AELCLIC PATHFINDER

HUERTA DE VALENCIA-ALBORAYA PILOT LANDSCAPE

AELCLIC WP4. SOUTH-WESTERN EUROPE

HUERTA DE VALENCIA-ALBORAYA PILOT LANDSCAPE

PROJECT LAUNCH
INTRODUCTION

AELCLIC (Adaptation of European Landscapes to Climate Change).

The Pilot area of La Huerta de Valencia has been selected as one of the 16 European landscapes of the AELCLIC-Pathfinder project.

Highly sensitive Mediterranean agricultural area, exceptional environmental and cultural values, transnational character and deep connection between local economy and mankind landscape.

Work Package (WP4), implementation in SOUTH-WESTERN EUROPE, coordinated by Universitat Politècnica de València and Las Naves/Ayuntamiento de Valencia:

- Huerta de Valencia-Alboraya landscape (leading pilot project)
- Northern Tenerife landscape (Landscape Observatory of the Canary Islands)
- Inland landscape in Cataluña (Penedés, Landscape Observatory of Catalonia)
- Vila do Conde coastal landscape (Portugal, Oporto University).
GOAL

To define and test models for the configuration of regional/local consortia with the social, financial, administrative and technical capacity to co-define Landscape Adaptation Plans to Climate Change (LACAP)

Those plans would include regional/local policies, strategies, pilot actions and initiatives to promote Climate Change adaptation.

OUTCOME

The final outcome of the AELCLIC-PATHFINDER would be a group 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.
AELCLIC_P AthFinder
HUERTA DE VALENCIA - ALBORAIA

PARTNERS: WAGENINGEN UNIVERSITY + PROVINCE OF ZUID-HOLLAND
LEADING PILOT LANDSCAPE: LOWLAND PEAT AND POLDER LANDSCAPE OF HOLLAND
REGIONAL THIRD PARTNER: LANDSCAPE OBSERVATORY OF THE NETHERLANDS

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

PARTNERS: UNIVERSITY OF BOLOGNA + CITY OF BOLOGNA + FONDAZIONE PER L’INNOVAZIONE URBANA
LEADING PILOT LANDSCAPE: FRINGE AREAS OF BOLOGNA
MULTIPLIER PILOT LANDSCAPE: HYYPÄNJOKI CULTURAL LANDSCAPE (FI)
REGIONAL THIRD PARTY: LANDSCAPE OBSERVATORY OF FINLAND
MULTIPLIER PILOT LANDSCAPE: TONDER MARSHLANDS (DK)
REGIONAL THIRD PARTY: NATIONAL UNIVERSITY OF IRELAND - GALWAY
MULTIPLIER PILOT LANDSCAPE: BERTRA BEACH DUNE SYSTEM, COUNTY MAYO (IR)
REGIONAL THIRD PARTY: UNIVERSITY OF PORTO
MULTIPLIER PILOT LANDSCAPE: PRIORAT or PENEDES REGION (ES)
REGIONAL THIRD PARTY: LANDSCAPE OBSERVATORY OF CATALONIA
MULTIPLIER PILOT LANDSCAPE: MOUNT SAINT MICHEL (FR)
MULTIPLIER PILOT LANDSCAPE: MER DE GLACE AND ALPINE GLACIERS (FR)
MULTIPLIER PILOT LANDSCAPE: TOWN AND VALLEY OF IVREA (IT)
REGIONAL THIRD PARTY: UNIVERSITÀ IUAV DI VENEZIA
MULTIPLIER PILOT LANDSCAPE: VILA DO CONDE COASTAL LANDSCAPE (PT)
REGIONAL THIRD PARTY: UNIVERSITY OF PORTO
MULTIPLIER PILOT LANDSCAPE: TOURISTIC ZONES OF NORTHERN TENERIFE (ES)
REGIONAL THIRD PARTY: LANDSCAPE OBSERVATORY OF CANARIAS
MULTIPLIER PILOT LANDSCAPE: URBAN FRINGE BUCHAREST
REGIONAL THIRD PARTY: EURODITE_BUCHAREST (RO)

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

After a map by the European Commission
Regional Third Party: Landscape Observatory of the European Union

Biogeographical regions of the European Union
- Boreal
- Atlantic
- Continental
- Alpine
- Pannonian
- Mediterranean
- Macaronesian
- Steppic
- Black Sea

PARTNERS: AALTO UNIVERSITY + CITY OF HELSINKI
LEADING PILOT LANDSCAPE: SITE IN THE METROPOLITAN AREA OF HELSINKI (PIHLAJA/KISKI DISTRICT)
MULTIPLIER PILOT LANDSCAPE: TORNIO RIVER VALLEY (FI-SE)
REGIONAL THIRD PARTY: LANDSCAPE OBSERVATORY OF FINLAND
MULTIPLIER PILOT LANDSCAPE: BERTRA BEACH DUNE SYSTEM, COUNTY MAYO (IR)
REGIONAL THIRD PARTY: NATIONAL UNIVERSITY OF IRELAND - GALWAY
MULTIPLIER PILOT LANDSCAPE: MOUNT SAINT MICHEL (FR)
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REGIONAL THIRD PARTY: LANDSCAPE OBSERVATORY OF CANARIAS
MULTIPLIER PILOT LANDSCAPE: URBAN FRINGE BUCHAREST
REGIONAL THIRD PARTY: EURODITE_BUCHAREST (RO)
LOCATION

Landscape Unit number 9 (Huerta de Alboraya) defined in the Huerta de Valencia territorial action plan, according to the coordination and common interest shown by Valencia and Alboraya municipalities.
EXPECTED OUTCOMES

By the end of the AELCLIC_pathfinder project, the Pilot area of La Huerta de Valencia will have:

- **A diagnosis of Climate Change impacts** in the local economy, ways of living, environment, cultural heritage and levels of wellbeing (co-identification of impacts by all the stakeholders on the base of existing national or regional reports and studies).

- **A CO-DEFINED document with the GOALS, STRUCTURE and MAIN CONTENTS** that a future “Landscape Adaptation Plan to Climate Change” should have (agreed collectively by all the stakeholders).

- **A Joint LETTER of COMMITMENT** in which all the members of the Local Network (Consortium) will express their willingness to advance in the future preparation of a local Landscape Adaptation Plan to Climate Change.

For the purposes of this Project, landscape is understood as the system or vehicle that makes it posible to integrate the different socio-cultural, environmental and economic factors that act on the land.
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.

AELCLIC-PATHFINDER is mainly aimed at regional/local administrations, civil society groups and economic actors, whose work would be supported by academic-research institutions.
PRESENTATION

- RATIONALE
- GOAL
- OUTCOMES & USERS

- MAP PILOT LANDSCAPES
- WORK PACKAGES
  - Short description
- PARTNERS / 3rd PARTIES
  - Logos and links
- TEAM
  - Representatives from partners and 3rd parties (names, links and emails)
- GENERAL CONTACTS

NORTHERN EUROPE

- GENERAL DESCRIPTION
- PARTNERS & 3rd PARTIES
- CONTACT (Coordinator)
- LEADING Pilot Landscape
  - General Description
  - Map and pictures
  - Consortium Members
    (logos, links and contacts)
  - RESULTS:
    - Outcome1 /Deliverable1
    - Outcome2 /Deliverable2
    - Outcome3 /Deliverable3
- MULTIPLIER Pilot Landsc. 1
  - General Description
  - Map and pictures
  - Consortium Members
    (logos, links and contacts)
  - RESULTS:
    - Outcome1 /Deliverable1
    - Outcome2 /Deliverable2
    - Outcome3 /Deliverable3
- MULTIPLIER Pilot Landsc. 2
- MULTIPLIER Pilot Landsc. 3

ATLANTIC - ALPINE EUROPE

- GENERAL DESCRIPTION
- PARTNERS & 3rd PARTIES
- CONTACT (Coordinator)
- LEADING Pilot Landscape
  - General Description
  - Map and pictures
  - Consortium Members
    (logos, links and contacts)
  - RESULTS:
    - Outcome1 /Deliverable1
    - Outcome2 /Deliverable2
    - Outcome3 /Deliverable3
- MULTIPLIER Pilot Landsc. 1
  - General Description
  - Map and pictures
  - Consortium Members
    (logos, links and contacts)
  - RESULTS:
    - Outcome1 /Deliverable1
    - Outcome2 /Deliverable2
    - Outcome3 /Deliverable3
- MULTIPLIER Pilot Landsc. 2
- MULTIPLIER Pilot Landsc. 3

SOUTH WESTERN EUROPE

- GENERAL DESCRIPTION
- PARTNERS & 3rd PARTIES
- CONTACT (Coordinator)
- LEADING Pilot Landscape
  - General Description
  - Map and pictures
  - Consortium Members
    (logos, links and contacts)
  - RESULTS:
    - Outcome1 /Deliverable1
    - Outcome2 /Deliverable2
    - Outcome3 /Deliverable3
- MULTIPLIER Pilot Landsc. 1
  - General Description
  - Map and pictures
  - Consortium Members
    (logos, links and contacts)
  - RESULTS:
    - Outcome1 /Deliverable1
    - Outcome2 /Deliverable2
    - Outcome3 /Deliverable3
- MULTIPLIER Pilot Landsc. 2
- MULTIPLIER Pilot Landsc. 3

SOUTH EASTERN EUROPE

- GENERAL DESCRIPTION
- PARTNERS & 3rd PARTIES
- CONTACT (Coordinator)
- LEADING Pilot Landscape
  - General Description
  - Map and pictures
  - Consortium Members
    (logos, links and contacts)
  - RESULTS:
    - Outcome1 /Deliverable1
    - Outcome2 /Deliverable2
    - Outcome3 /Deliverable3
- MULTIPLIER Pilot Landsc. 1
  - General Description
  - Map and pictures
  - Consortium Members
    (logos, links and contacts)
  - RESULTS:
    - Outcome1 /Deliverable1
    - Outcome2 /Deliverable2
    - Outcome3 /Deliverable3
- MULTIPLIER Pilot Landsc. 2
- MULTIPLIER Pilot Landsc. 3

RESULTS

- PARTIAL DELIVERABLES:
  - Σ Deliverables1
  - Σ Deliverables2
  - Σ Deliverables3

SUMMARY of PARTIAL DELIVERABLES

FINDINGS & GUIDELINES

DRAFT OF SCIENTIFIC ARTICLE 1

DRAFT OF SCIENTIFIC ARTICLE 2

LETTERS OF COMMITMENT FROM THE MEMBERS OF EACH CONSORTIUM

https://aelclicpathfinder.com/
WORKPLAN. IDENTIFICATION OF STAKEHOLDERS AND LANDSCAPES FOR THE AELCLIC PROJECT.
PHASE 1_preparation (4.2019).

PHASE 2_implementation

SUB-PHASE 2.1. Setting the local Consortium and co-defining a workplan (5.2019).

SUB-PHASE 2.2. Drafting the contents of a local Landscape Adaptation Plan to Climate Change:

- PART 2.2.1. Identification by the local Consortium (stakeholders) of the potential impacts of Climate Change in their ways of living, economic activities, environmental and cultural assets (6.2019). \textbf{WORKSHOP 1}.

- PART 2.2.2. Co-defining the contents of a potential LACAP (9.2019). \textbf{WORKSHOP 2}: Co-definition of goals, agendas, contents and economic resources for the potential development of a LACAP. (DEEP DEMONSTRATOR, 50% funding from CLIMATE KIC).

- PART 2.2.3. Final proposal for the contents of a future LACAP and \textit{Memorandum of Understanding / Joint Letter of Commitment}, to address the next demonstrative project (10.2019). \textbf{WORKSHOP 3. AGREEMENT MEETING}.

PHASE 3_Production and preparation of the project results and final reports (11.2019-12.2019)
WORK PLAN. PROPOSAL OF WORKSHOPS METHODS, DURATION AND SCHEDULE

STEP 2.2.2. Co-definition of the content of a Landscape Climate Change Adaptation Plan (9.2019). WORKSHOP 2: Definition of objectives, alignment of agendas, contents and financial resources for the LACAP development, aiming at the subsequent development of a plan (DEEP DEMONSTRATOR, 50% funding by CLIMATE KIC).

Content:
- Presentation of results Workshop 1
- LACAP structure and contents
- Alignment of agendas
- Financial resources for LACAP development

Duration: 3,5 - 4,0 hours
Location: Alboraya City Hall
Date: September 16-20 (afternoon).

STEP 2.2.3. Final proposal of contents of a Landscape Climate Change Adaptation Plan and a declaration of agreement or letter of joint commitment, to address the next demo pilot project (10.2019). WORKSHOP 3. AGREEMENT MEETING.

Content: presentation of previous workshops results, conference, external participation or round table.

Duration: 1,5 - 2,0 hours
Location: Valencia City Hall/Las Naves
Date: October 21-25.
The Pilot Landscape of La Huerta de Valencia has been selected as one of the 16 European landscapes of the AELCLIC-Pathfinder project (Adaptation of European Landscapes to Climate Change) funded by EIT_Climate-KIC (EU).

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

FINAL OUTCOME?: By the end of the AELCLIC_pathfinder project the Pilot area of La Huerta de Valencia will have:

- A diagnosis of Climate Change impacts in the local economy, ways of living, environment, cultural heritage and levels of wellbeing. This diagnosis will be based in the CO-IDENTIFICATION of impacts by all the stakeholders on the base of existing national or regional reports and studies.
- A CO-DEFINED document with the GOALS, STRUCTURE and MAIN CONTENTS that a future Landscape Adaptation Plan to Climate Change should have for the Pilot area of La Huerta de Valencia. This document will be agreed collectively by all the stakeholders.
- A Joint LETTER of COMMITMENT in which all the members of the Local Network (Consortium) will express their willingness to advance in the future preparation of a local Landscape Adaptation Plan to Climate Change.

HOW?: The Pilot landscape of La Huerta de Valencia is included in the SOUTH-WESTERN EUROPE area of the AELCLIC-pathfinder. This area is coordinated by the Polytechnic University of Valencia in collaboration with the City Council of Valencia by LAS NAVES. The participation of local stakeholders will not imply any economic duty. Basically they will be invited to participate in the organization of the following 3 workshops and to disseminate the project through their own channels.

- WORKSHOP 1: (1 day, 17 june 2019): agreement of a work plan for the next sub-phases and workshops; Co-Identification by the local Consortium (stakeholders) of the potential impacts of Climate Change in their ways of living, economic activities, environmental and cultural assets.
- WORKSHOP 2: (1 day, September 2019): Co-definition of goals, agendas, contents and co-identification of potential economic resources for the future development of a LACAP (after the AELCLIC-pathfinder is finished).
- WORKSHOP 3: (1 day, October 2019): Project final outputs presentation of the local network, structure and resources for a potential LACAP (informed by the detected Impacts) and signing of a Memorandum of Understating or Joint Letter of Commitment.
**NEED:** Climate-Change adaptation is highly site specific and requires the definition of frameworks and policies supporting, guiding and coordinating vertical and horizontal initiatives. These policies and initiatives are more effective and implementable when they are the result of the collaboration of social, governmental, economic, and academic partners. However, there is a need to advance in the creation of regional/local models to align agendas and visions of the different types of stakeholders involved in the management, adaptation 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 consortia with the social, financial, administrative and technical capacity to co-define Landscape Adaptation Plans to Climate Change (LACAPs hereafter). NOTE: A LACAP would include regional/local policies, strategies, pilot actions and initiatives to promote Climate Change adaptation and would be defined in a joint process between local and regional stakeholder.

**OUTCOME:** The final outcome of the AELCLIC-PATHFINDER would be a group of regional/local Consortia in a strategically selected set of 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 been defined as a result of the AELCLIC-PATHFINDER. They will be ready and will have the economic sustainability to move on to the definition of their own LACAPs. Secondly, other regions and municipalities will be able to benefit from the produced models and adapt them to their own conditions. In terms of type of users, the AELCLIC-PATHFINDER is mainly aimed at regional/local administrations, civil society groups and economic actors, whose work would be supported by academic-research institutions. This aim has guided the selection of partners and third parties in the AELCLIC-PATHFINDER project although the identification and involvement of local economic actors and civil society groups will be mainly implemented during the execution of the project.

**METHOD:** The AELCLIC-PATHFINDER project will include 4 tandems of Universities and Regional/Local Authorities (all CLIMATE-KIC Partners) promoting the development of regional/local Consortia in a set of Leading Pilot Landscapes. The models generated in those Leading Pilot Landscapes will afterwards be tested and adapted in a set of Multiplier Pilot Landscapes with the support of regional/local third parties. In addition, the participation of some European Networks as third parties (UNISCAPE and CIVILSCAPE) will facilitate a critical revision of the transferability/scalability of the models and will provide a wide platform for the dissemination of results and for the identification of potential new stakeholders in regional/local Consortia.
5 WORK PACKAGES and 4 REGIONS:

**WP1: coordination + Web + general dissemination**

- Coordinator of the WP1: Aalto Univ.

**WP2: implementation in NORTHERN EUROPE (1 Leading Pilot (District of Helsinki) + 3 Multiplier Pilots (Tornio river valley (FI-SE), Hyypänjoki cultural landscape (FI) and Tonder marshlands (DK))

- Coordinator of the WP2: Aalto Univ. / Partner for Helsinki: City of Helsinki / 3rd parties: Landscape Observatory of Finland). New governmental, social, economic and academic collaborators will be involved as part of the creation of local networks ( Consortia) in the Pilot Landscapes

**WP3: implementation in ATLANTIC AND ALPINE EUROPE (1 Leading Pilot (Lowland peat and polder landscape of Holland (NL)) + 3 Multiplier Pilots (Bertra beach dune system, county Mayo (IR), Mer de Glace and alpine glaciers (FR), Mount Saint Michel (FR))

- Coordinator of the WP3: Wageningen University/ Partner for the Netherlands: Provincie Zuid-Holland / 3rd parties: National University of Ireland-Galway (for IR), Landscape Observatory of the Netherlands. New governmental, social, economic and academic collaborators will be involved as part of the creation of local networks ( Consortia) in the Pilot Landscapes

**WP4: implementation in SOUTH-WESTERN EUROPE (1 Leading Pilot (Pilot area of the Huerta de Valencia) + 3 Multiplier Pilots (ES, PT))

- Coordinator of the WP4: Polytechnic Univ. of Valencia/ Partner for the Huerta de Valencia: LASNAVES (City of Valencia) / 3rd parties: Landscapes Observatories of Catalonia and the Canary Islands (for ES), University of Porto (for PT). New governmental, social, economic and academic collaborators will be involved as part of the creation of local networks ( Consortia) in the Pilot Landscapes

**WP5: implementation in SOUTH-EASTERN EUROPE (1 Leading Pilot (Urban Fringe areas of Bologna) + 3 Multiplier Pilots (IT, RO))

- Coordinator of the WP5: University of Bologna / Partners for the Fringe areas of Bologna: Comune di Bologna, Fondazione per l’Innovazione Urbana / 3rd parties: EURODITE (for RO), Piante Faro and IUAV (for IT). New governmental, social, economic and academic collaborators will be involved as part of the creation of local networks ( Consortia) in the Pilot Landscapes
WP4: implementation in SOUTH-WESTERN EUROPE (1 Leading Pilot (Pilot area of the Huerta de Valencia) + 3 Multiplier Pilots (ES, PT))

- Coordinator of the WP4: Polytechnic Univ. of Valencia/ Partner for the Huerta de Valencia: LASNAVES (City of Valencia) / 3rd parties: Landscapes Observatories of Catalonia and the Canary Islands (for ES), University of Porto (for PT). New governmental, social, economic and academic collaborators will be involved as part of the creation of local networks ( Consortia) in the Pilot Landscapes

Self organization of each regional team (partners and third parties, national or regional CLIMATE-KIC office, financial controllers, etc.).

• We will contact and communicate by e-mail or skype and mobile if necessary.
• Pilot partners (Las Naves/UPV) propose an initial methodology to reach each project objective, to be discussed and fit to each landscape pilot later.
• Las Naves/UPV will receive outcomes to homogenize information, define common or special conclusions and develop deliverables.
• UPV will manage funds to support the activities within the third landscapes. Las Naves will organize and support project activities in the leader pilot landscape of La Huerta de Valencia.

Selection of final Pilot Landscapes (Leading and Multipliers) and of their boundaries

• Each third parties should select a Pilot landscape and delineate the area related with the stakeholder selection.
• We can work from top-down decision-making process along with stakeholder analysis. (For example, La Huerta the Valencia covers 23,000 hectares, belonging to about 40 municipal districts, so we have to analyze potential areas or municipality districts to select convenient ones).
• Moreover, we have to explore in this process financial opportunities because of stakeholders influence and interest.

Pre-identification of key stakeholders (governmental, economic, academic and social)

• We will apply the stakeholder analysis based on already done public participatory processes (PPP).
• We look for public participatory plans related with landscape planning and governance instruments developed over landscape pilots. We will search potential stakeholder from top to bottom, searching different scales, and develop a character table to describe the principal attributes to be classified. (We already have the Territorial Action Plan for the Protection of La Huerta de Valencia, in which there is a public consultation and participation plan, and recently is coming up a new Agriculture Development Plan of La Huerta, also with a public participation process).
• Other new stakeholders that contribute to cover all the aspects of interest for the AELCLIC project (governmental, economic, academic and social) will be added later.
• We have to prioritize stakeholder by power or influence and interest on AELCLIC project.
WP4: implementation in SOUTH-WESTERN EUROPE (1 Leading Pilot (Pilot area of the Huerta de Valencia) + 3 Multiplier Pilots (ES, PT))

- Coordinator of the WP4: Polytechnic Univ. of Valencia/ Partner for the Huerta de Valencia: LASNAVES (City of Valencia) / 3rd parties: Landscapes Observatories of Catalonia and the Canary Islands (for ES), University of Porto (for PT). New governmental, social, economic and academic collaborators will be involved as part of the creation of local networks (Consortia) in the Pilot Landscapes

Potential connections in each Pilot landscape with existing works and projects related to Climate Change.

- Contact Regional Climate Change Observatories or municipally departments responsible of climate change policies or actions (Fundació Observatori del Canvi Climàtic).
- Check local plans for Climate change mitigation.
- Contact with academic or research groups (Universities, Cátedra del Cambio Climático/UPV; researching institutes, so on... )
- Check foundations or private organizations supporting Climate Change (financial supports,... )

Gathering of general information about the expected climate change in the Pilot Areas and potential IMPACTS (environmental, social and economic impact). We must accept the limitations of our project and the need of using existing information and of applying high levels of extrapolation.

- Check webs of Climate Change related organizations.
- Check scientific information about local Climate Change Impact (Research projects, papers,...)

Formulation of strategies and ideas to increase the IMPACT of our local work and the final outcomes.

- Develop local workshops/online surveys with principals stakeholders to check our diagnostic outcomes and conclusions to know the problem of Climate Change perception and opinion about LACPs instruments.
**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)

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<th>WP2: Implementation Northern Europe</th>
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<td>RESPONSIBLE: Aalto University</td>
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<td>TASKS: Definition of models and Consortia in the Finnish, Danish (and Swedish) Pilot Landscapes.</td>
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<td>BUDGET: 25,500 € + 25% Co-funded by Aalto University (6,375 €) = <strong>31,875 €</strong></td>
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<th>WP3: Implementation Atlantic-Alpine Europe</th>
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<td>RESPONSIBLE: Wageningen University</td>
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<td>TASKS: Definition of models and Consortia in the Dutch, Irish and French Pilot Landscapes.</td>
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<tr>
<td>BUDGET: 29,500 € + 25% Co-funded by University of Wageningen (7,375 €) = <strong>36,875 €</strong></td>
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<th>WP4: Implementation South-Western Europe</th>
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<td>RESPONSIBLE: Polytechnic University of Valencia</td>
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<td>TASKS: Definition of models and Consortia in the Spanish and Portuguese Pilot Landscapes.</td>
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<td>BUDGET: 16,000 € + 25% Co-funded by Polytechnic University of Valencia (4,000 €) = <strong>20,000 €</strong></td>
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<th>WP5: Implementation South-Eastern Europe</th>
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<td>RESPONSIBLE: University of Bologna</td>
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<td>TASKS: Definition of models and Consortia in the Italian and Romanian Pilot Landscapes.</td>
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<td>BUDGET: 17,500 € + 25% Co-funded by University of Bologna (4,375 €) = <strong>21,875 €</strong></td>
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**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:
    - TORNO RIVER VALLEY (FI-SE)
    - HYPAAPIORE CULTURAL LANDSCAPE (FI)
    - TONDER MARSHLANDS (DK)

**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)
    - MER DE GLACE AND ALPINE GLACIERS (FR)
    - MOUNT SAINT MICHEL (FR)

**THIRD PARTIES:**
- Landscape Observatory of Catalonia (ES)
- Landscape Observatory of the Canary Islands (ES)
- University of Porto (PT)
- 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:
    - PRIORAT or PENEDES REGION (ES)
    - TOURISTIC ZONES OF NORTHERN TENERIFE (ES)
    - VILA DO CONDE COASTAL LANDSCAPE (PT)

**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:
    - URBAN FRINGE AREAS OF BUCHAREST (RO)
    - TOWN AND VALLEY OF SVRA (IT)
    - AGRICULTURAL LANDSCAPES IN THE SICILY REGION (IT)
IMPLEMENTATION OF THE PROJECT (WP1, 2, 3, 4, 5)

**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
AELCLIC Workshop 1 Huerta Valencia-Alboraya
Climate Scenarios
17 June 2019
Climate scenarios

• Introduction
• Expected changes in the global and regional climate
• Expected changes in the Huerta
• Conclusions
1. Introduction
Observed changes in the landscape

Vuelo americano (1956)

https://visor.gva.es/visor/
Observed changes in the landscape

PNOA (2018)

https://visor.gva.es/visor/
Observed changes in the climate (national)

https://elpais.com/sociedad/2019/03/26/actualidad/1553589208_642410.html
Observed changes in the climate (local)

Climatic characterization of monthly temperatures since 1991, in relation to the reference period 1981-2010

http://www.aemet.es/es/noticias/2019/03/Efectos_del_cambio_climatico_en_espanha
Observed changes in sea level (local)

Trend: 0.27 cm/year
Observed changes (global)


2. Expected changes in the global and regional climate
We can’t know how much is going to be emitted...

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**Reino Unido se compromete a reducir al máximo las emisiones de gases de efecto invernadero de cara a 2050**

LONDRES, 12 Jun. (Reuters/EP) -

Las autoridades de Reino Unido se han comprometido este martes a reducir al máximo las emisiones de gases de efecto invernadero en un intento por lograr cero emisiones netas de cara a 2050, lo que lo convierte en el primer país del G-7 en establecer este objetivo.


**COMUNICADO DE PRENSA**

La reducción de los costes de la energía renovable abre la puerta a una mayor ambición climática

Un nuevo informe de IRENA sobre los costes de la energía renovable reafirma este tipo de energía como solución económica para impulsar la acción por el clima a escala mundial

By 2020, onshore wind and solar PV will be a less expensive source of new electricity than the cheapest fossil fuel alternative.

---

**Elecciones presidenciales de Estados Unidos de 2020**

- 538 miembros del Colegio Electoral
- 270 votos electorales necesarios para ganar
- Martes 3 de noviembre de 2020
- Presidencial


**IRENA**

[https://www.irena.org/newsroom/pressreleases/2019/May/Falling-Renewable-Power-Costs-Open-Door-to-Greater-Climate-Ambition](https://www.irena.org/newsroom/pressreleases/2019/May/Falling-Renewable-Power-Costs-Open-Door-to-Greater-Climate-Ambition)
... but we can make assumptions

**RCP Scenarios:** Four different representative concentration pathways of greenhouse gases.


Global climate scenarios


Regional climate scenarios

Source: EURO-CORDEX

3. Expected changes in the Huerta
Climate change effects on agriculture

- Pests and diseases
- Sea level
- Rainfall
- Temperature
- Irrigation water requirements and availability
- Atmospheric $[\text{CO}_2]\$
- Tropospheric $[\text{O}_3]$
Variations in minimum temperature

Moderate emissions (RCP 4.5)
Short term (2011-2040)

High emissions (RCP 8.5)
Short term (2011-2040)

Data source: [http://escenarios.adaptecca.es](http://escenarios.adaptecca.es)
Variations in minimum temperature

Moderate emissions (RCP 4.5)
Medium term (2041-2070)

High emissions (RCP 8.5)
Medium term (2041-2070)

Data source: http://escenarios.adaptecca.es
Variations in minimum temperature

**Moderate emissions (RCP 4.5)**
Long term (2071-2100)

**High emissions (RCP 8.5)**
Long term (2071-2100)

Data source: [http://escenarios.adaptecca.es](http://escenarios.adaptecca.es)
## Huerta climate scenarios

### Main findings

<table>
<thead>
<tr>
<th>Temperature</th>
<th>Increases in every scenario and season</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Higher increases in summer and autumn ( &gt; 4ºC)</td>
</tr>
<tr>
<td></td>
<td>Lower risk of frost in winter</td>
</tr>
<tr>
<td></td>
<td>Higher number of days when T_{min} &gt; 20ºC, mainly in summer (up to &gt; 40 days) and autumn</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Rain</th>
<th>High variability among models</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Trend towards reduction (rainfall and number of rainy days)</td>
</tr>
<tr>
<td></td>
<td>Higher reduction of rainfall in autumn, higher certainty in summer</td>
</tr>
<tr>
<td></td>
<td>Higher reduction of rainy days in spring, higher certainty in summer</td>
</tr>
</tbody>
</table>
Variations in river flows

SWICCA (Service for Water Indicators in Climate Change Adaptation)
http://swicca.eu/climate-graphs-and-downloads/
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http://swicca.eu/climate-graphs-and-downloads/
Subida del nivel del mar

Global Temperature Rise 0.0 °C (Climate Central)
Multi-century Sea Level Increase: -0.0m

https://earthtime.org/explore
Subida del nivel del mar

Global Temperature Rise 0.0 °C (Climate Central)
Multi-century Sea Level Increase: -0.0m

https://earthtime.org/explore
https://ss2.climatecentral.org
4. Conclusions
Conclusions

• Climate change should be taken into account in deciding the future of the Huerta

• The Huerta will be warmer, water availability will decrease, and sea level rise is a key threat in the longer term

• Given the project scope, we have little influence in the magnitude of change in the Huerta climate, but much influence on how we respond to that change
¡Thank you for your attention!
AELCLIC PROJECT LAUNCH

WORKSHOP 1. PILOT LANDSCAPE HUERTA DE VALENCIA-ALBORAYA

OBJECTIVES

- Launch of the AELCLIC Pathfinder initiative within EIT-Climate-Kic.
- Creation of the local network for the Pilot Landscape Huerta de Valencia-Alboraya.
- Diagnosis and co-identification of Climate Change impacts and opportunities in the local economy, ways of living, environment, cultural heritage and levels of wellbeing.
- Defining a work agenda towards a Landscape Adaptation Plan to Climate Change with a second AELCLIC Workshop.
**SCHEDULE**

- 16:00-16:05. Welcome and presentation.
- 16:05-16:25. Introduction to EIT-CLIMATE-KIC Spain (Valencia)
- 16:25-16:40. Introduction to the AELCLIC project.
- 16:55-17:15. Coffee break
- 17:15-19:00. Workshop presentation and organization:
  - Identification of the Huerta de Valencia-Alboraya core values.
  - Identification of climate change effects on the Huerta de Valencia-Alboraya landscape.
  - Brainstorming about possible solutions to the identified effects.
Methodology AELCLIC Workshop 1

DURATION: approx. 2 hours
Schedule → 17:15-19:00 (105 min)

Workshop objectives:
1. Identification of the Huerta de Valencia-Alboraya core values.
2. Identification of climate change effects or impacts on the Huerta de Valencia-Alboraya landscape
3. Identification of opportunities for dealing with the identified effects and also potential obstacles to those opportunities

Methodology:
A single working group will be established. Stakeholders will be working individually, but dialogue and debated between the participants will be encouraged.
<table>
<thead>
<tr>
<th>Duration</th>
<th>Activity 1</th>
</tr>
</thead>
<tbody>
<tr>
<td>5 min</td>
<td>Workshop presentation</td>
</tr>
</tbody>
</table>
| 15 min   | **Identification of the Huerta de Valencia-Alboraya core values.**<br>Each person will write the Huerta core values according to their own personal or organizational perspective.  

Which are the values that better represent the Huerta de Valencia-Alboraya?  

The flipchart will be divided in the following areas:<br>- Environmental  
- Social  
- Cultural  
- Economic  
- Other |
<p>| 5 min    | <strong>Results discussion.</strong> |</p>
<table>
<thead>
<tr>
<th>DURATION</th>
<th>ACTIVITY 2</th>
</tr>
</thead>
</table>
| 20 min    | Identification of CC effects or impacts on the Huerta de Valencia-Alboraya. Which are the CC effects on the Huerta de Valencia-Alboraya?  
Individual work, or on spontaneously formed small. Will be related to the previous classification of underlying causes:  
- Temperature  
- Rainfall  
- Sea level rise  
- Other  
Other potential causes identified by the participants would be added too. |
<p>| 15 min    | Identified effects are discussed by the group, regrouped and agreed consensually. |</p>
<table>
<thead>
<tr>
<th>DURATION</th>
<th>ACTIVITY 3</th>
</tr>
</thead>
</table>
| 20 min   | **Identification of opportunities for resolution of the identified CC effects.**  
*Which are the potential answers to the identified CC effects?*  
*Which are the threats or weaknesses which could prevent the implementation of those opportunities for resolution?* |
| 15 min   | **Group discussion of results.** |
WORK PLAN. AELCLIC PROJECT IDENTIFICATION OF STAKEHOLDERS AND LANDSCAPES
**Work plan. Stages and contents.**

**PHASE 1** preparation (4.2019).

**PHASE 2** implementation

SUB-PHASE 2.1. **Creation of a local network** and co-definition of a **work plan** (5.2019).

SUB-PHASE 2.2. Content proposal for a local **Landscape Climate Change Adaptation Plan:**

– PART 2.2.1. **Identification of climate change effects,** by relevant stakeholders, on the economic, environmental and socio-cultural activities (6.2019). **WORKSHOP 1.**

– PART 2.2.2. Co-definition of the content of a **Landscape Climate Change Adaptation Plan** (9.2019). **WORKSHOP 2:** Definition of objectives, alignment of agendas, contents and financial resources for the LACAP development, aiming at the subsequent development of a plan (DEEP DEMONSTRATOR, 50% funding by CLIMATE KIC).

– PART 2.2.3. Final proposal of contents of a Landscape Climate Change Adaptation Plan and a **declaration of agreement or letter of joint commitment**, to address the next demo pilot project (10.2019). **WORKSHOP 3. AGREEMENT MEETING.**

**PHASE 3.** Production and preparation of the project results and final reports (11.2019-12.2019)
WORK PLAN. PROPOSAL OF WORKSHOPS METHODS, DURATION AND SCHEDULE

STEP 2.2.2. Co-definition of the content of a Landscape Climate Change Adaptation Plan (9.2019). WORKSHOP 2: Definition of objectives, alignment of agendas, contents and financial resources for the LACAP development, aiming at the subsequent development of a plan (DEEP DEMONSTRATOR, 50% funding by CLIMATE KIC).

Content:
• Presentation of results Workshop 1
• LACAP structure and contents
• Alignment of agendas
• Financial resources for LACAP development

Duration: 3.5 - 4.0 hours
Location: Alboraya City Hall
Date: September 16-20 (afternoon).

STEP 2.2.3. Final proposal of contents of a Landscape Climate Change Adaptation Plan and a declaration of agreement or letter of joint commitment, to address the next demo pilot project (10.2019). WORKSHOP 3. AGREEMENT MEETING.

Content: presentation of previous workshops results, conference, external participation or round table.
Duration: 1.5 - 2.0 hours
Location: Valencia City Hall/Las Naves
Date: October 21-25.