

ACTIVITY: Workshop1\_LA MATA-TORREVIEJA\_PILOT LANDSCAPE

DATE and TIME: 25.9.2019, 16:00-19:00

PLACE: Torre Vieja (Spain), "Virgen del Carmen" Culture Centre

ORGANIZERS:

- Carmen Gómez / Torre Vieja City Council
- Juan Antonio Pujol / Torre Vieja City Council
- Francisco Galiana / Universitat Politècnica de València
- Emilio Servera / Universitat Politècnica de València

PARTICIPANTS:

- Carmen Gómez / Torre Vieja City Council
- Víctor M. Costa / Orihuela City Council
- José Rubio / Torre Vieja City Council
- Carmen Morate / Torre Vieja City Council
- Jesús Sánchez / Empresa Mixta Aguas del Arco Mediterráneo, S.A. (AGAMED)
- Angel Gilí / Acciona Servicios Urbanos
- Manuel J. Pérez / Actúa, Servicios y Medio Ambiente
- Delfina Giménez / Criterio Verde
- Beatriz Almalcha / Torre Vieja Pesca Tradicional
- Adrián Canales / Ocio Mar Torre Vieja
- Vicente Manuel Martínez / Odisea Diving Torre Vieja Sub C.B
- Concepción Torres / SWS

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KEY OBJECTIVES of THE ACTIVITY (expected outcomes):

- Launch of the AELCLIC Pathfinder initiative within EIT-Climate-KIC.
- Creation of the local network for the Torre Vieja Pilot Landscape
- 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.
- Co-identification and co-designation of the pilot landscape area

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AGENDA:

1. Welcome and presentation.
  2. Introduction to the AELCLIC project.
  3. Potential local climate scenarios.  
*Coffee break*
  4. Workshop presentation and organization. Presentation of participants.
  5. TEAMWORK
    - a. TASK 1: Identification of the Torre Vieja Landscape core values.
    - b. TASK 2: Identification of climate change effects on the Torre Vieja Landscape.
    - c. TASK 3: Brainstorming about possible solutions to the identified effects and barriers.
  6. Agenda and workplan proposal for the following Workshop 2. Co-identification and co-designation of the pilot landscape area.
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## 1. WELCOME

- Welcoming words by Carmen Gómez (Torre vieja City Council)

## 2. INTRODUCTION TO THE AELCLIC PROJECT

- Francisco Galiana (UPV) summarizes the goals, expected outcomes and structure of the project, as well as the location and reasons for the selection of the Torre vieja Pilot Landscape. The AELCLIC web page is presented.

### CONCLUSIONS:

- The AELCLIC project is presented as a project with a strong focus on the user needs at each of the 16 selected pilot landscapes
- The main objective of the current project is the definition of a series of strong local networks, in order to co-define the structure and content definition for future Landscape Adaptation Plans to Climate Change (LACAP), which would be developed in a future Demonstrator project

## 3. POTENTIAL LOCAL CLIMATE SCENARIOS

- Emilio Servera (UPV) briefly reviews some existing datasets which already show some observed climate change effects at a regional, national and global level. Global and regional climate change scenarios are then introduced, and the most important expected changes over temperature, rainfall, flood risk and sea level rise in the Torre vieja pilot landscape are presented.

### CONCLUSIONS:

- Climate change effects are already noticeable in Torre vieja
- Climate change should be considered when deciding which should be the future of the Torre vieja landscape
- Torre vieja will be warmer and drier, but flood risk will increase. Very important changes in the landscape will be caused by sea level rise which in principle will unfold more slowly
- At this work scale, the potential influence regarding the magnitude of the climate change that will happen in Torre vieja is very small. However, a local network can be key in establishing the way that the adaptation requirements to such changes are accomplished.

## 4. WORKSHOP PRESENTATION AND ORGANIZATION.

- Francisco Galiana (UPV) presents the workshop structure and work dynamics.

### CONCLUSIONS:

- A single working group was established.
- Stakeholders would work individually, but dialogue and debate between the participants was encouraged.
- Each person will write in sticky notes their contributions to each Task. Notes will be later placed on several flipcharts, divided in several pre-defined areas.
- Repetition of sticky notes with the same or similar texts by different stakeholders was allowed since it would be used as an indicator of the relevance of the topic.

## 5. PRESENTATION OF PARTICIPANTS.

PARTICIPANT	SECTOR	INSTITUTION
Carmen Gómez	LOCAL/REGIONAL AUTHORITY	Ajuntamiento Torre Vieja
Victor M. Costa	LOCAL/REGIONAL AUTHORITY	Ajuntament Orihuela
José Rubio	LOCAL/REGIONAL AUTHORITY	Ajuntamiento Torre Vieja
Carmen Morate	SOCIETAL ORGANIZATION	Ajuntamiento Torre Vieja
Jesús Sánchez	PRIVATE SECTOR	Empresa Mixta Aguas del Arco Mediterráneo, S.A. (AGAMED)
Angel Gilí	PRIVATE SECTOR	Acciona Servicios Urbanos
Manuel J. Pérez	PRIVATE SECTOR	Actúa, Servicios y Medio Ambiente
Delfina Giménez	PRIVATE SECTOR	Criterio Verde
Beatriz Almalcha	PRIVATE SECTOR	Torre Vieja Pesca Tradicional
Adrián Canales	PRIVATE SECTOR	Ocio Mar Torre Vieja
Vicente Manuel Martínez	PRIVATE SECTOR	Odisea Diving Torre Vieja Sub C.B
Concepción Torres	PRIVATE SECTOR	SWS

### CONCLUSIONS:

- The local network was established by the Torre Vieja City Council, based on inputs and examples provided by the UPV regarding the type of stakeholders to be convened
- The constituted local network in Torre Vieja showed a strong presence of the private sector but would benefit from an increase in representatives from regional authorities (particularly, from the “Lagunas de La Mata y Torre Vieja” Natural Park), the research sector and societal organizations.
- A key private actor (the operating company in the salt mines) was invited but did not take part in the workshop.
- 4 attendants from the private sector left during the coffee break. 3 of them explained that the aim of their companies was the development of tourist activities in the sea, and therefore felt that they were not able to contribute to the workshop
- Remote participation was not promoted based on the limited success of the previous experience in the Huerta Pilot Landscape.

## 6. TEAMWORK

- **Task 1: Which are the values that better represent the landscape of La Mata-Torre Vieja?**
  - ENVIRONMENTAL
    - Fauna biodiversity.
    - Coastal areas biodiversity
    - Sand dunes
    - Coves of Torre Vieja (Alfredo Nobel)
    - Natural Park of Las Salinas y Laguna de la Mata
    - Lagoons of Natural Park of Las Salinas y Laguna de la Mata
    - Natural Park. Water Mill.
    - Bank ecotones of the Natural Park Lagoons
    - The salt mines at the lagoons

- SOCIAL
  - Fishing
  - Boardwalk
  - Boardwalk (Juan Aparicio)
  - Yacht clubs
  - Eras de la Sal
  - The weather
  - Boardwalks and urban areas architectural values
  - Urban fabric of the urban area
  - Urban residential areas
  - Tourism
- CULTURAL
  - Sea-sports
  - Marine fishing
  - Historic quay area
  - Vineyard agricultural area
  - Old railway track. Green Way
- ECONOMIC
  - Salt mines
  - Beaches
  - Beaches
  - Beaches
  - Tourism
  - Beach Tourist Development
- OTHER
  - The mud baths in the lagoons
  - The city as a homogeneous metropolitan area body



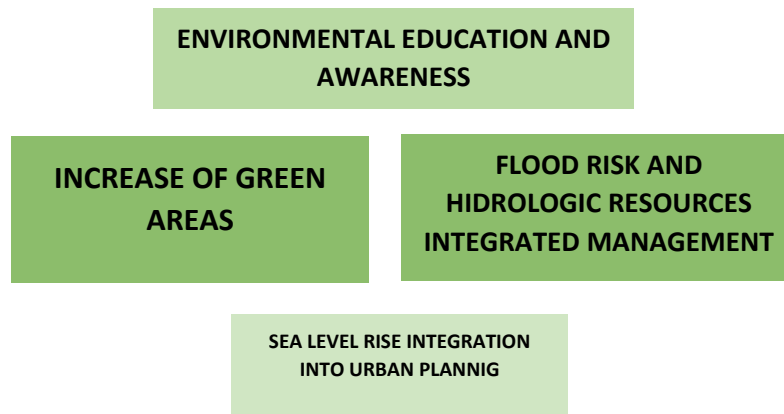
- **Task 2: Which are the Climate Change effects on the La Mata-Torre Vieja Landscape?**
  - TEMPERATURE
    - Abnormal behavior of plant species
    - Plant species disorder
    - Flora and wildlife species extinction in the Natural Park
    - Bird behavior changes
    - Modification of marine wildlife (increase of higher water temperature species)
    - Urban vegetation change and lower cover percentage
    - Increase of diseases and discomfort due to the presence of insects
    - Tourism affection due to increased hours with excessive heat (decrease in good hours)
    - Higher energy consumption
    - Higher temperature / higher electricity consumption / increase of CO<sub>2</sub> emissions

- Increased tourism season in summer (positive)
- RAINFALL
  - Plant species disorder
  - Increase of diseases and discomfort due to the presence of insects
  - Flora and wildlife species extinction in the Natural Park
  - Increase in water consumption due a negative maintenance
  - Urban vegetation change and lower cover percentage
  - Lower use of rainwater
- FLOOD RISK
  - Negative image of the municipality due to the effects of the “gota fría” (cold drop / cold front)
  - Economic losses due to floods
  - Disappearance of beaches due to sand loss
- SEA LEVEL RISE
  - Disappearance of beaches due to sand loss
  - Danger of disappearance of the flora and wildlife of the lagoons
  - Posidonia seagrass beds poor health
  - Need to consider new urban planning
- FOREST FIRE RISK
- OTHER
  - Urban life disruption



- **Task 3a: Which are the potential answers to the identified Climate Change effects?**
  - TEMPERATURE
    - Increase in green areas
    - Creation of urban green lungs
    - Increase in street trees and green areas
    - Tree planting
    - Excuse to develop a different city
  - RAINFALL
    - Increase in climate adapted green areas
    - Use of water
  - FLOOD RISK
    - Facilitating water flows
    - Measures in flood risk areas
    - Storm water runoff systems
    - Rainwater network
    - Water retention tanks
    - Rainwater storage system rethinking

- Sidewalks elevation
- Wetlands restoration
- SEA LEVEL RISE
  - Modification of the coastline
- FOREST FIRE RISKS
- OTHER
  - Stop the building industry
  - Environmental education
  - New society more aware of climate change



- **Task 3b: Which are the threats or weaknesses which could prevent the implementation of those opportunities for resolution?**
  - TEMPERATURE
    - Outdated urban planning
    - Funds increase
    - A global problem (overall)
  - RAINFALL
    - Need for measures in beaches
    - Cost increase
    - Large investments and infrastructure
  - FLOOD RISK
    - High expenses
    - High urban density
  - SEA LEVEL RISE
    - Economic losses
    - High investment
  - FOREST FIRE RISK
  - OTHER
    - Lack of social awareness
    - Economic interests
    - Private interests
    - Disregard the problem
    - Citizen mindset
    - Raise awareness (use of plastics, meat consumption, recycling)

**NEED FOR HIGH  
INVESTMENTS**

**LACK OF SOCIAL  
AWARENESS**

## **7. WORKPLAN, CLOSURE AND NEXT STEPS**

- It was agreed by the stakeholders to focus the work in a particular area from the waterfront of La Mata Beach to the protected area of the Lagunas de la Mata and Torre Vieja, with some mixed density urban areas in the middle. It was decided that the Pilot Landscape would therefore be named as “La Mata – Torre Vieja”
- Francisco Galiana (UPV) thanks the participants for their contributions and summarizes the next steps of the La Mata - Torre Vieja Pilot Landscape workplan.

### **CONCLUSIONS:**

- The local network decided, within a range of possible dates, that Workshop 2 will take place on October 23rd. It will be focused on co-defining a possible LACAP structure, contents and funding resources.
- Most of the participants in the workshop authorized the inclusion of their organizations in the AELCLIC webpage.

## SUMMARY:

### - Key CONCLUSIONS, Key DECISIONS and NEXT ACTIONS (By Whom and When):

- The constituted local network in La Mata-Torreveieja has a strong presence from the private sector but would benefit from an increase in representatives from the regional authorities (particularly, from the natural park), research sector civil groups. The presence of a missing key representative from the private sector (the operating company in the salt mines) would be positive too. / **ACTIONS:** Torreveieja City Council / Universitat Politècnica de València will try to involve some new stakeholders, and to encourage some invited stakeholders that did not attend to be present in the 2<sup>nd</sup> Workshop.
- The Torreveieja City Council played a key role in the organization of the Workshop by identifying and inviting the main local stakeholders. The Workshop took place in well suited local facilities, and the Council also organized and sponsored the catering service for the coffee break. / **ACTIONS:** Torreveieja City Council will take a similar role regarding the 2<sup>nd</sup> Workshop
- The stakeholders were able to identify diverse landscape values, which were focused around the coastal area and the “Lagunas de la Mata y Torreveieja” Natural Park. / **ACTIONS:** Universitat Politècnica de València will analyze the main regulations and plans affecting those areas and the activities taking place there. The conclusions of such analysis will be presented during Workshop 2, in order to achieve a better alignment of the LACAP with the current agendas. Expert involvement from the city council might be considered too for some of the topics.
- The rise in temperatures and sea level were considered as the main potential causes of impacts in the pilot landscape. Several links were identified between climate change and the values previously identified. It was also made clear that urban life and tourism, which is the main economic activity in the city, will be affected by climate change. A potential positive impact was identified in this regard, since one of the stakeholders pointed out that longer summers can lead to a longer tourism season. Some other stakeholders argued that, on the other hand, most owners of second homes in the municipality don't spend summer in Torreveieja, since it becomes too hot for them, and therefore could spend less time in the city if summer length continues increasing. / **ACTIONS:** Universitat Politècnica de València will focus on those key areas while presenting the current climate change regulatory and planning framework during the second Workshop.
- Most of the potential answers to the identified climate change impacts could be related to city greening schemes, flood management, and other actions which can be incorporated into urban planning. Increasing the current levels of environmental education and awareness was also considered a key cross-cutting action. / **ACTIONS:** Universitat Politècnica de València will provide further information during the second workshop regarding those key opportunities to address climate change adaptation and some possible ways in which they could be integrated within a LACAP.
- The need for major investments was considered the main barrier for climate change adaptation actions. / **ACTIONS:** A specific activity will be developed by Universitat Politècnica de València during the second workshop in order to identify key missing stakeholders which could provide additional funding for the development of adaptation actions in the pilot landscape.
- Several stakeholders confirmed their interest in being included in the AELCLIC web as part of the Torreveieja Local Network. / **ACTIONS:** Universitat Politècnica de València





will provide the AELCLIC web administrator with their contact details in order to include the local network structure in the AELCLIC web.

- A draft press release was prepared by UPV and circulated by the Torrevieja City Council regarding the beginning of the AELCLIC work in Torrevieja. This led to the workshop being announced in local and regional media (e.g. [https://www.elperiodic.com/torrevieja/frente-costero-torrevieja-elegido-como-paisajes-piloto-representativos-suroeste-europa\\_639882](https://www.elperiodic.com/torrevieja/frente-costero-torrevieja-elegido-como-paisajes-piloto-representativos-suroeste-europa_639882)) and also to the presence in the workshop of a journalist from the local weekly newspaper “Vista Alegre” / ACTIONS: Universitat Politècnica de València will cooperate with the journalist in order to review and edit the AELCLIC story for the local weekly newspaper.
- A detailed pilot area was defined within the workshop and named as “La Mata-Torrevieja” / ACTIONS: Universitat Politècnica de València will take into account the suggested area and name, and make arrangements to include it in the AELCLIC web.
- WORKSHOP2: Scheduled well in advance on October 23<sup>rd</sup>, what should encourage attendance / ACTIONS: Torrevieja City Council will book the same room and invite and provide the appropriate details to the stakeholders.

## DIAGNOSIS:

- **Level of Achievement of the expected outcomes (from 1 (min) to 5 (maximum)):**
  - OUTCOME 1 (Launch of the AELCLIC Pathfinder initiative within EIT-Climate-KIC). LEVEL OF ACHIEVEMENT: 5
  - OUTCOME 2 (Creation of the local network for the Torre Vieja Pilot Landscape). LEVEL OF ACHIEVEMENT: 3
  - OUTCOME 3 (Diagnosis and co-identification of Climate Change impacts and opportunities in the local economy, ways of living, environment, cultural heritage and levels of wellbeing). LEVEL OF ACHIEVEMENT: 4
  - OUTCOME 4 (Defining a work agenda towards a Landscape Adaptation Plan to Climate Change with a second AELCLIC Workshop). LEVEL OF ACHIEVEMENT: 5
  - OUTCOME 5 (Co-identification and co-designation of the pilot landscape area). LEVEL OF ACHIEVEMENT: 5
- **Main Shortcomings or barriers for the full achievement of the expected outcomes:**
  - The workshop date was decided just 2 weeks in advance, and the invitations were sent later by the city council.
  - Some key stakeholders, e.g. representatives from the Natural Park and the operating company in the salt mines, did not attend the workshop.
  - Some attendants from the private sector left during the coffee break.
  - The list of invited and confirmed stakeholders was asked but not received before the workshop, and therefore the activity had to be planned without knowing in detail the profile of the attendants
- **Main Reasons for the successful achievement of the expected outcomes:**
  - Deep involvement by the Torre Vieja City Council in setting up the local network and inviting them to take part in the workshop.
  - Highly participative stakeholders with deep knowledge of the local landscape.
  - Clear definition of the expected outcomes
  - Good time planning based on the experience obtained during the Workshop 1 in the Huerta de Valencia-Alboraya pilot landscape
  - Very useful reference materials from other AELCLIC workshops
  - Adequate workshop location and preparation of materials
  - Very good public dissemination of results, including the Universitat Politècnica de València contribution to a positive article (<http://vistaalegretorre vieja.com/?p=7036>) in the "Vista Alegre" local weekly newspaper, which could also be found in the printed version ([https://issuu.com/vistaalegretorre vieja/docs/va\\_3134/14](https://issuu.com/vistaalegretorre vieja/docs/va_3134/14)) which is freely distributed in the municipality
- **Learnt lessons and recommendations for similar activities in other places:**
  - It was decided after the Huerta Workshop 1 to reduce the duration of following workshops from 3,5 hours to 3 hours. Workshop 1 in Torre Vieja was already planned as a 3 hours long activity. This change is positively assessed, and 3 hours is therefore considered as the preferred option for the rest of the workshops since it enables a better engagement by the participants.
  - The coffee break was scheduled after the presentations by the speakers, and right before the beginning of the teamwork. This is considered a good option, when feasible, since the coffee break can be used as an ice breaker activity where the workshop facilitators can begin the dialogue with the participants during an informal activity.
  - Some stakeholders left during the coffee break alleging that they didn't feel able to contribute to the teamwork activities in the workshop due to their professional

background. This stressed the importance of knowing in advance the assistants' profile, in order to develop customized presentations during the first part of the workshop which are adapted and appealing to the whole range of assistants.

- Invitations should be sent if possible further in advance, in order to ease the attendance to the workshop
- **Learnt lessons and recommendations for future activities in the same place:**
  - See previous section.
- **Level of influence of the local characteristics (social, geographical, etc) in the development of the activity:**
  - High. As already mentioned, the stakeholders were knowledgeable about the municipality details, and therefore the discussion focused on key elements such as flood risk management and the climate change potential impacts on the tourist activity from a very local perspective.



## ECONOMIC REPORT:

<b>TYPE OF COST</b>	<b>COST (€)</b>
Travel & Accommodation Costs for the partner(s) members	125,71
Goods, materials and external services	34,33
Sub-granting (e.g. Travel & Accommodation costs for Third Parties or collaborators)	-
<b>TOTAL</b>	<b>160,04</b>