

---

This is an electronic reprint of the original article.  
This reprint may differ from the original in pagination and typographic detail.

Galan Vivas, Juanjo

**WORKSHOP3 of the AELCLIC PATHFINDER project in the Hyypä river valley**

Published: 27/10/2019

*Document Version*

Publisher's PDF, also known as Version of record

*Please cite the original version:*

Galan Vivas, J. (2019). *WORKSHOP3 of the AELCLIC PATHFINDER project in the Hyypä river valley*. AELCLIC project (CLIMATE-KIC).

---

This material is protected by copyright and other intellectual property rights, and duplication or sale of all or part of any of the repository collections is not permitted, except that material may be duplicated by you for your research use or educational purposes in electronic or print form. You must obtain permission for any other use. Electronic or print copies may not be offered, whether for sale or otherwise to anyone who is not an authorised user.

**ACTIVITY:** Workshop3\_HYYPÄ RIVER VALLEY\_PILOT LANDSCAPE

**DATE and TIME:** 6.9.2019, 9:00-12:30

**PLACE:** Kauhajoki town hall, Hallintoaukio 1

**ORGANIZERS:**

- Juanjo Galan / Aalto University
- Linda Leinonen / Kauhajoki town
- Marketta Nummijärvi / ELY, Etelä-Pohjanmaa
- Kirsi Hutri-Weintraub / Aalto University

**PARTICIPANTS (14+2):**

- Linda Leinonen / Kauhajoki town
- Marketta Nummijärvi / ELY, Etelä-Pohjanmaa
- Jussi Parviainen / Metsänhoitoyhdistys Lakeus
- Jeremias Laitamäki / Kauhajoki Youth Council
- Matti Seppälä / MTK, Kauhajoki
- Neea Leppälä / 4H Kauhajoki
- Timo Lakso / Regional Council of South Ostrobothnia
- Niina Tuovinen / The Suupohja Area Health and Social Services Joint Municipal Board / Environmental protection
- Asko Ojala / MTK Kauhajoki, Hyypä Village Association
- Laura Koivumäki / LH-Geopark
- Riikka Asunmaa / ProAgria, South Ostrobothnia
- Mikko Rotola-Pukkila / Neuvottelukunta/ Kauhajoki town
- Sulevi Riukulehto / University of Helsinki, Ruralia-insitute
- Aune Waronen / Ilkka / Pohjalainen
- Kirsi Hutri-Weintraub / Aalto University
- *Juanjo Galan / Aalto University*
- *Kirsi Hutri-Weintraub / Aalto University*

**KEY OBJECTIVES and EXPECTED OUTCOMES of THE ACTIVITY (expected outcomes):**

- Co-definition of key contents for a potential LACAP (Landscape Adaptation Plan for Climate Change) for the Hyypä river valley (values to promote, goals to achieve, impacts to address, opportunities to consider, solutions & actions to propose, barriers to overcome)
  - Co-definition of a process for the definition of the potential LACAP and co-identification of required actors
  - Co-definition of next steps in the Hyypä river valley and future works of the constituted Local Network
- 

**AGENDA:**

**AGENDA / OHJELMA**

- **09:00 – 09:05 Welcome** – Linda Leinonen (Kauhajoen kaupunki) & Marketta Nummijärvi (ELY) ja Juanjo Galan & Kirsi Hutri-Weintraub (Aalto University)
- **09:05 – 09:10 Presentation of participants**
- **09:10 – 09:25 RESULTS of the WORKSHOP2** – Juanjo Galan (Aalto University)
- **09:25 – 09:40 Towards a Climate-KIC Demonstrator and a LACAP** (Landscape Adaptation plan to Climate Change)– Juanjo Galan (Aalto University)
  - What can be a LACAP? Examples of other Strategic Plans (Partners & Roles / Topic & Goals / Phases / Schedule / Outputs)
  - Key contents of an application for a Climate-KIC Demonstrator: Table of Contents & Key ideas; possible ways to contribute

- **09:40 – 10:00 Key findings and opportunities of the AELCLIC project in relation to the Kauhajoki Strategic Plan and the Hyppänjoki Cultural Landscape Conservation & Management Plan + Suggestions for a future LACAP** (Marketta Nummijärvi (ELY) and Linda Leinonen (Town of Kauhajoki))
- **10:00 – 12:15 TEAMWORK + Coffee** (n. 20 min/tehtävä)
  - TASK1: WHAT: Main Values, Key Goals & Themes/Topics (+ some IMPACTS & SOLUTIONS/ACTIONS) for a potential LACAP
  - TASK2: Structure of a potential LACAP
  - TASK3: HOW: Process, Key phases and schedule (e.g. identification and involvement of key stakeholders, analysis and diagnosis of critical issues, development of strategies & plan, definition of pilot actions...)
  - TASK4: WHO: Partners: Possible distribution of roles, duties, contributions, etc.
  - TASK5: Critical diagnosis of the existing Local Network and its capacity to promote the development of a Demonstrator application and a LACAP (administrative, financial, social, scientific)
  - TASK6: Defining next steps
- **12:15 – 12:30 SUMMARY and CONCLUSIONS**

## 1. WELCOME

- Welcoming words by Juanjo Galan (Aalto University), Linda Leinonen (Kauhajoki town), Marketta Nummijärvi (ELY, Etelä-Pohjanmaa) and Kirsi Hutri-Weintraub (Aalto University)

## 2. PRESENTATION OF PARTICIPANTS

NAME OF CONTACT	INSTITUTION	TYPE
Linda Leinonen	Major Kauhajoki town	LOCAL/REGIONAL AUTHORITY
Marketta Nummijärvi	ELY/South-Bothnia, Seinäjoki	LOCAL/REGIONAL AUTHORITY
Timo Lakso	Etelä-Pohjanmaan liitto	LOCAL/REGIONAL AUTHORITY
Niina Tuovinen	Suupohjan peruspalveluliikelaitoskuntayhtymä	PUBLIC SECTOR
Sulevi Riukulehto	Ruralia-instituutti	RESEARCH
Jeremias Laitamäki	Kauhajoki Youth Council	SOCIETAL ORGANIZATION
Neea Leppälä	4H	SOCIETAL ORGANIZATION
Aune Waronen	Ilkka/Pohlainen	PRIVATE SECTOR / SOCIETAL ORGANIZATION
Riikka Asunmaa	Pro Agria	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	Metsänhoitoyhdistys LAKEUS	PRIVATE SECTOR
Laura Koivumäki	LH-Geopark	PRIVATE SECTOR

### CONCLUSIONS:

- The local network remains stable and all the required sectors are represented (governmental, economic, social and academic). However, it would be important to increase in the future the presence of more regional research institutions and local businesses

### 3 RESULTS of the WORKSHOP2

- Juanjo Galan (Aalto University) summarizes the results of the WORKSHOP2 and the evolution of the AELCLIC-Pathfinder project in the 3 Pilot Landscapes located in Finland.

#### TOPIC 1: AGRICULTURE, FORESTRY & NATURAL ENVIRONMENT

- 1) IMPACTS
  - o 1.1. ECONOMIC IMPACTS: Extreme weather phenomena and impact in agriculture, forestry and other economic activities
  - o 1.2. ECOLOGICAL IMPACTS: Leaching of nutrients, biodiversity, alien species
  - o 1.3. LANDSCAPE IMPACTS: Floods, less snow, drought new species.
- 2) OPPORTUNITIES
  - o 2.1. IMPROVE SPATIAL & LAND-USE PLANNING: More ecological planning
- 3) SOLUTIONS:
  - o 3.1. RESTORING/FAVORING NATURAL ENVIRONMENTS
  - o 3.2. CARBON SEQUESTRATION THROUGH AGRICULTURE & FORESTS
  - o 3.3. AGRICULTURAL TECHNIQUES (DRAINAGE, SOIL MANAGEMENT, CROP ROTATION, MEADOWS, ORGANIC FARMING)
  - o 3.4. MIXED FORESTS
  - o 3.5. MORE INFORMATION
- 4) BARRIERS:
  - o 4.1. FINANCE & RESOURCES
  - o 4.2. LACK OF INFORMATION
  - o 4.3. LACK OF UNDERSTANDING OF THE CARBON CYCLE AND WHAT CARBON NEUTRALITY MEANS

#### TOPIC 2: PLANNING, BUILT ENVIRONMENT & INFRASTRUCTURES

- 1) IMPACTS
  - o 1.1. LAND-USE PLANNING: Need of more effective land use planning
  - o 1.2. INFRASTRUCTURES & MOBILITY: Transport, energy & electricity
  - o 1.3. BUILDINGS: new challenges and requirements
  - o 1.4 CARBON EMISSIONS: Need to reduce carbon emissions
- 2) OPPORTUNITIES
  - o 2.1. SPATIAL & LAND-USE PLANNING: Network of nature and green areas
  - o 2.2. NEW ARCHITECTURE AND BUILDING REGULATIONS
  - o 2.2. NEW ENERGY AND TRANSPORT SYSTEMS: Biogas, hybrid, robot bus
- 3) SOLUTIONS:
  - o 3.1) CONSTRUCTION and BUILDING REGULATIONS
  - o 3.2) AGRICULTURAL PRACTICES & PLANS
  - o 3.3) STRATEGIC PLAN FOR THE NATURAL ENVIRONMENT
  - o 3.4) TECHNICAL AND DIGITAL DEVELOPMENT
- 4) BARRIERS:
  - o 4.1) FINANCE & RESOURCES
  - o 4.2) ATTITUDES

#### TOPIC 3: ENERGY, PEOPLE & WAYS OF LIVING

- 1) IMPACTS
  - o 1.1. NEW SOURCES AND DEMANDS OF ENERGY
  - o 1.2. PERSONAL LIFE & SAFETY: Darkness, floods, less skiing, vegetarianism as a trend is a consequence of preparing to climate change, new diseases, power cuts, Need of renovating buildings
- 2) OPPORTUNITIES
  - o 2.1 RENEWABLE ENERGIES: solar, geothermal, production, wood, energy crops, biogas, Energy self-sufficiency and zero CO2 emissions
  - o 2.2 DIGITAL SOCIETIES: Remote work and Digitalization
- 3) SOLUTIONS:
  - o 3.1. NEW ENERGY TECHNOLOGIES
  - o 3.2. REMOTE WORK
  - o 3.3. DIGITALIZATION

- 3.4. SHARED VEHICLES AND SHARING ECONOMY
- 4) BARRIERS:
  - 4.1. FINANCE & RESOURCES
  - 4.2. ATTITUDES & PREJUDICES
  - 4.3. LIMITATIONS OF REMOTE WORK, DIGITALIZATION AND SHARED VEHICLES

#### TOPIC 4: NEW ECONOMIES, INDUSTRY AND SERVICE SECTOR

- 1) IMPACTS
  - 1.1. AGRICULTURE, CATTLE BREEDING & FORESTRY
  - 1.2. NEED OF NEW ENERGY SOURCES: carbon neutral Hyypä river valley?
  - 1.3. TOURISM: No more Hyypä-skiing > affects to community
  - 1.4. NEED OF NEW ECONOMIC ACTIVITIES: Need of Logistical services, Define targets!, Green Economy & Ecology, How to maintain the industry and service sector?
- 2) OPPORTUNITIES
  - 2.1. NEW ENERGY SOURCES: Carbon neutral Hyypä river valley co-operation
  - 2.2. GREEN ECONOMY: eco-tourism, environmental services
- 3) SOLUTIONS:
  - 3.1. GREEN ECONOMY
  - 3.2. COMMUNICATION & MARKETING
  - 3.3. INNOVATIONS
  - 3.4. FINANCING GOOD PROJECTS
  - 3.5. CARBON NEUTRAL HYYPÄRIVER VALLEY
- 4) BARRIERS:
  - 4.1. FINANCE & RESOURCES
  - 4.2. LACK OF INNOVATION
  - 4.3. REMOTE LOCATION
  - 4.4. BUREAUCRACY
  - 4.5. EGO, FEARS, ENVY (positive or negative?)

---

#### 4.1 TOWARDS A CLIMATE-KIC DEMONSTRATOR AND A LANDSCAPE ADAPATION PLAN TO CLIMATE CHANGE (LACAP) FOR THE HYYPÄ RIVER VALLEY? (Juanjo Galan, Aalto University)

- Short lecture about the differences between Climate Change ADAPTATION and MITIGATION
- Short lecture about the basic contents and structure of a typical Strategic Plan
- Short introduction about the contents and structure of one application for a CLIMATE-KIC Demonstrator (possible future step for the AELCLIC in the Hyypä river valley?).

#### 4.2. Kauhajoki Strategic Plan and the Hyypänjoki Cultural Landscape Conservation & Management Plan + Suggestions for a future LACAP (Marketta Nummijärvi (ELY) and Linda Leinonen (Town of Kauhajoki)).

- Marketta Nummijärvi (ELY) explains the connections between the AELCLIC project and the Hyypänjoki Cultural Landscape Conservation & Management Plan. Marketta also suggests some potential topics to be addressed in the AELCLIC project.
- Linda Leinonen (Town of Kauhajoki) explains the connections between the AELCLIC project and the General/Strategic Plan of Kauhajoki. Linda also suggests some potential topics to be addressed in the AELCLIC project.



## 5 TEAMWORK

### 5.1. TASK 1: WHAT? – Main Values, Key Goals & Themes/Topics (+ some IMPACTS & SOLUTIONS/ACTIONS) for a potential LACAP

- This task involved:
  - The incorporation of key values, goals and actions included in the Municipal/Strategic Plan of Kauhajoki and in the Hyypänjoki Cultural Landscape Conservation & Management Plan to those proposed in the Workshops 1 and 2 of the AELCLIC project in Hyypä
  - A critical revision of all the included Values, Goals, Themes/Topics, Impacts, Opportunities, Solutions and Barriers.

STEP1: Inputs from the 3 documents framing the Workshop3 of the AELCLIC project in Hyypä:

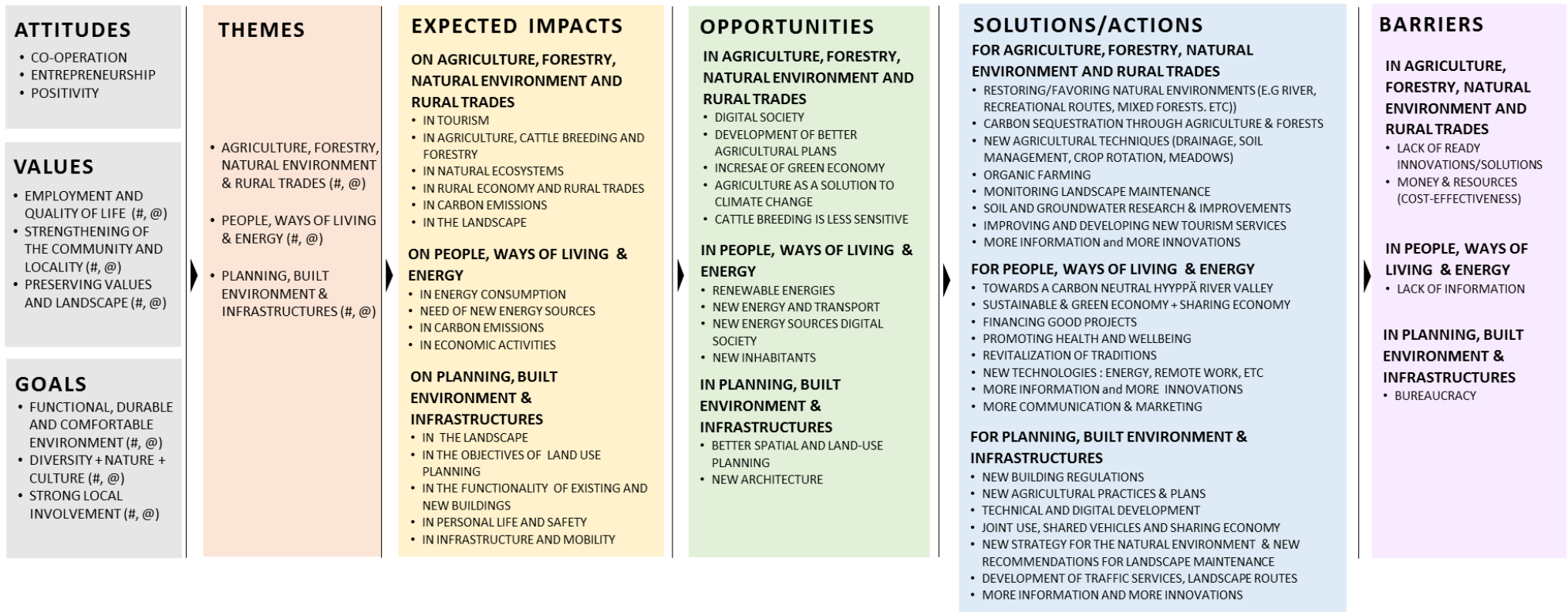
	VALUES	GOALS	THEMES	IMPACTS	OPPORTUNITIES	SOLUTIONS	BARRIERS
From AELCLIC WORKSHOPS 1+2	<ul style="list-style-type: none"> <li>• CULTURAL HERITAGE</li> <li>• DIVERSITY + NATURE + CULTURE</li> <li>• AGRICULTURE</li> <li>• BUILDINGS &amp; SETTLEMENTS</li> <li>• GEOLOGY</li> <li>• VALLEY AND RIVER</li> <li>• CLEAN AND TIDY LANDSCAPE</li> </ul>	<ul style="list-style-type: none"> <li>• DEFINING A NETWORK OF LOCAL STAKEHOLDERS (AELCLIC-PROJECT)</li> </ul>	<ul style="list-style-type: none"> <li>• AGRICULTURE AND FORESTRY &amp; NATURAL ENVIRONMENT</li> <li>• PLANNING, BUILT ENVIRONMENT &amp; INFRASTRUCTURE</li> <li>• ENERGY, PEOPLE &amp; WAYS OF LIVING</li> <li>• NEW ECONOMIES, INDUSTRY AND SERVICE SECTOR</li> </ul>	<ul style="list-style-type: none"> <li>• ECONOMIC IMPACTS</li> <li>• LANDSCAPE IMPACTS</li> <li>• BUILDINGS</li> <li>• ENERGY</li> <li>• AGRICULTURE, CATTLE BREEDING AND FORESTRY</li> <li>• TOURISM</li> <li>• ECOLOGICAL IMPACTS</li> <li>• LAND USE PLANNING</li> <li>• INFRASTRUCTURE AND MOBILITY</li> <li>• CARBON EMISSIONS</li> <li>• PERSONAL LIFE AND SAFETY</li> <li>• NEED OF NEW ENERGY SOURCES</li> <li>• NEED OF NEW ECONOMIC ACTIVITIES</li> </ul>	<ul style="list-style-type: none"> <li>• AGRICULTURE AS SOLUTION</li> <li>• AGRICULTURAL PLANS</li> <li>• CATTLE BREEDING IS LESS SENSITIVE</li> <li>• SPATIAL AND LAND-USE PLANNING</li> <li>• NEW ARCHITECTURE</li> <li>• NEW ENERGY AND TRANSPORT SYSTEMS</li> <li>• RENEWABLE ENERGIES</li> <li>• DIGITAL SOCIETY</li> <li>• GREEN ECONOMY</li> <li>• NEW ENERGY SOURCES</li> </ul>	<ul style="list-style-type: none"> <li>• RESTORING/FAVORING NATURAL ENVIRONMENTS</li> <li>• CARBON SEQUESTRATION THROUGH AGRICULTURE &amp; FORESTS</li> <li>• AGRICULTURAL TECHNIQUES (DRAINAGE, SOIL MANAGEMENT, CROP ROTATION, MEADOWS)</li> <li>• ORGANIC FARMING</li> <li>• MIXED FORESTS</li> <li>• MORE INFORMATION</li> <li>• CONSTRUCTION REGULATIONS</li> <li>• AGRICULTURAL PRACTICES &amp; PLANS</li> <li>• STRATEGY FOR THE NATURAL ENVIRONMENT</li> <li>• REMOTE WORK</li> <li>• TECHNICAL AND DIGITAL DEVELOPMENT</li> <li>• DIGITALIZATION</li> <li>• SHARED VEHICLES AND SHARING ECONOMY</li> <li>• COMMUNICATION &amp; MARKETING</li> <li>• NEW ENERGY TECHNOLOGIES</li> <li>• GREEN ECONOMY</li> <li>• INNOVATIONS</li> <li>• FINANCING GOOD PROJECTS</li> <li>• CARBON NEUTRAL HYYPÄ RIVER VALLEY</li> </ul>	<ul style="list-style-type: none"> <li>• BUREAUCRACY</li> <li>• MONEY &amp; RESOURCES</li> <li>• LACK OF INFORMATION</li> <li>• LACK OF UNDERSTANDING OF THE CARBON CYCLE AND WHAT CARBON NEUTRALITY MEANS</li> <li>• LIMITATIONS OF REMOTE WORK, DIGITALIZATION AND SHARED VEHICLES</li> <li>• MONEY &amp; RESOURCES</li> <li>• ATTITUDES</li> <li>• EGO, FEARS, ENVY (POS. OR NEG.)</li> <li>• MONEY &amp; RESOURCES</li> <li>• ATTITUDES &amp; PREJUDICES</li> </ul>
From KAUAJOKI TOWN	<ul style="list-style-type: none"> <li>• CO-OPERATION</li> <li>• ENTREPRENEURSHIP</li> <li>• POSITIVITY</li> <li>• STRONG LOCAL INVOLVEMENT</li> <li>• FUNCTIONAL, TIME-LASTING AND COMFORTABLE ENVIRONMENT</li> <li>• MAINTENANCE OF ENVIRONMENTAL QUALITY FACTORS AND STRENGTHS</li> </ul>	<ul style="list-style-type: none"> <li>• ASSERTION OF LOCAL IDENTITY</li> <li>• PRESERVATION OF VALUABLE NATURAL AND CULTURAL ENVIRONMENTS</li> <li>• POSITIVE COMMUNITY DEVELOPMENT</li> <li>• HOUSING: COMPACT CENTER, HOUSING OPTIONS</li> <li>• ECONOMIC LIFE: SCALE, RURAL TRADES ETC.</li> <li>• TRAFFIC AND TRANSPORT: DEVELOPMENT OF DIFFERENT WAYS OF MOBILITY AND NETWORKS ETC.</li> <li>• GREEN ENVIRONMENTS AND ROUTES: DEVELOPING A GREEN IMAGE</li> <li>• VALUES AND SUSTAINABLE DEVELOPMENT: HISTORY, NATURE VALUES, CONSERVATION OF ARABLE LAND ETC.</li> <li>• DYNAMIC CENTER OF THE SOUTH OSTROBOTHNIA 2025</li> </ul>	<ul style="list-style-type: none"> <li>• AGRICULTURE AND FORESTRY, NATURAL RESOURCES</li> <li>• GEOLOGY</li> <li>• NATURE ENVIRONMENTS, BIODIVERSITY</li> <li>• WATER, AIR, CLIMATE</li> <li>• CONSTRUCTION/ BUILDINGS IN CENTER/OUT-OF-TOWN</li> <li>• CONSERVATION OF CULTURAL ENVIRONMENTS</li> <li>• INFRASTRUCTURE, TRAFFIC, SMART MOBILITY &amp; ENERGY</li> <li>• IMAGE OF THE TOWN AND LANDSCAPE</li> <li>• WAYS OF LIVING</li> <li>• HOUSING OF SENIOR CITIZENS</li> <li>• PUBLIC SERVICES AND SPACES</li> <li>• TOURISM</li> <li>• TRADE AND INDUSTRY</li> </ul>	•	•	<ul style="list-style-type: none"> <li>• PROMOTING OF HEALTH AND WELLBEING</li> <li>• COMMUNICATION &amp; MARKETING</li> <li>• INNOVATIONS</li> <li>• SUSTAINABLE ECONOMY</li> </ul>	•
From HYYPÄNJOKE CULTURAL LANDSCAPE CONSERVATION & MANAGEMENT PLAN	<ul style="list-style-type: none"> <li>• IMPRESSIVE LANDFORMS, OPEN CULTURAL LANDSCAPE, DISTINCT GEOLOGY, BIRD FAUNA, BIODIVERSITY</li> </ul>	<ul style="list-style-type: none"> <li>• PRESERVING THE VIABILITY OF VILLAGES AND THE STRUCTURE</li> <li>• OPENNESS AND NATURE VALUES OF TRADITIONAL CULTURAL LANDSCAPE</li> </ul>	<ul style="list-style-type: none"> <li>• WATER CONSERVATION AND EROSION CONTROL</li> <li>• AREAS WITH NATURAL VALUES</li> <li>• OPEN LANDSCAPE WITH RURAL CHARACTER RECREATION</li> <li>• SEMI NATURAL GRASSLANDS AND GRAZED AREAS</li> <li>• CLEARANCE OF THE RIVER AND RIVERSIDE</li> <li>• LAND USE</li> <li>• BUILDINGS</li> <li>• ROADS</li> </ul>	•	•	<ul style="list-style-type: none"> <li>• RECOMMENDATIONS FOR LANDSCAPE MAINTENANCE</li> <li>• DEVELOPMENT OF TRAFFIC SERVICES, LANDSCAPE ROUTES</li> <li>• GUIDELINES FOR BUILDINGS</li> <li>• REVITALIZATION OF TRADITIONS</li> <li>• MONITORING AND MAINTENANCE OF THE LANDSCAPE</li> <li>• SOIL AND GROUNDWATER RESEARCH</li> <li>• RESTORATION OF RIVER RECREATIONAL ROUTE</li> <li>• IMPROVING AND DEVELOPING OF NEW TOURISM SERVICES</li> </ul>	•

**STEP2: CO-DEFINITION OF KEY LOCAL ATTITUDES, VALUES, GOALS, THEMES, IMPACTS, OPPORTUNITIES, SOLUTIONS AND BARRIERS FOR CLIMATE CHANGE ADAPTATION IN THE HYYPÄ RIVER VALLEY (LIST INFORMED BY AELCLIC-workshops 1 & 2 (A), by the STRATEGIC PLANS OF THE TOWN OF KAUHAJOKI (KAU), by the HYYPÄJOKI CULTURAL LANDSCAPE CONSERVATION & MANAGEMENT PLAN (HCP) and by NEW proposals (NEW):**

ATTITUDES	VALUES	GOALS	THEMES	IMPACTS	OPPORTUNITIES	SOLUTIONS	BARRIERS
<ul style="list-style-type: none"> <li>• CO-OPERATION (KAU)</li> <li>• ENTREPRENEURSHIP (KAU)</li> <li>• POSITIVITY (KAU)</li> </ul>	<ul style="list-style-type: none"> <li>• EMPLOYMENT AND QUALITY OF LIFE (NEW)</li> <li>• STRENGTHENING OF THE COMMUNITY AND LOCALITY (NEW)</li> <li>• PRESERVING VALUES AND LANDSCAPE (NEW)</li> </ul>	<ul style="list-style-type: none"> <li>• FUNCTIONAL, TIME-LASTING AND COMFORTABLE ENVIRONMENT (KAU)</li> <li>• DIVERSITY + NATURE + CULTURE (A)</li> <li>• STRONG LOCAL INVOLVEMENT (KAU)</li> </ul>	<ul style="list-style-type: none"> <li>• AGRICULTURE, FORESTRY, NATURAL ENVIRONMENT AND RURAL TRADES (A + NEW)</li> <li>• PEOPLE, WAYS OF LIVING &amp; ENERGY (A)</li> <li>• PLANNING, BUILT ENVIRONMENT &amp; INFRASTRUCTURES (A)</li> </ul>	<p><b>AGRICULTURE, FORESTRY, NATURAL ENVIRONMENT AND RURAL</b></p> <ul style="list-style-type: none"> <li>• Tourism (A)</li> <li>• Agriculture, cattle breeding and forestry (A)</li> <li>• Ecological impacts (A)</li> <li>• Need of new economic activities (A)</li> <li>• Carbon emissions (A)</li> <li>• Economic impacts (A)</li> <li>• Landscape impacts (A)</li> </ul> <p><b>PEOPLE, WAYS OF LIVING &amp; ENERGY</b></p> <ul style="list-style-type: none"> <li>• Energy (A)</li> <li>• Need of new energy sources (A)</li> <li>• Carbon emissions (A)</li> <li>• Economic impacts (A)</li> </ul> <p><b>PLANNING, BUILT ENVIRONMENT &amp; INFRASTRUCTURES</b></p> <ul style="list-style-type: none"> <li>• Landscape impacts (A)</li> <li>• Land use planning (A)</li> <li>• Buildings (A)</li> <li>• Personal life and safety (A)</li> <li>• Infrastructure and mobility (A)</li> </ul>	<p><b>AGRICULTURE, FORESTRY, NATURAL ENVIRONMENT AND RURAL TRADES</b></p> <ul style="list-style-type: none"> <li>• Digital society (A)</li> <li>• Agricultural plans (A)</li> <li>• Green economy (A)</li> <li>• Agriculture as solution (A)</li> <li>• Cattle breeding is less sensitive (A)</li> </ul> <p><b>PEOPLE, WAYS OF LIVING &amp; ENERGY</b></p> <ul style="list-style-type: none"> <li>• Renewable energies (A)</li> <li>• New energy and transport (A)</li> <li>• New energy sources (A)</li> <li>• Digital society (A)</li> <li>• New inhabitants NEW</li> </ul> <p><b>PLANNING, BUILT ENVIRONMENT &amp; INFRASTRUCTURES</b></p> <ul style="list-style-type: none"> <li>• Spatial and land-use planning (A)</li> <li>• New architecture (A)</li> </ul>	<p><b>AGRICULTURE, FORESTRY, NATURAL ENVIRONMENT AND RURAL TRADES</b></p> <ul style="list-style-type: none"> <li>• Restoring/favoring natural environments (A)</li> <li>• Carbon sequestration through agriculture &amp; forests (A)</li> <li>• Agricultural techniques (drainage, soil management, crop rotation, meadows) (A)</li> <li>• Organic farming (A)</li> <li>• Mixed forests (A)</li> <li>• Monitoring of the landscape maintenance (HCP)</li> <li>• Soil and ground water research (HCP)</li> <li>• Restoration of river (HCP)</li> <li>• Recreational routes (HCP)</li> <li>• Improving and developing new tourism services (HCP)</li> <li>• More information (A)</li> <li>• Innovations (A), (KAU)</li> </ul> <p><b>PEOPLE, WAYS OF LIVING &amp; ENERGY</b></p> <ul style="list-style-type: none"> <li>• Communication &amp; marketing (A), (KAU)</li> <li>• New energy technologies (A)</li> <li>• Green economy (A) + sharing economy (NEW)</li> <li>• Financing good projects (A)</li> <li>• Carbon neutral Hyypä river valley (A)</li> <li>• Remote work (A)</li> <li>• Revitalization of traditions (HCP)</li> <li>• Promoting of health and wellbeing (KAU)</li> <li>• Sustainable economy (KAU)</li> <li>• More information (A)</li> <li>• Innovations (A), (KAU)</li> </ul> <p><b>PLANNING, BUILT ENVIRONMENT &amp; INFRASTRUCTURES</b></p> <ul style="list-style-type: none"> <li>• Construction regulations (A)</li> <li>• Agricultural practices &amp; plans (A)</li> <li>• Technical and digital development (A)</li> <li>• Digitalization (A)</li> <li>• Shared vehicles and sharing economy (A)</li> <li>• Strategy for the natural environment (A)</li> <li>• Recommendations for landscape maintenance (HCP)</li> <li>• Development of traffic services, landscape routes (HCP)</li> <li>• Guidelines for building (HCP)</li> <li>• Joint use (NEW)</li> <li>• More information (A)</li> <li>• Innovations (A), (KAU)</li> </ul>	<p><b>AGRICULTURE, FORESTRY, NATURAL ENVIRONMENT AND RURAL TRADES</b></p> <ul style="list-style-type: none"> <li>• Lack of ready innovations/solutions (not lack of ability or willing to innovate) (A + NEW)</li> <li>• Money &amp; resources (cost-effectiveness)</li> <li>• (A + NEW)</li> </ul> <p><b>PEOPLE, WAYS OF LIVING &amp; ENERGY</b></p> <ul style="list-style-type: none"> <li>• Lack of information (A)</li> </ul> <p><b>PLANNING, BUILT ENVIRONMENT &amp; INFRASTRUCTURES</b></p> <ul style="list-style-type: none"> <li>• Bureaucracy (A)</li> </ul>

## 5.2. TASK 2: Structure of a potential LACAP: This task involved a deep synthesis of the information generated in the TASK1

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



### 5.3. TASK 3+4+5: Discussion about how to continue working with Climate Change Adaptation within the Hyypä local network generated during the AELCLIC-Pathfinder project:



#### 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 KAUHAJOKI 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 13<sup>TH</sup> 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

## 5.4 TASK 6: Defining next steps

- The Hyyppiä 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 Hyyppiä local network
- The Hyyppiä local network designates the city of Kauhajoki 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)

## Coverage of the Workshop in Regional and Local newspapers:



### Ilmasto tarvitsee maaseutua

Kauhajan Hyyppiä-työryhmä on ollut koolissa maaseutua ja ilmastoa koskeissa asioissa. Ilmaston muuttaminen on yhteinen asia, jota kaikkien on oltava mukana tekemässä. Maaseutu on tärkeä osa ilmastonsuojelua, ja se tarjoaa monia mahdollisuuksia ilmastonsuojeluun. Maaseutu on myös tärkeä osa elämäntapaa, ja se tarjoaa monia mahdollisuuksia elämäntavan muuttamiseen. Maaseutu on myös tärkeä osa kulturia, ja se tarjoaa monia mahdollisuuksia kulttuurin ylläpitämiseen. Maaseutu on myös tärkeä osa taloutta, ja se tarjoaa monia mahdollisuuksia talouden kehittämiseen. Maaseutu on myös tärkeä osa yhteiskuntaa, ja se tarjoaa monia mahdollisuuksia yhteiskunnan kehittämiseen. Maaseutu on myös tärkeä osa elämää, ja se tarjoaa monia mahdollisuuksia elämän nauttimiseen. Maaseutu on myös tärkeä osa tulevaisuutta, ja se tarjoaa monia mahdollisuuksia tulevaisuuden luomiseen.



## SUMMARY:

- **Key CONCLUSIONS, Key DECISIONS and NEXT ACTIONS (By Whom and When):**
- **CONNECTIONS WITH OTHER PLANS & PROGRAMMES:** The AELCLIC project in Hyypä is now more clearly aligned with the ***Municipal/Strategic Plan of Kauhajoki and with the Hyypänjoki Cultural Landscape Conservation & Management Plan (HCLP)***. This alignment was based in the combination of the Values, Goals, Themes and Actions promoted by all these plans and in the subsequent definition of the structure of a future LACAP (Landscape Adaptation Plan to Climate Change) for the Hyypä river valley / **ACTIONS: the Town of Kauhajoki will consider how to connect the findings and proposals of the AELCLIC project with their own plans (Municipal/Strategic Plan of Kauhajoki and with the Hyypänjoki Cultural Landscape Conservation & Management Plan (HCLP)).**
- **STRUCTURE for a potential LANDSCAPE ADAPTATION FOR TO CLIMATE CHANGE (LACAP) for the Hyypä river valley:**
  - o The 4 strategic topics proposed in the Workshop2 were reduced to 3 in order to simplify a holistic discussion about Climate Change Adaptation. These topics were also found valid to address the Goals and Values promoted by the Municipal/Strategic Plan of Kauhajoki and with the Hyypänjoki Cultural Landscape Conservation & Management Plan (HCLP) / **ACTIONS: Use the 3 defined topics to advance in the definition of a LACAP**
  - o Most of the values, goals and themes considered for a potential LACAP were considered valid to address both Climate Change Adaptation and Mitigation / **ACTIONS: Differentiate more clearly in the LACAP actions and solutions for Climate Change Adaptation, Mitigation and for both (the ideal situation)**
  - o The co-defined Solutions and Barriers covered well the identified impacts and opportunities but were highly based on personal opinions. / **ACTIONS: A potential LACAP should define the most relevant Solutions after identifying more consistently the expected Impacts and Opportunities of Climate Change in the Hyypä river valley. However, the AELCLIC project includes some valuable ideas and detects adequately some of the principal barriers for the development and implementation of a LACAP.**
  - o In a general level, the final table including values, goals, topics, impacts, opportunities, solutions and barriers for a potential LACAP, looks complete and consistent. This table can provide a valuable bottom-up input for the definition of the final structure of a future LACAP and is the consequence of a participation (although quite limited) process within the Hyypä river valley community / **ACTIONS: the Town of Kauhajoki might consider how to connect the findings and proposals of the AELCLIC project in their own plans (Municipal/Strategic Plan of Kauhajoki and with the Hyypänjoki Cultural Landscape Conservation & Management Plan (HCLP)).**
- **NEXT STEPS:** It is decided that the Town of Kauhajoki will be the leader and official representative of the Hyypä\_AELCLIC-Network in future actions connected to the AELCLIC project (Climate-KIC) and Marketta Nummijärvi will be its contact person. 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. 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) / **ACTIONS: The Town of Kauhajoki would lead the development of a potential LACAP for the area and would connect it with other plans affecting the municipality or the region. The conclusions of the AELCLIC-Pathfinder project in Hyypä would be used to define the Contents, Process and Actors for a potential LACAP as well as the development of funding applications or fund raising processes.**

## DIAGNOSIS:

- **Level of Achievement of the expected outcomes (from 1 (min) to 5 (maximum)):**
  - o OUTCOME 1 (Co-definition of key contents for a potential LACAP (Landscape Adaptation Plan for Climate Change) for the Hyyppä river valley (values to promote, goals to achieve, impacts to address, opportunities to consider, solutions & actions to propose, barriers to overcome)). LEVEL OF ACHIEVEMENT: 5
  - o OUTCOME 2 (Co-definition of a process for the definition of the potential LACAP and co-identification of required actors). LEVEL OF ACHIEVEMENT: This TOPIC was postponed and will be discussed internally by the AELCLIC\_Hyyppä network.
  - o OUTCOME 3 (Co-definition of next steps in Hyyppä and future works of the constituted Local Network). LEVEL OF ACHIEVEMENT: This TOPIC was postponed and will be discussed internally by the AELCLIC\_Hyyppä network.
- **Main Shortcomings or barriers for the full achievement of the expected outcomes:**
  - o The production of the OUTCOME1 was highly based in the works developed during the Workshops 1 and 2 and therefore its achievement was easier
  - o The OUTCOME2 and OUTCOME 3 were not addressed in the Workshop3. The production of these two Outcomes added a completely new task to the AELCLIC project in Hyyppä (process and actors to develop a Landscape Adaptation Plan to Climate Change (LACAP). Although the objective was to produce a very basic proposal, the members of the local networks considered that they needed more time and information to discuss the potential process and actors for the production of a LACAP.
  - o The OUTCOME3 implied future actions out of the AELCLIC-PATHFINDER project and it was difficult for the members of the Local network to commit themselves in future actions without knowing the implication, resources and timeframes. However, the political and administrative support to the project might guarantee its continuity. In addition, the organization of an International Meeting with the local representatives of all the European Pilot Landscapes will provide an opportunity to the Town of Hauhajoki to reflect a little more on the OUTCOME3.
- **Main Reasons for the successful achievement of the expected outcomes:**
  - o Deep involvement and commitment of the participants
  - o Organization of tasks for the allocated time (specially tasks 1 and 2), clear guidelines and effective methods
  - o Increasing leadership from the Town of Kauhajoki and ELY, Etelä-Pohjanmaa
  - o Critical revision and synthesis of materials produced in the Workshops 1 and 2
  - o Generation of one group for the final discussion, open and fluid final discussion
- **Learnt lessons and recommendations for similar activities in other places:**
  - o See Shortcomings and Barriers and See main reasons for the successful achievement of the expected Outcomes.
  - o The use of the Mitigation and Adaptation concepts provided a useful and fruitful lens to analyze the multiple implications of Climate Change
  - o Eliminate or keep more time for the Tasks 3, 4 (How to develop a LACAP and Who should be involved) for the Task 5 (Critical analysis of the existing local network to lead the preparation of a LACAP)
  - o Give more time for the development of the Task 6 (Next Steps)
  - o Considering the uncertainties affecting the future development of a LACAP (funding, resources, timeframes, etc) it was difficult to require the members of the local network to sign a formal or symbolic agreement. However, a symbolic act was developed instead. Probably, in other cultural contexts the end of the AELCLIC project could be signified or celebrated in a more official manner.
  - o It would be advisable to give to the local network the possibility to designate an official representative for future actions or ventures within the AELCLIC (Climate-KIC) project. This local representative will be in most cases be a person from the local or regional administration. That was the case in Hyyppä, where Marketta Nummijärvi was designated for that position
- **Learnt lessons and recommendations for future activities in the same place:**
  - o After the designation of an official representative of the local network within the AELCLIC project, all the discussions and initiatives to advance towards a LACAP (e.g. funding applications) will be developed in direct collaboration with the local representative.
- **Level of influence of the local characteristics (social, geographical, etc.) in the development of the activity:**
  - o The rural character of the area might explain the special emphasis on productive processes associated to the landscape (agriculture, farming and rural heritage concentrate many of the comments about Climate Change Impacts, Opportunities, Solutions and Barriers). This can apply probably to other rural areas but in the Hyyppä case might be intensified by the official recognition of the Hyyppänjoki valley as one of the valuable cultural landscapes of Finland since this gives to the local community a role of stewards of a unique landscape. The decision of not signing a formal Letter of Commitment or Letter of Understanding could be explained by the importance given in the Finnish context to such types of documents (perceived as legal and binding documents).