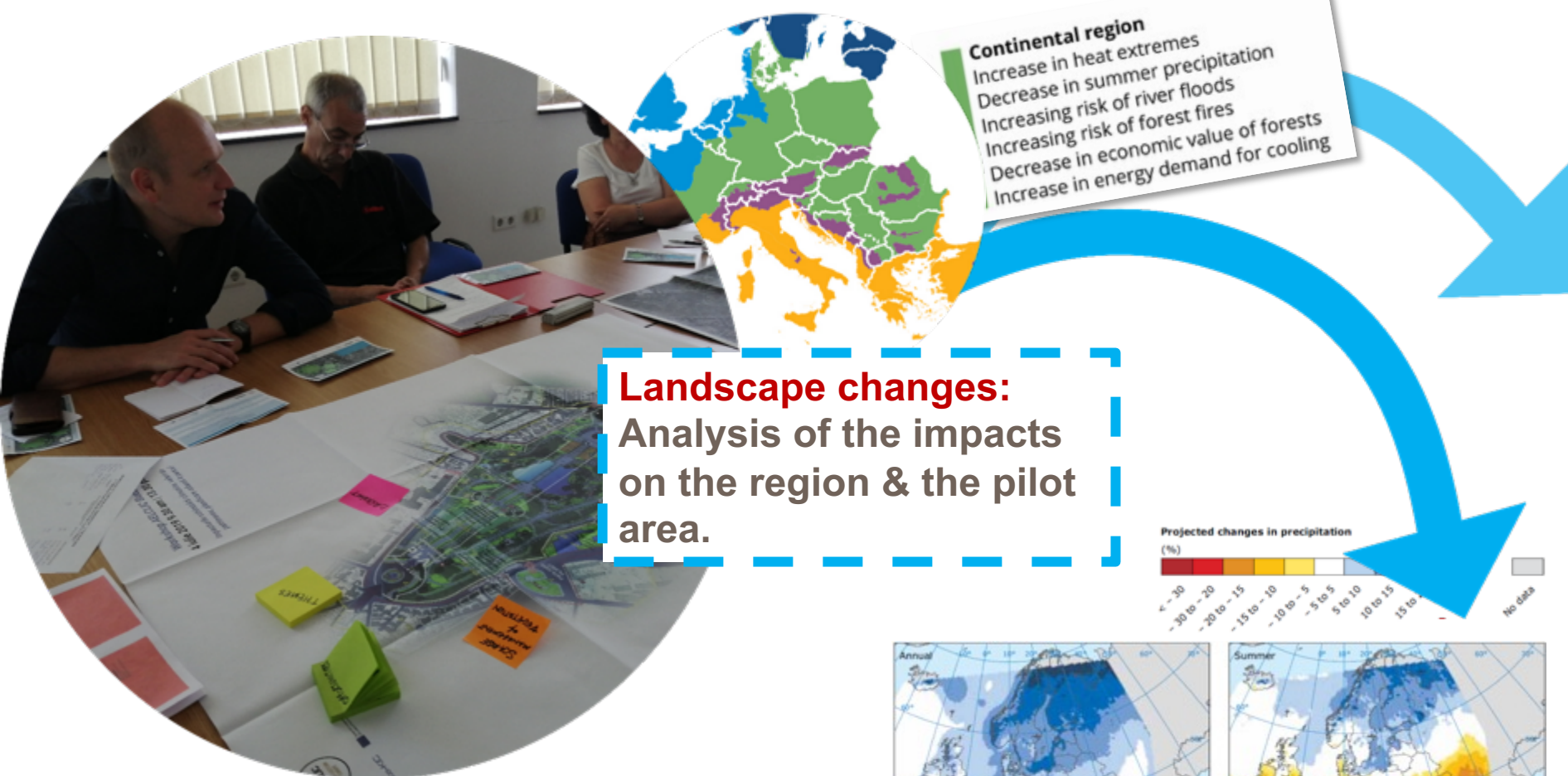
Adelina Stanoiu
Physics Institute

Sorin Marin
National Astronomical Institute

Bucharest_04.07.2019

1st workshop impact diagnosis

11 participants

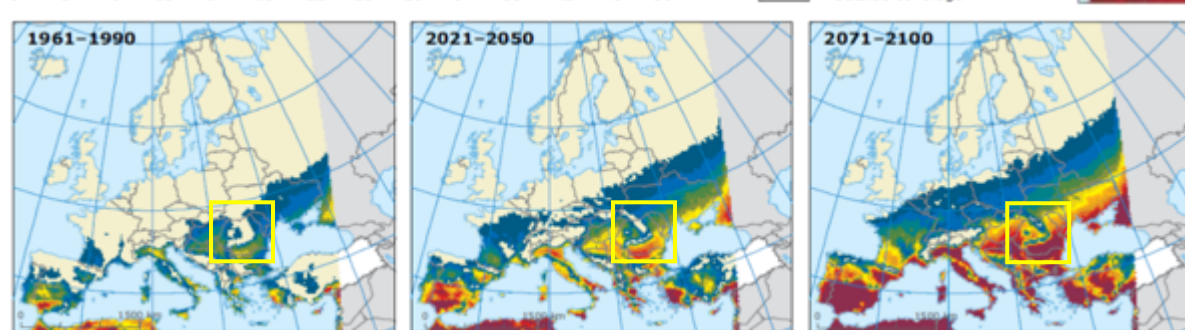
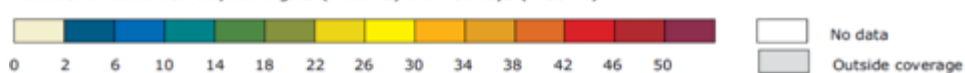


IMPACT diagnosis

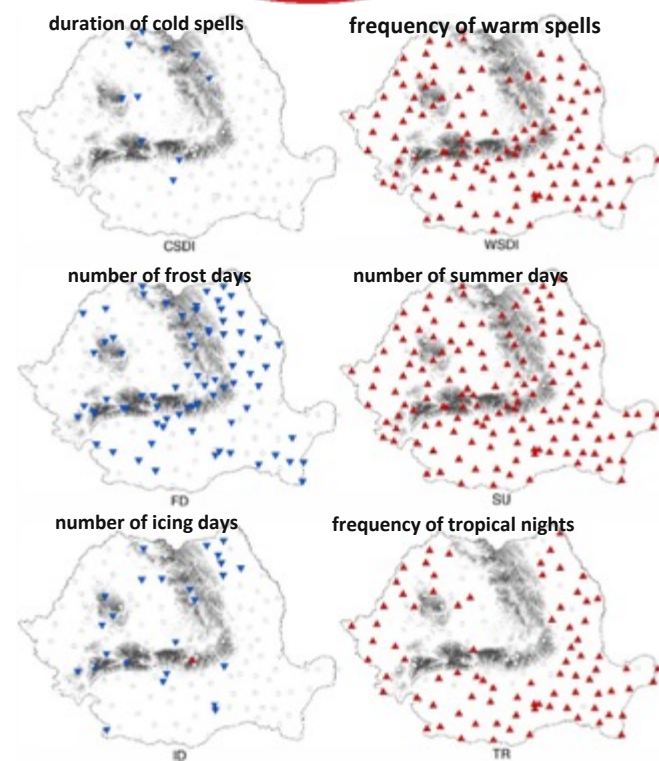
- Heat waves;
- Increased temperatures;
- Extreme events;
- Air Pollution;
- Water scarcity;
- Seasons change & loss of seasonality;
- Tropicalization
- Soil impermeability
- Loss of Fauna;
- Birds proliferation

Projections of extreme high temperatures

Number of combined tropical nights (> 20 °C) and hot days (> 35 °C)



Projected changes in annual (left) and summer (right) precipitation (%) between 1961-1990 and 2071-2100





Topics and Strategies



OBJECTIVES OF THE LACAP

- Raise awareness activities;
- Promote the natural heritage values protection;
- Provide actions to make ecosystem in balance;
- Improving alternative and sustainable mobility in the city;
- Foster the soft mobility & creation of network of public spaces;
- Foster the integration of renewable energy solutions in the city
- Foster the energy efficiency of the built heritage;
- Create green roof demonstrator projects in the neighborhood;
- Improve the attractiveness of the Park;
- Turn the Carol Park into a flagship hub of innovation in the climate change and sustainability domains
- Retention solutions for water;
- Storytelling to improve the park sensory perception;
- Monitoring the quality of air, the vegetation status, social uses and perception , ...;
- Connection with spatial and landscape planning tools
- Involvement of the municipality of Bucharest/a municipality district in the network.

KEY TOPICS

Maintenance of the park & the neighborhood public spaces network; Water management; Restore/improve permeability of soils; long term plan for vegetation in the Park and in the neighborhood; restore the ecosystem's balance; Regen the industrial heritage; Manage extreme events as flooding; need to rethink mobility in order to reduce pollution and traffic; Improve tourism

Towards the agreement

Potential contribution related to a future project for the definition of a Landscape Adaptation Plan to Climate Change

The main potential contributions can be summarized as follows:

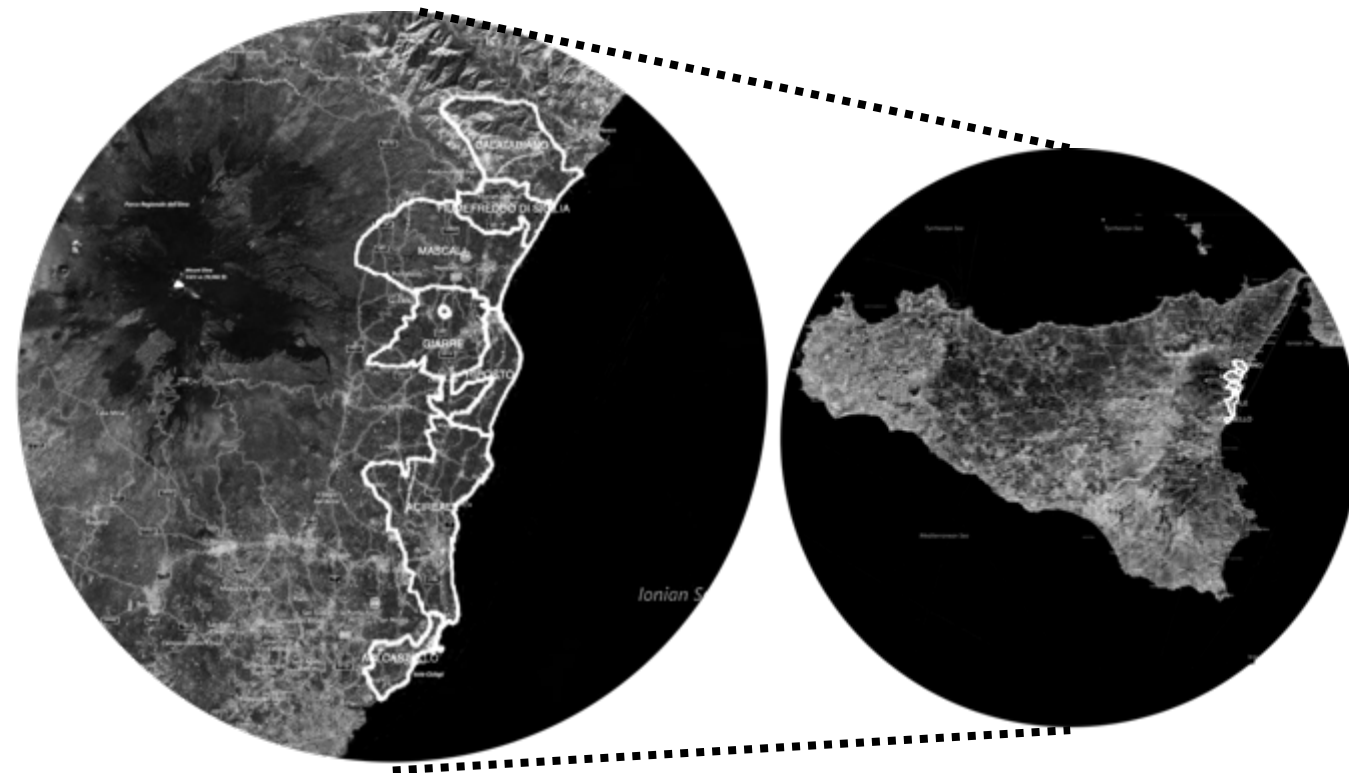
- Data and knowledge, raising awareness and dissemination;
- Study of impacts on the energy front, knowledge about solar cells, demonstrator activities;
- knowledge on built heritage and especially on industrial heritage and architecture;
- heritage studies, activation of heritage buildings, linking partners (ICOMOS) for trying to get grants; Cultural tours; community activation;
- Community awareness; networking with local actors;
- information about vegetation, creation of a green registry, create a ASoP – map for green management; provide volunteers to manage the park;
- Collecting data about the uses and activities of the park;
- knowledge on technical climate change measures;
- Networking and involving other actors to build a strong network and also for potential regeneration projects;
- Promoting internal/external awareness and dissemination through the own business, financial and entrepreneurial network.
- Write proposals, documents, drawings

Multiplier pilot landscape: Sicily (IT)

Southeastern part of the Etna landscapes

(Municipalities of Acicastello, Acireale, Giarre, Riposto, Mascali, Fiumefreddo, Calatabiano)

(Third party: Piante Faro)



Towards the LACAP

Contribution related to a future project for the definition of a Landscape Adaptation Plan to Climate Change

Multiplier Landscape
Etna Landscapes

University of Bologna
Networks
OUTPUT 4

Etna landscapes_19.07.2019
1st workshop impact diagnosis
10 participants

Local Regional Administration

- ★ A. Raciti, M. Cannavò, C. Mirabella
Regione Sicilia, Assessorato Cultura
- Barbara Mirabella
Assessorato Cultura Comune di Catania
- Lara Riguccio
Ecologia e Ambiente Comune di Catania

Institutions / Associations

- ★ Ignazio Lubri Arch. Sicilia
- Coldiretti Sicilia
- Antonella Mandalà FAI Catania
- Sandro Di Bella and Alfredo Tamburino
Legambiente Catania;
- Antonia Mondello Italia Nostra Messina
- Gian Pietro Giusso Orto Botanico di Catania

Private sector and companies

- Virginia Borghese
Giardino di Villa Borghese;
Giardino della Kolimbetra;
- Francesco Ferreri Connefugata;
- ★ Michele Germanà
Agenzia per il Mediterraneo;
Le stanze In fiore;

Societal Group

- ★ Giovanna Cosentino, M. Carmela Vagliasindi
Etna Garden Club;
- Ilde Tomassetti Flora Bombarda Garden Club;
- Luca Recupero
Associazione Musicale Etna
- Fondazione Pura
- ★ Giusi Monti, Sergio Cumitini
Fondazione Radice Pura
- ★ Fondazione Piccolo di Calanovella



Allarme alluvione a Catania, incredibile a Riposto: 200mm di pioggia nelle ultime 24 ore!

A cura di *Peppe Caridi* 4 Ottobre 2014 - 11:12

Mi piace 226,326

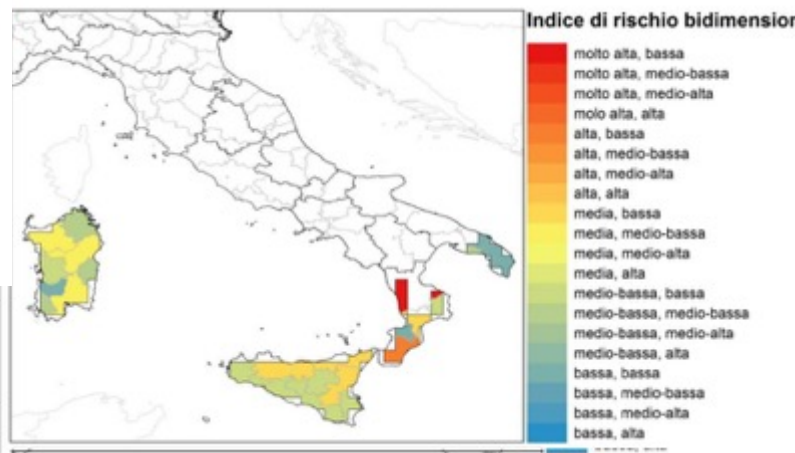


Landscape changes: Analysis of the impacts on the region & the pilot area

Landscape adaptation. Topics and Strategies.



Indice		Macerata, Novara	Rieti, Frosinone, Catanzaro, Messina, Foggia, Caserta	Catania, Palermo, Cosenza
3 Media	Trento, Pisa, Padova, Modena	Forlì-Cesena, Bergamo, L'Aquila, Pavia, Pistoia, Verona, Savona, Ferrara, Genova, Lucca, Reggio nell'Emilia, Alessandria, Piacenza, Terni		
4 Medio-alta	Parma, Bologna, Firenze, Siena	Brescia, Torino, Arezzo, Grosseto		Reggio di Calabria
5 Alta	Roma	Cuneo, Perugia	Salerno, Potenza	



KEY TOPICS

Increased temperatures;
Heat waves;
Desertification;
Climate tropicalization
Extreme events;
Flooding;
Hydrogeological instability;

Land abandonment;
Policy integration; New models of governance; Financial incentives and new regulatory system; Reuse strategies; Circular Economy; Link with production chains; Recovery of traditional trades & knowledge; Care and protection of the territory; interventions on the green in urban areas; Renewable energies; Water Use and management; Sustainable waste management; avoid soil consumption & impermeabilization; Agriculture as a testing laboratory of adaptation techniques; Tourism promotion; Communication and sensibilization of the citizenship.



DRAFT CONTENTS OF THE LACAP

- The institutional and regulatory framework
 - Role of authorities responsible for territorial governance and landscape protection.
 - Promote new governance models.
 - Integration and complementarity with existing urban planning instruments and sector plans and land management tools.
 - Updating existing plans and instruments.
- Systemic actions on a broad territorial scale
 - Use Agriculture for experimenting innovative solutions of adaptation
 - Improving the link between supply chains & landscape.
 - Promote a conscious & sustainable water management
 - Promote sustainable land use
 - Strengthening the connection between the coastal and inner areas
- Systemic actions on the urban scale
 - Work on public space to increase resilience
 - Improving the mobility
- Systemic actions on the built heritage
 - Increasing the use of energy from renewable sources.
 - Promoting targeted actions on the built heritage.
- Awareness raising, education and communication.



Towards the agreement

Potential contribution related to a future project for the definition of a Landscape Adaptation Plan to Climate Change

- Data and knowledge, raising awareness and dissemination;
- Study of impacts on the energy front, knowledge about solar cells, demonstrator activities;
- Knowledge on built heritage and especially on industrial heritage and architecture;
- Heritage studies, activation of heritage buildings, linking partners (ICOMOS) for trying to get grants; Cultural tours; community activation;
- Community awareness; networking with local actors;
- Information about vegetation, creation of a green registry, create a ASoP – map for green management; provide volunteers to manage the park;
- Collecting data about the uses and activities of the park;
- Knowledge on technical climate change measures;
- Networking and involving other actors to build a strong network and also for potential regeneration projects;
- Promoting internal/external awareness and dissemination through the own business, financial and entrepreneurial network.
- Write proposals, documents, drawings



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Gazzetta di Mantova
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European Projects
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OPENDISTAL
5 GIUGNO 2019

AELCLIC
Bucharest Workshop
4 JULY 2019

IL PAESAGGIO AL CENTRO
10^{to} LOTTO
11^{bre}

JONES
CREPON
RUISANCHEZ

TORRES TUR
VIADER

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La gestione del territorio rurale tra opportunità e rischi: ecological networks e impatti ambientali
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