AELCLIC_PATHFINDER project
HYYPPÄ River Valley_ Pilot Landscape (WORKSHOP3, Kauhajoki, 14.6.2019)

WORKSHOP 3 / TYÖPAJA 3

Day and Time / Ajankohta: 6.9.2019, 9:00-12:30
Place / Paikka: Kauhajoen kaupungintalo (Hallintoaukio 1), Kauhajoki

AGENDA / OHJELMA

09:00 – 09:05 Welcome – *Linda Leinonen (Kauhajoen kaupunki) & Marketta Nummijärvi (ELY)) ja Juanjo Galan & Kirsi Hutri-Weintraub (Aalto yliopisto)*

09:05 – 09:10 Presentation of participants

09:10 – 09:25 RESULTS of the WORKSHOP2 – *Juanjo Galan (Aalto yliopisto)*

09:25 – 09:40 Towards a Climate-KIC Demonstrator and a LACAP (Landscape Adaptation plan to Climate Change)– *Juanjo Galan (Aalto yliopisto)*

- 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 Hyypänjoki Cultural Landscape Conservation & Management Plan + Suggestions for a future LACAP *Marketta Nummijärvi (ELY) ja Linda Leinonen (Kauhajoen kaupunki)*

10:00 – 12:15 Teamwork at one table + 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*
- *TASK2: 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…)*
- *TASK3: 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: Celebrating the end of the AELCLIC_pathfinder in Hyyppä*

12:15 – 12:30 SUMMARY and CONCLUSIONS

NAME OF CONTACT	INSTITUTION	TYPE
Linda Leinonen	Major Kahajoki 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, Hyyppä village society	PRIVATE SECTOR / SOCIETAL ORGANIZATION
Mikko Rotola-Pukkila	Farmer, Hyyppä 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

AELCLIC_PATHFINDER project
HYYPPÄ River Valley_ Pilot Landscape (WORKSHOP3, Kauhajoki, 14.6.2019)

Results of WORKSHOP2

PARTICIPANTS (15 + 2)

- Susanna Tyrväinen / Seinäjoki Museum
- Jussi Parviainen / Metsänhoitoyhdistys Lakeus
- Jeremias Laitamäki / Kauhajoki Youth Council
- Yrjö Ojaniemi / MTK
- Matti Seppälä / villager
- 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 / villager, Hyyppä village
- Laura Koivumäki / Geopark
- Erkki Vihonen / ProAgria
- Riikka Asunmaa / ProAgria
- Mikko Rotola-Pukkila / villager, Hyyppä village
- Merja Rikala / Finnish Association for Nature Conservation, Pohjanmaa
- Linda Leinonen / Kauhajoki towni
- Juanjo Galan /Aalto university
- Kirsi Hutri-Weintraub /Aalto university

AELCLIC_PATHFINDER project
HYPPÄNJOKI_ Pilot Landscape_RESULTS_WORKSHOP2 (Kauhajoki, 14.6.2019)

CO-DEFINITION OF KEY-TOPICS FOR CLIMATE CHANGE ADAPTATION IN THE MALMI COMMUNITY?

	TOPIC	ACTORS
TEAM 1	• Agriculture and forestry • Building	• City Planners • Residents, owners
TEAM 2	• Agriculture and forestry • Energy production	• Land owners and farmers • Consumers • Industry, trade
TEAM 3	• Agriculture and forestry • Tourism	• Primary producers • Industry
TEAM 4	• Agriculture • Land use	• Farmers • Residents • Processors, distributors, consumers • Authorities

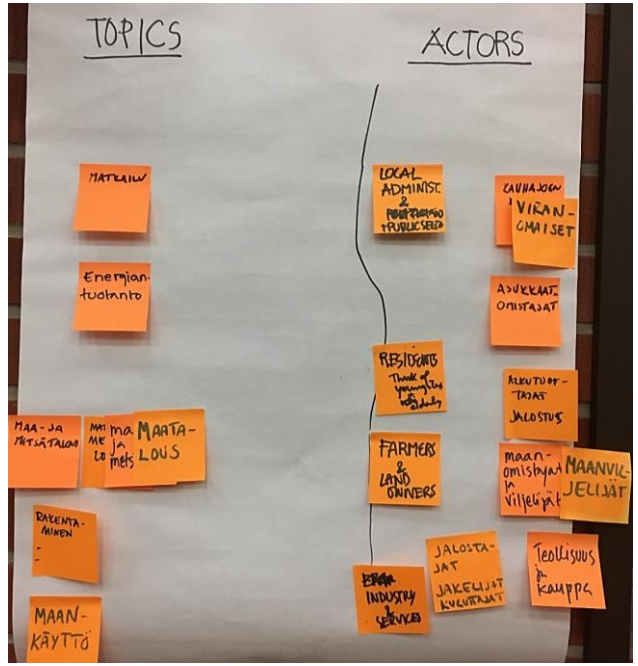
Join selection of FOUR broad key topics:

TOPIC 1: Agriculture and forestry & natural environment

TOPIC 2: Planning, built environment & infrastructures

TOPIC 3: Energy, people & ways of living

TOPIC 4: New economies? Industry and service sector



AELCLIC_PATHFINDER project
HYPPÄNJOKI_ Pilot Landscape_RESULTS_WORKSHOP2 (Kauhajoki, 14.6.2019)

CO-IDENTIFICATION OF CLIMATE CHANGE IMPACTS AND OPPORTUNITIES FOR THE SELECTED TOPICS

TOPIC 1: AGRICULTURE, FORESTRY & NATURAL ENVIRONMENT

1) IMPACTS

1.1. ECONOMIC IMPACTS

- More extreme phenomena > production > economy
- *Extreme weather phenomena may have a strong impact into agriculture*
- *Changing of cultivation conditions*
- *Drought will affect to cultivation and complicates it*
- *Decreasing ground frost (ROUTA) complicates f.eg. cultivation of potatoes*
- *Mild winters and rains > erosion, insect pests and diseases are coming more common, the natural biological control decreases*
- *There is going a general "attack" against agriculture and specially against cattle breeding*
- *Increasing risk of pests*

1.2. ECOLOGICAL IMPACTS

- *Leaching of nutrients*
- *Impacts to biodiversity? > alien species*
- *Can species adapt to changes?*
- *Impacts also to other species as the distribution areas are changing*
- *Forest damages*
- *Increasing of new and alien plant species*
- *Through the increasing rainfall, the actual river basin may return closer to its original state, but global warming will change the biology of the area and may endanger the survival of the original species.*

1.3. LANDSCAPE IMPACTS

- *Rainfall + floods ?*
- *Loss of snow in the wintertime, landscape*
- *Impacts of drought and floods can be seen in landscape*
- *Impacts of climate change can be seen in the landscape in long scale, alien plant species, erosion etc.*

2) OPPORTUNITIES

2.1 AGRICULTURE AS A SOLUTION:

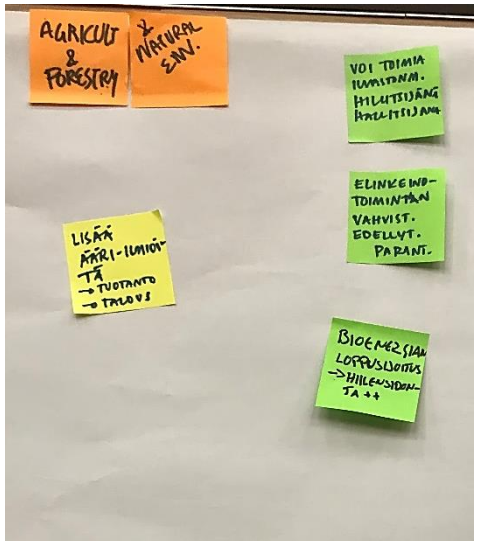
- Agriculture & Forestry can be a controller or a ruler of climate change
- Improvement is needed to strengthen business
- Bioenergy > carbon capture ++

2.2 AGRICULTURAL PLANS:

- Cultivation plans >> new varieties, crops

2.3. CATTLE BREEDING IS LESS SENSITIVE

- *Extreme weather phenomena are not so critical to cattle breeding*



ECONOMIC IMPACTS

ECOLOGICAL IMPACTS

LANDSCAPE IMPACTS

AGRICULTURAL PLANS

AGRICULTURE AS A SOLUTION

CATTLE BREEDING IS LESS SENSITIVE

CO-IDENTIFICATION OF CLIMATE CHANGE IMPACTS AND OPPORTUNITIES FOR THE SELECTED TOPICS

TOPIC 2: PLANNING, BUILT ENVIRONMENT & INFRASTRUCTURES

1) IMPACTS

1.1. LAND-USE PLANNING
- Need of more effective land use planning

1.2. INFRASTRUCTURES & MOBILITY
- Traffic problems, challenges
- Road network, condition & maintenance
- *Mobility and transport + use of energy*
- *Difficult road conditions and increasing slipperiness in the winter*
- *Power cuts caused by storms*

1.3. BUILDINGS
- Construction challenges

1.4 CARBON EMISSIONS
- Need to reduce carbon emissions

2) OPPORTUNITIES

2.1. SPATIAL & LAND-USE PLANNING
- Network of nature and green areas

2.2. NEW ARCHITECTURES
- Structural design, architecture
- Wood construction, log (carbon binding)

2.2. NEW ENERGY AND TRANSPORT SYSTEMS
- Biogas, hybrid, robot bus

CARBON EMISSIONS

BUILDINGS

SPATIAL & LAND-USE PLANNING

INFRASTRUCTURES & MOBILITY

NEW ARCHITECTURE

LAND USE PLANNING

NEW ENERGY AND TRANSPORT SYSTEMS

CO-IDENTIFICATION OF CLIMATE CHANGE IMPACTS AND OPPORTUNITIES FOR THE SELECTED TOPICS

TOPIC 3: ENERGY, PEOPLE & WAYS OF LIVING

1) IMPACTS

1.1. ENERGY

- Traffic, mobility: public transport, private motoring, electricity enable housing, necessity
- Energy supply: housing, leisure, working

1.2. PERSONAL LIFE & SAFETY

- *In the winter the darkness experience feels stronger*
- *Heavy rains & storms > erosion, falling trees and electricity power problems along the village roads & field roads etc. (must prepare with cutting trees forward etc.)*
- *Skiing decreases as a hobby*
- *Vegetarianism as a trend is a consequence of preparing to climate change*
- *Variation of the quantity and quality of drinking water*
- *Increasing flood risk*
- *Increasing risk of diseases*
- *Power cuts caused by storms*
- *Decrease in indoor temperatures*
- *Need of renovating buildings (e.g. energy efficiency in houses, blocks)*

ENERGY

PERSONAL LIFE & SAFETY

2) OPPORTUNITIES

2.1 RENEWABLE ENERGIES

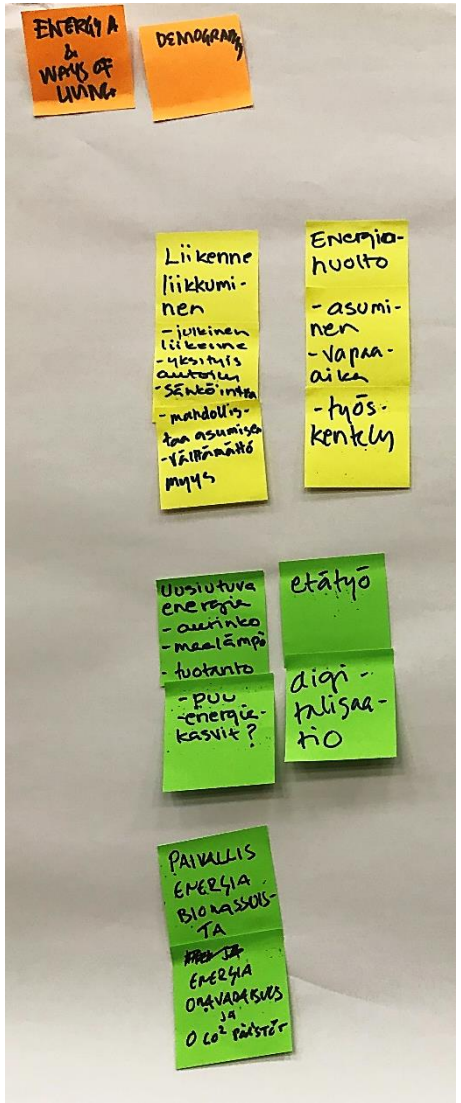
- Renewable energy; solar, geothermal, production, wood, energy crops
- Local energy from biogas
- Energy self-sufficiency and zero CO2 emissions

2.2 DIGITAL SOCIETIES

- Remote work
- Digitalisation

RENEWABLE ENERGIES

DIGITAL SOCIETIES



CO-IDENTIFICATION OF CLIMATE CHANGE IMPACTS AND OPPORTUNITIES FOR THE SELECTED TOPICS

TOPIC 4: NEW ECONOMIES? INDUSTRY AND SERVICE SECTOR

1) IMPACTS

1.1. AGRICULTURE, CATTLE BREEDING & FORESTRY

- In public there is going a common “attack” against agriculture and specially against cattle breeding
- Vegetarianism as a trend is a consequence of preparing to climate change
- Affects to the trades of countryside (e.g. agriculture and farming)

1.2. NEED OF NEW ENERGY SOURCES

- carbon neutral Hyyppäriver valley?

1.3. TOURISM

- No more Hyyppä-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?

AGRICULTURE, CATTLE BREEDING & FORESTRY

TOURISM

NEED OF NEW ECONOMIC ACTIVITIES

NEED OF NEW ENERGY SOURCES

2) OPPORTUNITIES

2.1. NEW ENERGY SOURCES

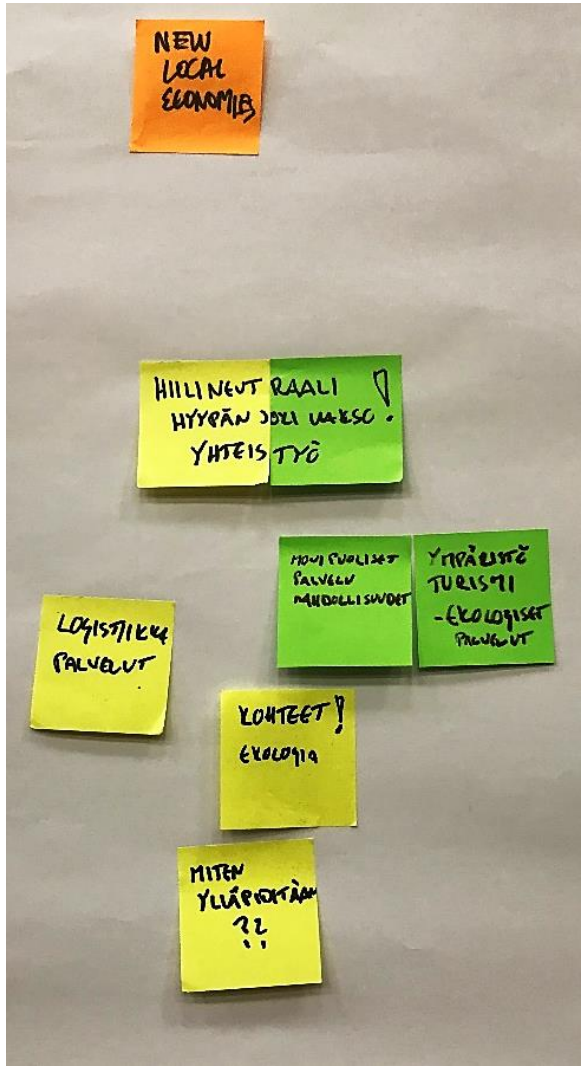
- Carbon neutral Hyyppäriver valley co-operation

2.2. GREEN ECONOMY

- Versatile service opportunities
- Green economy, eco-tourism, environmental services

GREEN ECONOMY

NEW ENERGY SOURCES



AELCLIC_PATHFINDER project
HYPPÄNJOKI_ Pilot Landscape_RESULTS_WORKSHOP2 (Kauhajoki, 14.6.2019)

CO-DESIGN OF CLIMATE CHANGE TRANSITIONS (FOR THE SELECTED TOPICS AND IN RESPONSE TO THE IDENTIFIED BARRIERS/OPPORTUNITIES)?

TOPIC 1: AGRICULTURE, FORESTRY & NATURAL ENVIRONMENT

IMPACTS:

- ECONOMIC IMPACTS
- ECOLOGICAL IMPACTS
- LANDSCAPE IMPACTS

OPPORTUNITIES

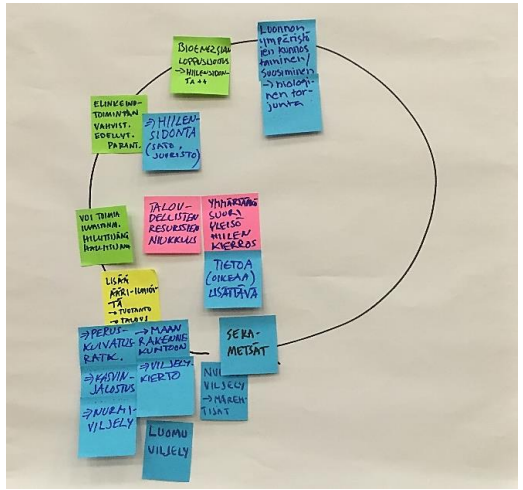
- AGRICULTURAL PLANS
- AGRICULTURE AS A SOLUTION
- CATTLE BREEDING IS LESS SENSITIVE

SOLUTIONS:

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

BARRIERS:

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



IMPACTS	OPPORTUNITIES	SOLUTIONS	BARRIERS
More extreme phenomena →production →economy	Can be a controller or a ruler of climate change	Basic drainage solution Soil structure to condition Plant breeding Crop rotation Grass growing Grass growing →ruminants Organic farming Mixed forests More (accurate) information	The lack of financial resources Does the general public understand the carbon cycle?
Need of renewable energies	Bioenergy →carbon capture ++	Restoring / favoring natural environments -→biological control	
	Improvement is needed to strengthen business	Binding of carbon (crop, root system)	

CO-DESIGN OF CLIMATE CHANGE TRANSITIONS (FOR THE SELECTED TOPICS AND IN RESPONSE TO THE IDENTIFIED BARRIERS/OPPORTUNITIES)?

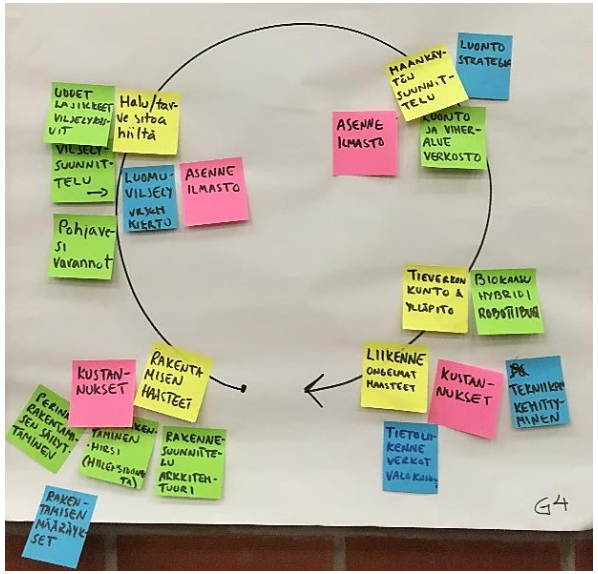
TOPIC 2: PLANNING, BUILT ENVIRONMENT & INFRASTRUCTURES

IMPACTS:

OPPORTUNITIES

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

BARRIERS:
- MONEY & RESOURCES
- ATTITUDES



IMPACTS	OPPORTUNITIES	SOLUTIONS	BARRIERS
Construction challenges	Conservation of heritage building Wood construction, log (carbon binding) Structural design, architecture	Construction regulations	Financing
Will / need to bind carbon	Cultivation plans → new varieties, crops Ground water reservoirs	Organic farming Crop rotation	Attitude
Network of nature and green are	Network of nature and green are	Nature strategy	Attitude
Traffic problems, challenges Road network, condition & maintenance	Biogas, hybrid, robot bus	Technical development Telecommunication networks Optical fibers	Financing

AELCLIC_PATHFINDER project
HYPPÄNJOKI_ Pilot Landscape_RESULTS_WORKSHOP2 (Kauhajoki, 14.6.2019)

CO-DESIGN OF CLIMATE CHANGE TRANSITIONS (FOR THE SELECTED TOPICS AND IN RESPONSE TO THE IDENTIFIED BARRIERS/OPPORTUNITIES)?

TOPIC 3: ENERGY, PEOPLE & WAYS OF LIVING

IMPACTS:

ENERGY

PERSONAL LIFE & SAFETY

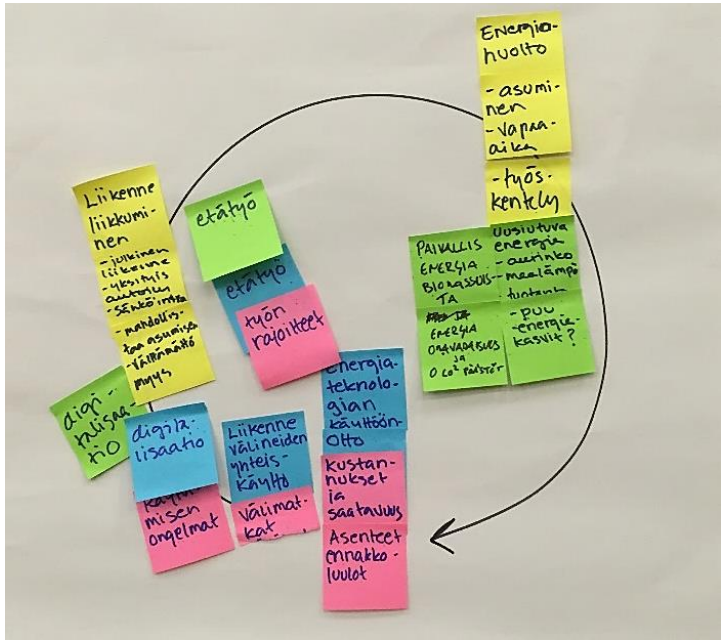
OPPORTUNITIES

RENEWABLE ENERGIES

DIGITAL SOCIETIES

SOLUTIONS:
- NEW ENERGY TECHNOLOGIES
- REMOTE WORK
- DIGITALIZATION
- SHARED VEHICLES AND SHARING ECONOMY

BARRIERS:
- MONEY & RESOURCES
- ATTITUDES & PREJUDICES
- LIMITATIONS OF REMOTE WORK, DIGITALIZATION AND SHARED VEHICLES



IMPACTS	OPPORTUNITIES	SOLUTIONS	BARRIERS
Energy supply: housing, leisure, working	• Renewable energy; solar, geothermal, production, wood, energy crops • Remote work • Digiltalization • Local energy from biogas • Energy self-sufficiency and zero CO^2 emissions	• New energy technologies	• Costs and availability • Attitudes • Prejudices
Traffic, mobility: public transport, private motoring, electricity enable housing, necessity	• Remote work • Digitalization	• Remote work • Digitalization • Shared vehicles	• Work's limitations • Problems when using • Distances •

AELCLIC_PATHFINDER project
HYPPÄNJOKI_ Pilot Landscape_RESULTS_WORKSHOP2 (Kauhajoki, 14.6.2019)

CO-DESIGN OF CLIMATE CHANGE TRANSITIONS (FOR THE SELECTED TOPICS AND IN RESPONSE TO THE IDENTIFIED BARRIERS/OPPORTUNITIES)?

TOPIC 4: NEW ECONOMIES? INDUSTRY AND SERVICE SECTOR

IMPACTS:

TOURISM

AGRICULTURE, CATTLE BREEDING & FORESTRY

NEED OF NEW ECONOMIC ACTIVITIES

NEED OF NEW ENERGY SOURCES

OPPORTUNITIES

NEW ENERGY SOURCES

GREEN ECONOMY

SOLUTIONS:
- GREEN ECONOMY
- COMMUNICATION & MARKETING
- INNOVATIONS
- FINANCING GOOD PROJECTS
- CARBON NEUTRAL HYYPPÄRIVER VALLEY

BARRIERS:
- MONEY & RESOURCES
- LACK OF INNOVATION
- REMOTE LOCATION
- BUREUCRACY
- EGO, FEARS, ENVY (positive or negative?)

IMPACTS	OPPORTUNITIES	SOLUTIONS	BARRIERS
Targets! Ecology	Eco-tourism, environmental services	Green Economy Community Innovations	Leader, inspiration Cost, +/- Innovations Bureaucracy
Logistical services		Marketing	Location
How to maintain?	Versatile service opportunities	Project → financing	Ego Fears Envy pos. or neg.?
Carbon neutral Hyyppäriver valley co-operation	Carbon neutral Hyyppäriver valley co-operation	Carbon neutral Hyyppäriver valley co-operation	

Summary of the AELCLIC project in Finland 6.9.2019

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

WP2_NORTHERN EUROPE

(Aalto University)

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

MALMI DISTRICT_workshop1_12.6.2019

HYYPPÄ RIVER VALLEY_workshop1_26.4.2019

TORNIO RIVER VALLEY_workshop1_10.5.2019

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

MALMI DISTRICT (13+2 PARTICIPANTS)_urban

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

VISION OLD MALMI DISTRICT (under development)

AELCLIC PILOT HELSINKI

HELSINKI_CLIMATE CHANGE ADAPTATION & MITIGATION PROGRAMME + CARBON NEUTRAL HELSINKI 2035

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

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

- HYYPÄNJOKI CULTURAL LANDSCAPE CONSERVATION & MANAGEMENT PLAN

- KAUHAJOKI – CITY STRATEGY

AELCLIC_PILOT_HYYPÄNJOKI

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

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

TORNIO- (FI) – VISION 2027

HAAPARANTA (SE) –PLAN/STRATEGY

TORNIO-HAPARANDA-VISION 2027

AELCLIC PILOT_ TORNIO RIVER

TORNIO TOURISM MASTERPLAN

TORNIO CITY STRATEGY 2017-2021

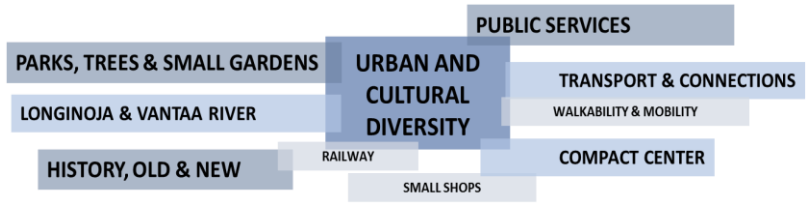
WORKSHOP1 (3,5 HOURS): CREATING LOCAL NETWORKS + DEFINING WORK-PLANS

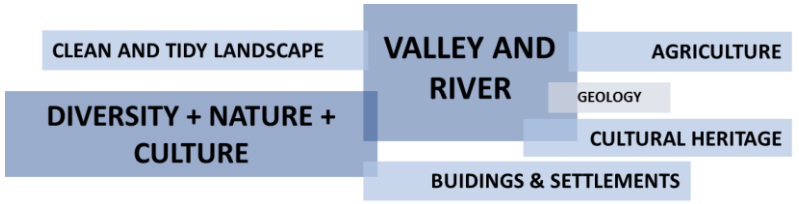
MALMI DISTRICT (13+2 PARTICIPANTS)_urban

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

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

WHAT ARE THE MAIN VALUES OF THIS PILOT LANDSCAPE?





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

WHAT DO YOU KNOW ABOUT CLIMATE CHANGE?

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

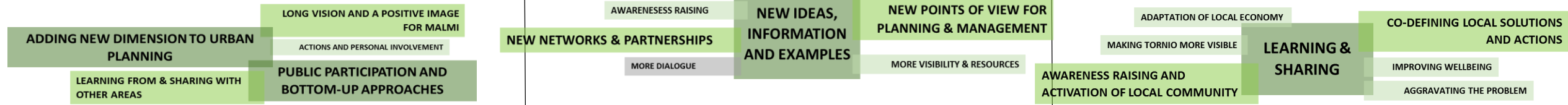
MALMI DISTRICT (13+2 PARTICIPANTS)_urban

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

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

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

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



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

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

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

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

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

1. RESULTS OF THE WORKSHOP1 (+ short introduction to the AELCLIC project for the new stakeholders)
2. CLIMATE CHANGE EFFECTS IN EUROPE, FINLAND AND THE PILOT LANDSCAPE

3. TEAMWORK (IN MULTISTAKEHOLDER TEAMS)

- **CO-DEFINITION OF KEY-TOPICS FOR CLIMATE CHANGE ADAPTATION IN THE PILOT LANDSCAPE?**
- **CO-IDENTIFICATION OF CLIMATE CHANGE IMPACTS AND OPPORTUNITIES FOR THE SELECTED TOPICS**
- **CO-DESIGN OF CLIMATE CHANGE TRANSITIONS (FOR THE SELECTED TOPICS AND IN RESPONSE TO THE IDENTIFIED BARRIERS/OPPORTUNITIES)?**

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

MALMI DISTRICT_whorkshop2_12.6.2019

HYYPPÄ RIVER VALLEY_workshop2_14.6.2019

TORNIO RIVER VALLEY_workshop2_30.8.2019

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

MALMI DISTRICT (12+2 PARTICIPANTS)

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

VISION OLD MALMI DISTRICT (under development)

AELCLIC PILOT HELSINKI

HELSINKI_CLIMATE CHANGE ADAPTATION & MITIGATION PROGRAMME + CARBON NEUTRAL HELSINKI 2035

HYYPPÄ RIVER VALLEY (14+2 PARTICIPANTS)

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

- HYYPÄNJOKI CULTURAL LANDSCAPE CONSERVATION & MANAGEMENT PLAN

- KAUHAJOKI – CITY STRATEGY

AELCLIC_PILOT_HYYPÄNJOKI

TORNIO RIVER VALLEY (20+2 PARTICIPANTS)

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

TORNIO- (FI) – VISION 2027

HAAPARANTA (SE) –PLAN/STRATEGY

TORNIO-HAPARANDA-VISION 2027

AELCLIC PILOT_ TORNIO RIVER

TORNIO TOURISM MASTERPLAN

TORNIO CITY STRATEGY 2017-2021

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

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

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

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

MULTI-STAKEHODER GROUP1
DEFINE 2-3 KEY TOPICS

MULTI-STAKEHODER GROUP2
DEFINE 2-3 KEY TOPICS

MULTI-STAKEHODER GROUP3
DEFINE 2-3 KEY TOPICS

MULTI-STAKEHODER GROUP4
DEFINE 2-3 KEY TOPICS

Joint Selection of 4 Broad KEY TOPICS

Key TOPIC1_GROUP1
CLIMATE CHANGE IMPACTS & OPPORTUNITIES

Key TOPIC2_GROUP2
CLIMATE CHANGE IMPACTS & OPPORTUNITIES

Key TOPIC3_GROUP3
CLIMATE CHANGE IMPACTS & OPPORTUNITIES

Key TOPIC4_GROUP4
CLIMATE CHANGE IMPACTS & OPPORTUNITIES

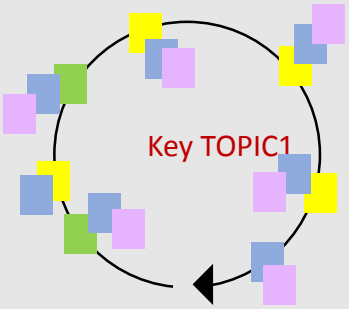
Inputs from Other groups?

Inputs from Other groups?

Inputs from Other groups?

Inputs from Other groups?

Key TOPIC1_GROUP1
IMPACTS
OPPORTUNITIES
ACTIONS & SOLUTIONS
BARRIERS



Key TOPIC2_GROUP2

Key TOPIC3_GROUP3

Key TOPIC3_GROUP3

JOINT DISCUSSION

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

MALMI DISTRICT (12+2 PARTICIPANTS)

Join selection of THREE broad key topics:

TOPIC 1: BUILT AND NATURAL ENVIRONMENT

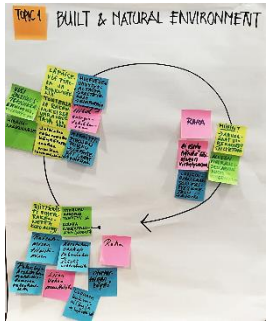
TOPIC 2: SOCIO-CULTURAL ENVIRONMENT, WELLBEING, WAYS OF LIVING AND IDENTITY

TOPIC 3: SMART MOBILITY AND LOCAL ECONOMY

TOPIC 1: BUILT AND NATURAL ENVIRONMENT

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

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



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

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

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

HYYPPÄ RIVER VALLEY (14+2 PARTICIPANTS)

Join selection of FOUR broad key topics:

TOPIC 1: AGRICULTURE AND FORESTRY & NATURAL ENVIRONMENT

TOPIC 2: PLANNING, BUILT ENVIRONMENT & INFRASTRUCTURES

TOPIC 3: ENERGY, PEOPLE & WAYS OF LIVING

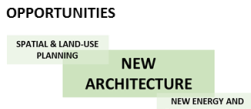
TOPIC 4: NEW ECONOMIES? INDUSTRY AND SERVICE SECTOR

TOPIC 1: AGRICULTURE, FORESTRY & NATURAL ENVIRONMENT

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

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

TOPIC 2: PLANNING, BUILT ENVIRONMENT & INFRASTRUCTURES



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

BARRIERS:
- MONEY & RESOURCES
- ATTITUDES

TORNIO RIVER VALLEY (20+2 PARTICIPANTS)

Join selection of FOUR broad key topics:

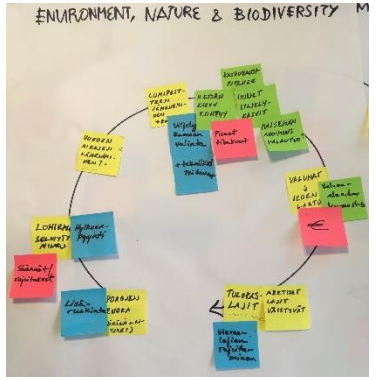
TOPIC 1: ENVIRONMENT, NATURE & BIODIVERSITY

TOPIC 2: WATER SYSTEMS

TOPIC 3: CULTURAL ENVIRONMENT & WAYS OF LIVING

TOPIC 4: SUSTAINABLE ECONOMY

TOPIC 1: ENVIRONMENT, NATURE & BIODIVERSITY



TOPIC 2: WATER SYSTEMS

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

MALMI DISTRICT (12+2 PARTICIPANTS)

TOPIC 3: SMART MOBILITY AND LOCAL ECONOMY

IMPACTS:

- MOBILITY
- URBAN SPACE & STRUCTURE
- LOCAL ECONOMY

OPPORTUNITIES

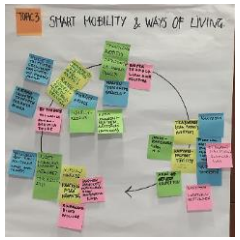
- MOBILITY
- LOCAL ECONOMY
- NEW TECHNOLOGIES

SOLUTIONS:

- FINANCIAL SUPPORT
- IMPROVED PUBLIC TRANSPORT
- COMMUTING CULTURE (INCLUDING BYCICLES)
- MALMI "RIDESHARING"
- PLANNING
- ENTREPREUNERSHIP & COOPERATION

BARRIERS:

- PEOPLE'S ATTITUDES / DESIRE FOR COMFORT / RESISTANCE TO CHANGE
- WHICH VEHICLES WILL BE DEVELOPED?
- TECHNOLOGICAL CHANGES MIGHT FRIGHTEN
- MONEY & FUNDING
- CLIMATE CHANGE NOT INCLUDED IN THE MALMI VISION



HYYPPÄ RIVER VALLEY (14+2 PARTICIPANTS)

TOPIC 3: ENERGY, PEOPLE & WAYS OF LIVING

IMPACTS:

- ENERGY
- PERSONAL LIFE & SAFETY

OPPORTUNITIES

- RENEWABLE ENERGIES
- DIGITAL SOCIETIES

SOLUTIONS:

- NEW ENERGY TECHNOLOGIES
- REMOTE WORK
- DIGITALIZATION
- SHARED VEHICLES AND SHARING ECONOMY

BARRIERS:

- MONEY & RESOURCES
- ATTITUDES & PREJUDICES
- LIMITATIONS OF REMOTE WORK, DIGITALIZATION AND SHARED VEHICLES

TOPIC 4: NEW ECONOMIES? INDUSTRY AND SERVICE SECTOR

IMPACTS:

- AGRICULTURE, CATTLE BREEDING & FORESTRY
- TOURISM
- NEED OF NEW ECONOMIC ACTIVITIES
- NEED OF NEW ENERGY SOURCES

OPPORTUNITIES

- GREEN ECONOMY
- NEW ENERGY SOURCES

SOLUTIONS:

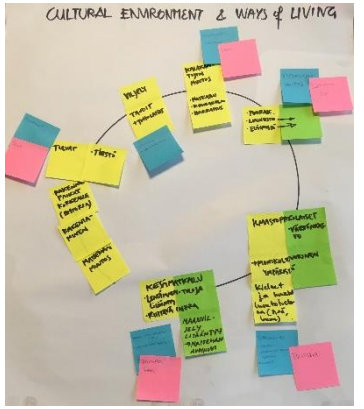
- GREEN ECONOMY
- COMMUNICATION & MARKETING
- INNOVATIONS
- FINANCING GOOD PROJECTS
- CARBON NEUTRAL HYYPPÄRIVER VALLEY

BARRIERS:

- MONEY & RESOURCES
- LACK OF INNOVATION
- REMOTE LOCATION
- BUREUCRACY
- EGO, FEARS, ENVY (positive or negative?)

TORNIO RIVER VALLEY (20+2 PARTICIPANTS)

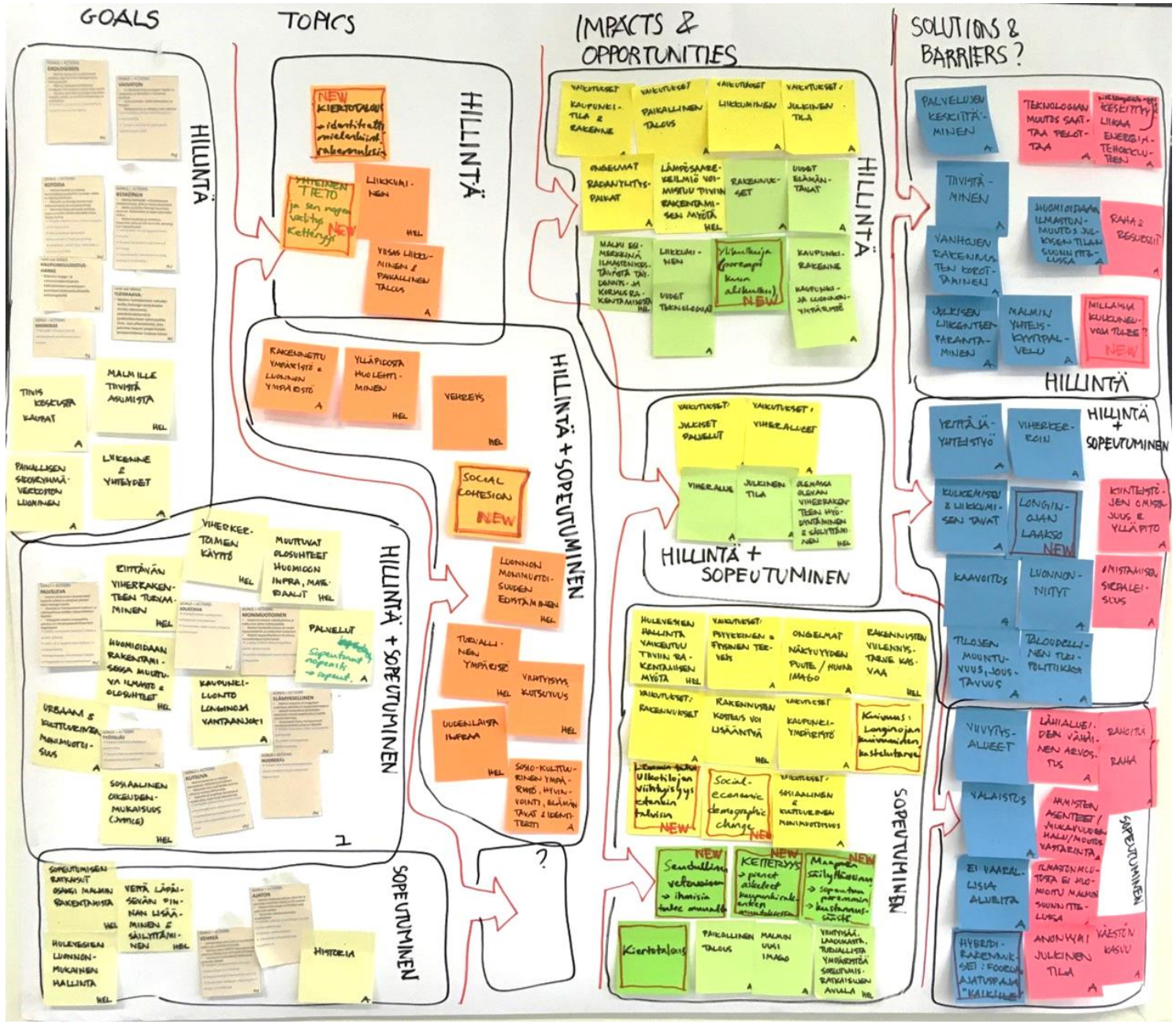
TOPIC 3: CULTURAL ENVIRONMENT & WAYS OF LIVING



TOPIC 4: SUSTAINABLE ECONOMY

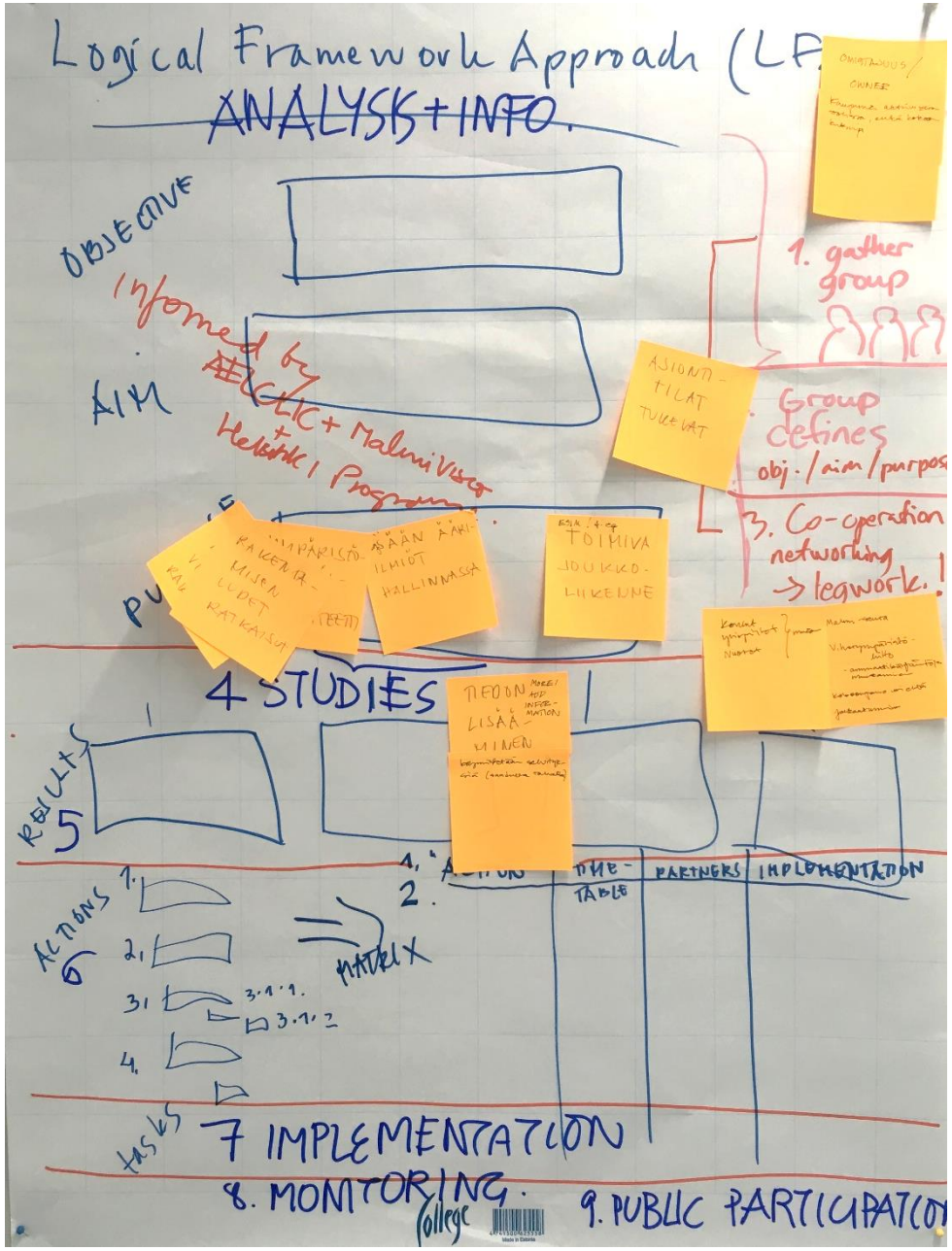
WORKSHOP3 (3,5 HOURS): TOWARDS A LANDSCAPE ADAPATATION PLNA

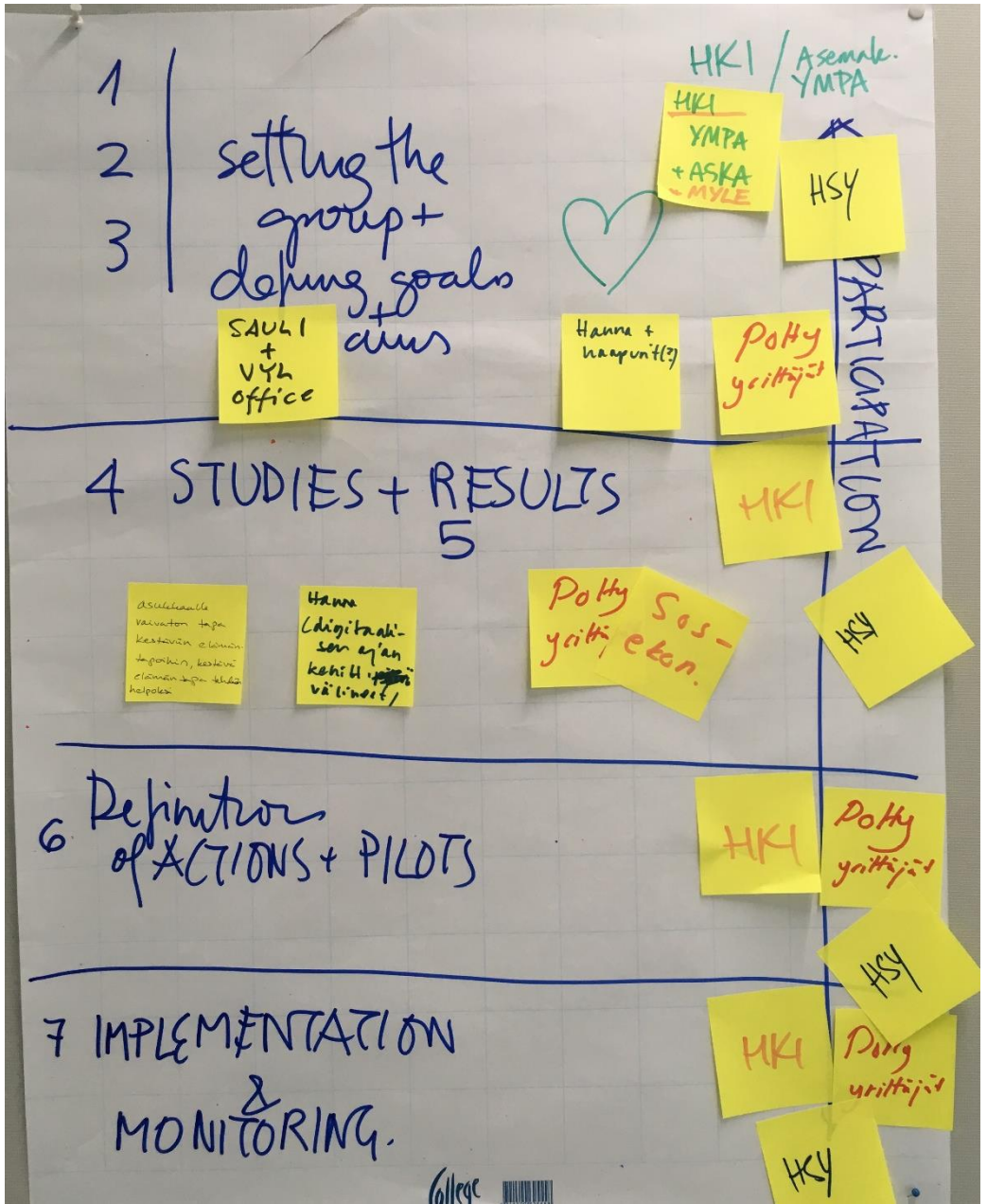
MALMI DISTRICT (12+2 PARTICIPANTS)



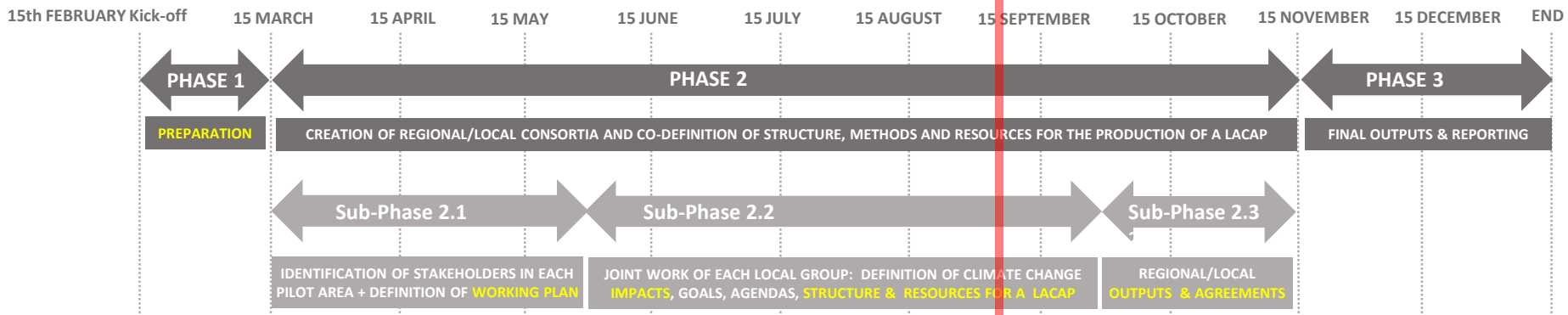
WORKSHOP3 (3,5 HOURS): TOWARDS A LANDSCAPE ADAPATATION PLNA

MALMI DISTRICT (12+2 PARTICIPANTS)





AELCLIC_PATHFINDER_Implementation in Northern Europe by 6.9.2019



COORDINATION & MANAGEMENT (WP1)

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

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

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

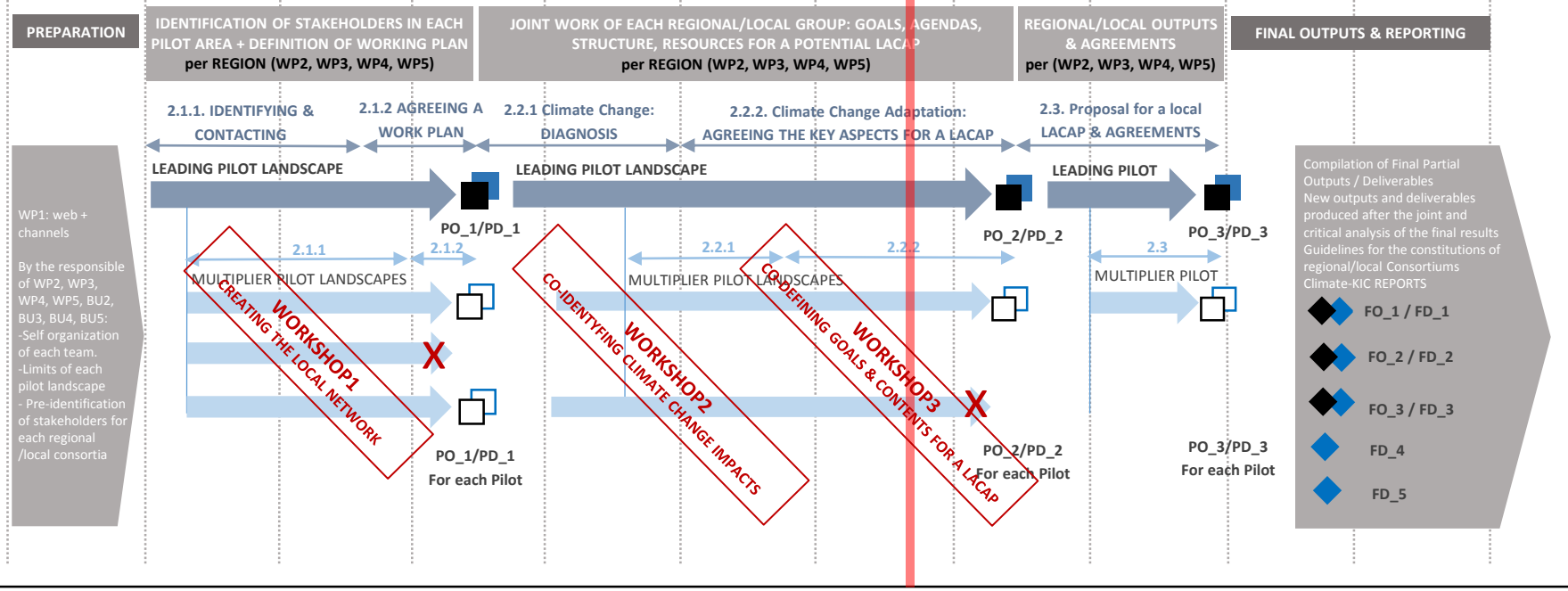
- PO_x Partial OUTPUT in LEADING PILOT / in MULTIPLIER PLOT
- PD_x Partial DELIVERABLE in LEADING PILOT/ in MULTIPLIER PILOT
- FO_y Final OUTPUT
- FD_y Final DELIVERABLE

Partial outputs/deliverables:

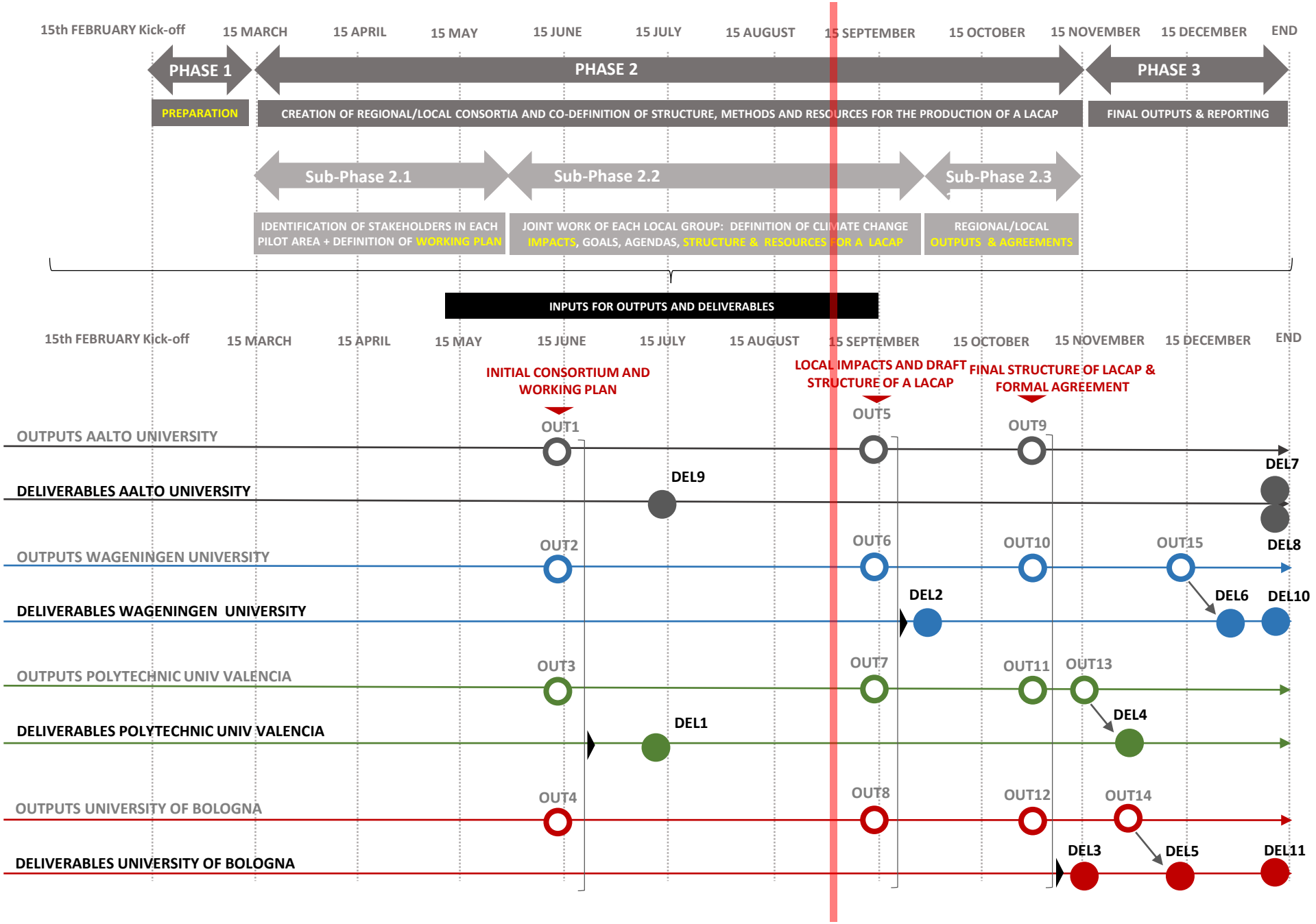
(X = 1): Consortium and Working Plan for each Pilot Landscape
(X = 2): Draft Structure and Implementation Plan for a LACAP (per Consortium & Pilot)
(X= 3): Final Structure and Implementation Plan for a LACAP (per Consortium & Pilot)

Final outputs/deliverables:

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



LOGIC MODEL_AELCLIC PATHFINDER_SCHEDULE FOR THE FINALIZATION OF OUTPUTS AND DELIVERABLES



OUT1	CONSORTIUMS AND WORKING PLANS FOR EACH PILOT LANDSCAPE IN NORTHERN EUROPE
OUT2	CONSORTIUMS AND WORKING PLANS FOR EACH PILOT LANDSCAPE IN ATLANTIC AND ALPINE EUROPE
OUT3	CONSORTIUMS AND WORKING PLANS FOR EACH PILOT LANDSCAPE IN SOUTH-WESTERN EUROPE
OUT4	CONSORTIUMS AND WORKING PLANS FOR EACH PILOT LANDSCAPE IN SOUTH-EASTERN EUROPE
OUT5	DRAFT STRUCTURE AND IMPLEMENTATION PLAN FOR A FUTURE LACAP (PER CONSORTIUM & PILOT) IN NORTHERN EUROPE
OUT6	DRAFT STRUCTURE AND IMPLEMENTATION PLAN FOR A LACAP (PER CONSORTIUM & PILOT) IN ATLANTIC AND ALPINE EUROPE
OUT7	DRAFT STRUCTURE AND IMPLEMENTATION PLAN FOR A FUTURE LACAP (PER CONSORTIUM & PILOT) IN SOUTH-WESTERN EUROPE
OUT8	DRAFT STRUCTURE AND IMPLEMENTATION PLAN FOR FUTURE LACAP (PER CONSORTIUM & PILOT) IN SOUTH-EASTERN EUROPE
OUT9	FINAL STRUCTURE AND IMPLEMENTATION PLAN FOR A FUTURE LACAP (PER CONSORTIUM & PILOT LANDSCAPE) IN NORTHERN EUROPE
OUT10	FINAL STRUCTURE AND IMPLEMENTATION PLAN FOR A FUTURE LACAP (PER CONSORTIUM & PILOT LANDSCAPE) IN ATLANTIC AND ALPINE EUROPE
OUT11	FINAL STRUCTURE AND IMPLEMENTATION PLAN FOR A FUTURE LACAP (PER CONSORTIUM & PILOT LANDSCAPE) IN SOUTH-WESTERN EUROPE
OUT12	FINAL STRUCTURE AND IMPLEMENTATION PLAN FOR A FUTURE LACAP (PER CONSORTIUM & PILOT LANDSCAPE) IN SOUTH-EASTERN EUROPE
OUT13	COMPILATION OF FINAL PARTIAL OUTPUTS OUT1-OUT12
OUT14	NEW FINDINGS PRODUCED AFTER THE JOINT AND CRITICAL ANALYSIS OF THE FINAL RESULTS IN EACH PILOT LANDSCAPE AND IN THE WHOLE NETWORK
OUT15	GUIDELINES FOR THE CONSTITUTIONS OF REGIONAL/LOCAL CONSORTIUMS FOR THE DEFINITION OF LANDSCAPE-CLIMATE CHANGE ADAPTATION PLANS

DEL1	EDITED AND IMPROVED COMPILATION OF PARTIAL OUTCOMES FROM THE DIFFERENT GEOGRAPHICAL ZONES (OUT1, 2, 3 AND 4)
DEL2	EDITED AND IMPROVED COMPILATION OF PARTIAL OUTCOMES FROM THE DIFFERENT GEOGRAPHICAL ZONES (OUT5, 6, 7 AND 8)
DEL3	EDITED AND IMPROVED COMPILATION OF PARTIAL OUTCOMES FROM THE DIFFERENT GEOGRAPHICAL ZONES (OUT9, 10, 11 AND 12)
DEL4	EDITED AND IMPROVED COMPILATION OF FINAL PARTIAL DELIVERABLES (DEL1+DEL2+DEL3)
DEL5	EDITED AND IMPROVED PRESENTATION OF THE NEW FINDINGS PRODUCED AFTER THE JOINT AND CRITICAL ANALYSIS OF THE FINAL RESULTS IN EACH PILOT LANDSCAPE AND IN THE WHOLE NETWORK
DEL6	FINAL GUIDELINES FOR THE CONSTITUTIONS OF REGIONAL/LOCAL CONSORTIUMS FOR THE DEFINITION OF LANDSCAPE-CLIMATE CHANGE ADAPTATION PLANS
DEL7	CLIMATE-KIC REPORTS (PERFORMANCE REPORT, FINANCIAL REPORT, ETC.)
DEL8	WEB WITH ALL THE DELIVERABLES
DEL9	SCIENTIFIC ARTICLE OR CONFERENCE PAPER: IDENTIFYING AND ALIGNING AGENDAS FOR MULTI-STAKEHOLDER CONSORTIA ON CLIMATE CHANGE ADAPTATION & MITIGATION
DEL10	SCIENTIFIC ARTICLE OR CONFERENCE PAPER: SETTING MULTI-STAKEHOLDER CONSORTIA ON CLIMATE CHANGE ADAPTATION & MITIGATION: MODELS FROM THE AELCLIC PROJECT
DEL11	SIGNED AGREEMENTS FOR A JOINT COMMITMENT OF PARTNERS IN THE ESTABLISHED LOCAL CONSORTIA

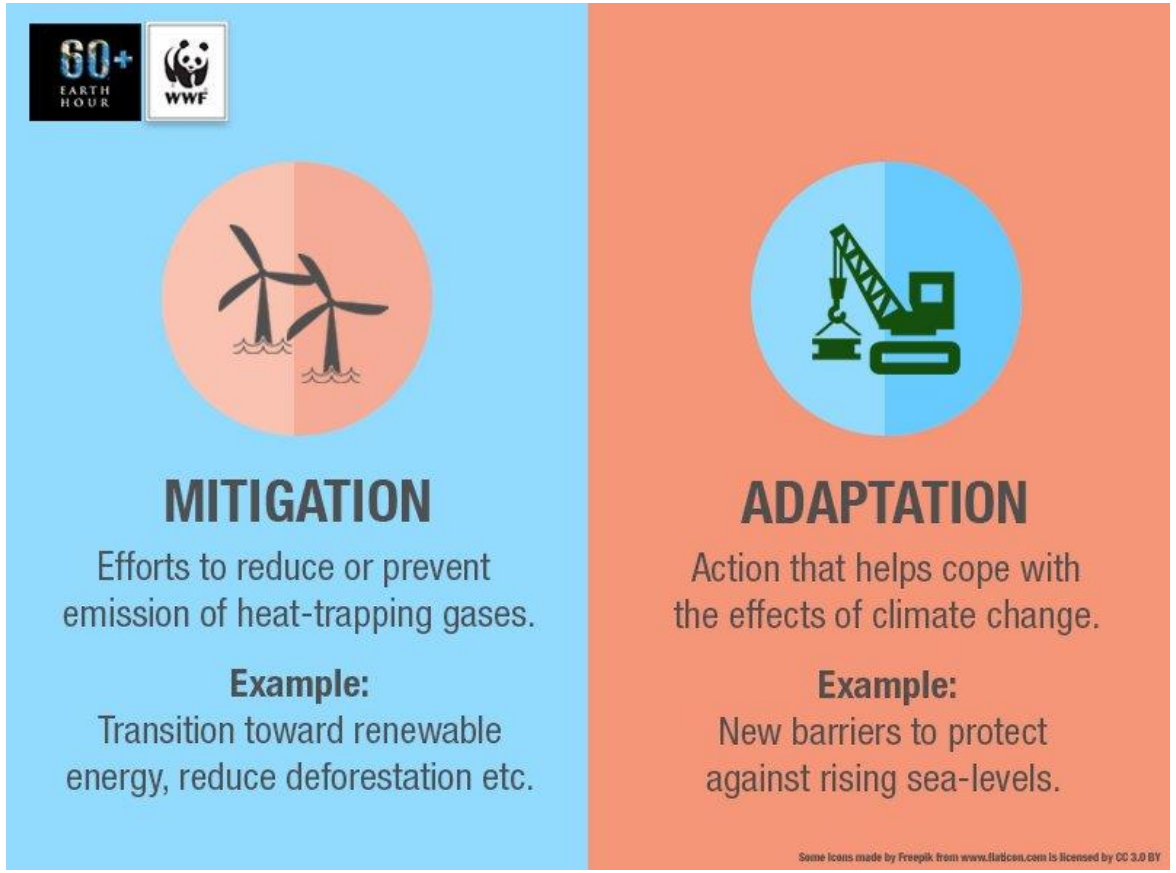
AELCLIC_PATHFINDER_in a Nutshell (situation 6.9.2019)

	WORKSHOP1 "Who" Local Network & Work-Plan	WORKSHOP2 "What for" Co-identification of impacts and opportunities	WORKSHOP3 "How" Co-definition of key contents for a LACAP
MALMI (HELSINKI)	10.5.2019 (REPORTED)	12.6.2019 (REPORTED)	29.8.2019
HYYPPÄJOKI VALLEY	26.4.2019 (REPORTED)	14.6.2019 (REPORTED)	6.9.2019
TORNIO RIVER VALLEY	24.5.2019 (REPORTED)	30.8.2019	1st week of October
TØNDER MARSHLANDS			
Lowland Peat and Polder Landscape of Holland			
BERTRA DUNE SYSTEM	7.5.2019 (REPORTED)		
HAUTE TARENTAISE			
MONT SAINT MICHEL			
HUERTA DE VALENCIA	17.6.2019		September
RIVER BESÒS (METROPOLITAN AREA OF BARCELONA)	2.10.2019		
SERRES D´ANCOSA	8.10.2019		End of October?
PARC NATURAL ALT PIRINEU	4.10.2019		1st week of November?
PARQUE NATURAL LAGUNAS DE LA MATA Y TORREVIEJA?	30.9.2019		End of October?
URBAN FRINGE CITY OF BOLOGNA	16.5.2019 (REPORTED)		18.9.2019
CITY OF MANTOVA	13.5.2019 (REPORTED)		16.7.2019
Carol Park and the Filaret-Rahova neighborhood (Bucharest)	4.7.2019 (REPORTED)		
ETNA LANDSCAPES	14.7.2109 (REPORTED)		

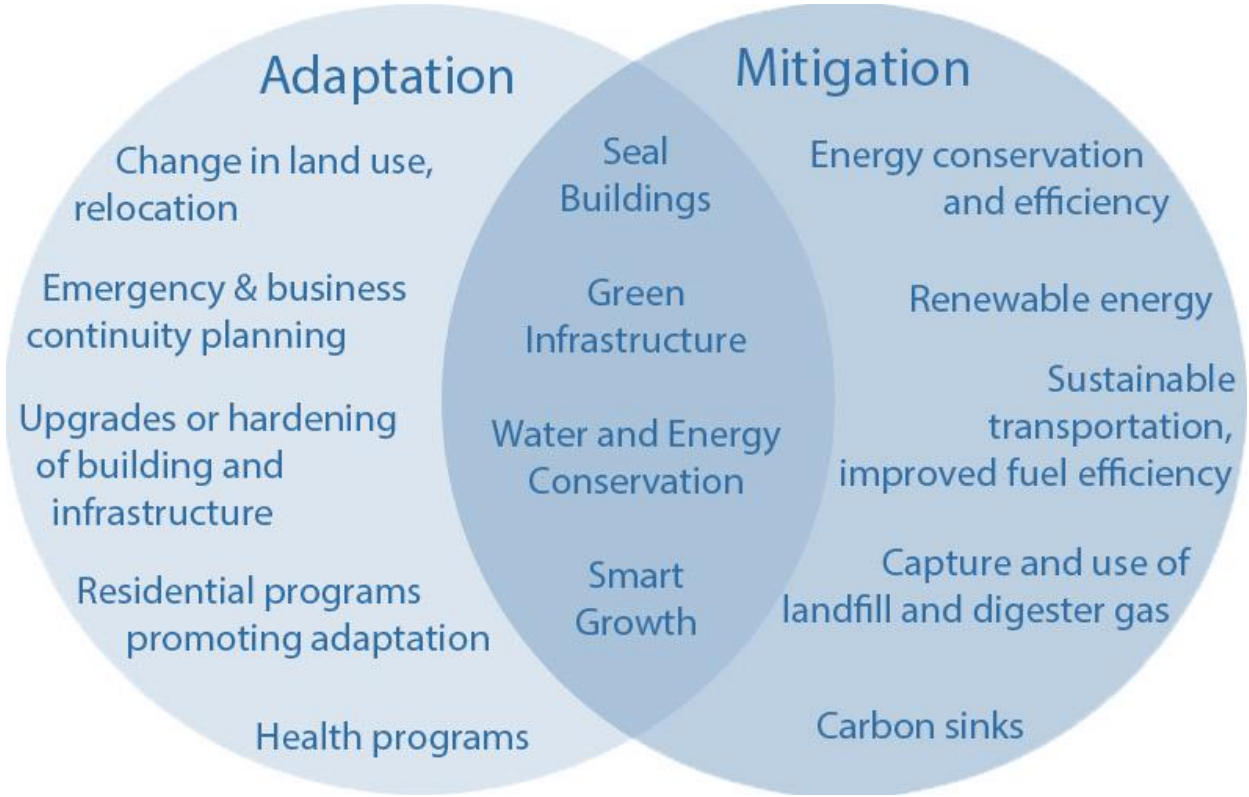
Towards a Climate-KIC Demonstrator and a LACAP?

CLIMATE CHANGE MITIGATION vs ADAPTATION

AELCLIC PROJECT J
Juanjo Galan (Aalto University)



SOURCE: WWF



SOURCE: Center for Clean Air Policy

CLIMATE CHANGE MITIGATION vs ADAPTATION

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Juanjo Galan (Aalto University)

Mitigation – reducing climate change – involves reducing the flow of heat-trapping greenhouse gases into the atmosphere,

either by reducing sources of these gases (for example, the burning of fossil fuels for electricity, heat or transport) or enhancing the "sinks" that accumulate and store these gases (such as the oceans, forests and soil). The goal of mitigation is to avoid significant human interference with the climate system, and "stabilize greenhouse gas levels in a timeframe sufficient to allow ecosystems to adapt naturally to climate change, ensure that food production is not threatened and to enable economic development to proceed in a sustainable manner" (from the 2014 report on Mitigation of Climate Change from the United Nations Intergovernmental Panel on Climate Change, page 4).

Adaptation – adapting to life in a changing climate – involves adjusting to actual or expected future climate.
The goal is to reduce our vulnerability to the harmful effects of climate change (like sea-level encroachment, more intense extreme weather events or food insecurity). It also encompasses making the most of any potential beneficial opportunities associated with climate change (for example, longer growing seasons or increased yields in some regions)….

Earth's climate has been relatively stable for the past 12,000 years and this stability has been crucial for the development of our modern civilization and life as we know it. Modern life is tailored to the stable climate we have become accustomed to. As our climate changes, we will have to learn to adapt. The faster the climate changes, the harder it could be.

While climate change is a global issue, it is felt on a local scale. Cities and municipalities are therefore at the frontline of adaptation. They are working to build flood defenses, plan for heatwaves and higher temperatures, install water-permeable pavements to better deal with floods and stormwater and improve water storage and use.

According to the 2014 report on Climate Change Impacts, Adaptation and Vulnerability (page 8) from the United Nations Intergovernmental Panel on Climate Change, governments at various) levels are also getting better at adaptation. Climate change is starting to be factored into a variety of development plans: how to manage the increasingly extreme disasters we are seeing and their associated risks, how to protect coastlines and deal with sea-level encroachment, how to best manage land and forests, how to deal with and plan for reduced water availability, how to develop resilient crop varieties and how to protect energy and public infrastructure.

SOURCE: NASA (https://climate.nasa.gov/solutions/adaptation-mitigation/

CLIMATE CHANGE SCENARIOS & HOW TO USE THEM

AELCLIC PROJECT J
Juanjo Galan (Aalto University)

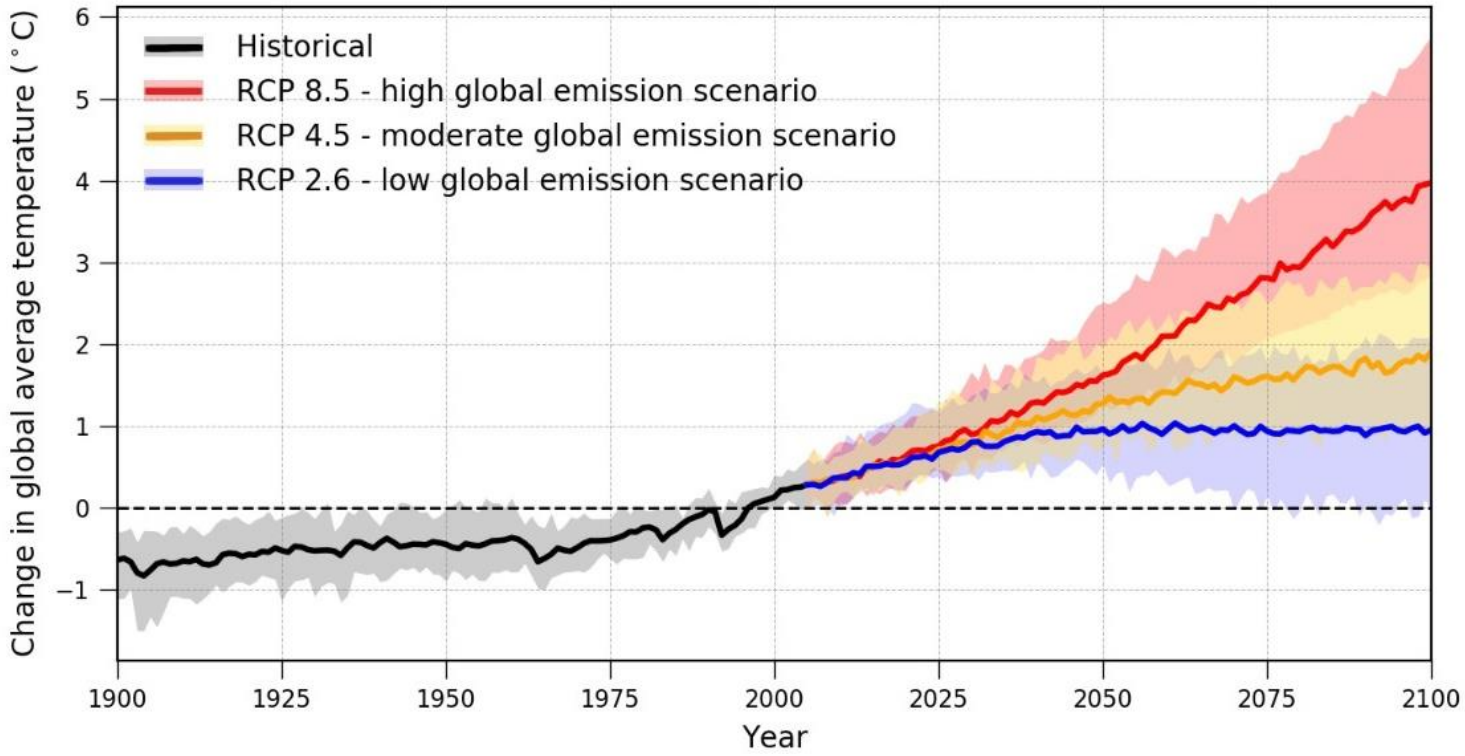
Climate change scenarios or Socioeconomic **scenarios** are projections of future greenhouse gas (GHG) emissions used by analysts to assess future vulnerability to **climate change**

A set of scenarios referred to as Representative Concentration Pathways (RCPs) are in common use to study future climate change. RCPs are designed to provide plausible future scenarios of human emissions patterns. These include consideration of future greenhouse gas emissions, deforestation, population growth and many other factors.

Based on best practices in the global science community, we usually presents 3 RCPs:

- RCP8.5: high global emission scenario. This scenario indicates global average warming levels of 3.2 to 5.4°C by 2090.
- RCP4.5: medium global emission scenario, includes measures to limit (mitigate) climate change. This scenario indicates global average warming levels of 1.7 to 3.2°C by 2090.
- RCP2.6: low emission global scenario, requires strong mitigation actions. This scenario indicates global average warming levels of 0.9 to 2.3°C by 2090

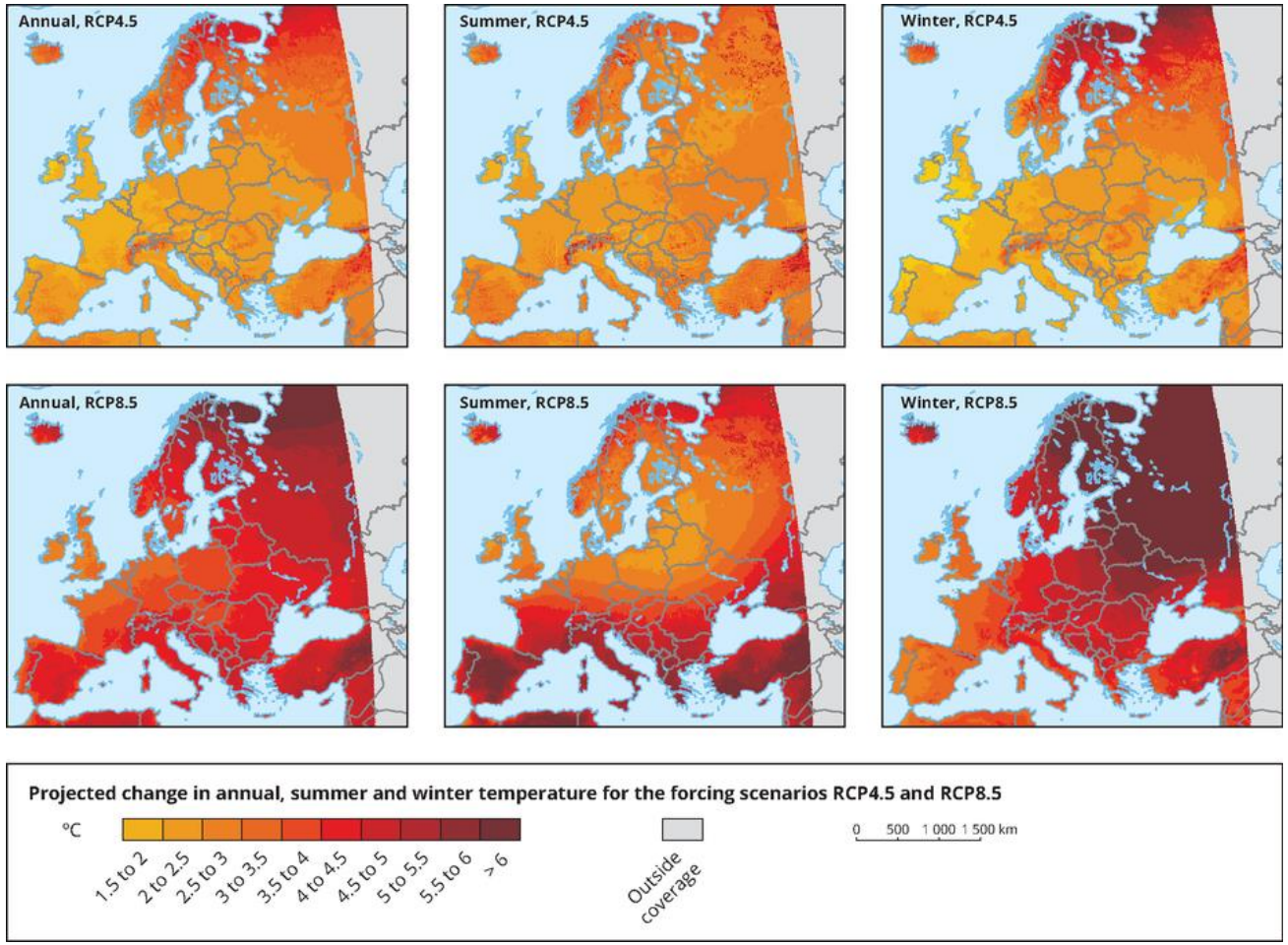
(source: Scenarios and climate models; Government of Canada)



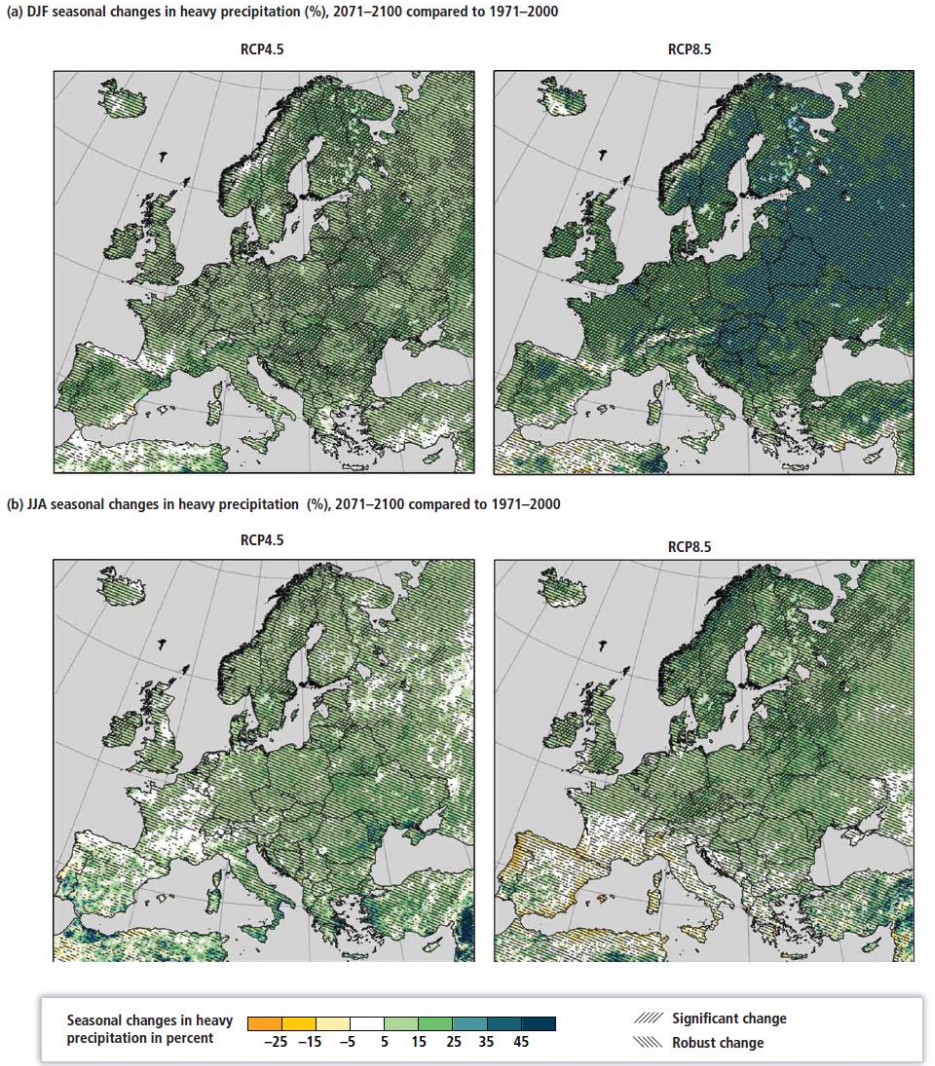
CLIMATE CHANGE SCENARIOS & HOW TO USE THEM

AELCLIC PROJECT J
Juanjo Galan (Aalto University)

Climate change scenarios or Socioeconomic **scenarios** are projections of future greenhouse gas (GHG) emissions used by analysts to assess future vulnerability to **climate change**



The climate projections summarized in the IPCC AR5 project that global temperature will increase by mid-century (2046–2065 relative to 1986–2005) by 0.4–1.6 °C for the lowest available Representative Concentration Pathway (RCP2.6), by 0.9–2.0 °C for the middle pathway (RCP4.5), by 0.8–1.8 °C for RCP6.0 and by 1.4–2.6 °C for the highest emissions scenario (RCP8.5). (Source: European Environmental Agency)



Projected seasonal changes in heavy precipitation for the period 2071–2100 compared to 1971–2000 (in %) in the months December to February (DJF) and June to August (JJA) in different scenarios or regional model simulations (Source: WGIIAR5-Chap23; Adapted from Jacob et al., 2013.)

WORKING ON CLIMATE CHANGE ADAPTATION

AELCLIC PROJECT J
Juanjo Galan (Aalto University)

Climate ADAPT SHARING ADAPTATION INFORMATION ACROSS EUROPE

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About Climate-ADAPT

The European Climate Adaptation Platform Climate-ADAPT is a partnership between the European Commission and the European Environment Agency (EEA). Climate-ADAPT is maintained by the EEA with the support of the European Topic Centre on Climate Change Impacts, Vulnerability and Adaptation (ETC/CCA).

Climate-ADAPT aims to support Europe in adapting to climate change helping users to access and share data and information on:

- Expected climate change in Europe
- Current and future vulnerability of regions and sectors
- EU, national and transnational adaptation strategies and actions
- Adaptation case studies and potential adaptation options
- Tools that support adaptation planning

Climate-ADAPT organizes information under the following main entry points:

- EU Policy: EU Adaptation Policy, Adaptation in EU Policy Sectors (Agriculture, Biodiversity, Coastal areas, Forestry, Water management, Marine and fisheries, Ecosystem-based Approaches, Disaster Risk Reduction, Buildings, Energy, Transport, Health, Urban), EU Regional Policy
- Countries, Transnational regions, Cities
- Knowledge: Topics, Data and indicators, Research projects, Tools, Practice
- Networks

The platform includes a database that contains quality checked information that can be easily searched.

> EC Directorate-General for Climate Action (DG CLIMA)

> European Environment Agency (EEA)

> European Topic Centre on Climate Change Impacts, Vulnerability and Adaptation (ETC/CCA)

A concise and comprehensive description of the Climate-ADAPT platform can be found in the Climate-ADAPT profile

Climate-ADAPT Strategy 2019-2021: the planning instrument with the objectives, governance and priority lines of activities

The evaluation carried out on Climate-ADAPT in 2017 is described in the EEA report Sharing information across Europe and in the ETC/CCA Technical paper Sharing adaptation knowledge across Europe: Evidence for the evaluation of Climate-ADAPT

Image credits: Carmelo Fulco, Environment & Me /EEA, 2017

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Summary | Policy & legal framework | Sectors & actions | Assessments | Engaging stakeholders | Contact

Last update:Aug 08, 2019

Item	Status	Links
National Adaptation Strategy	• Adopted	• The National Climate Change Adaptation Plan 2022 of Finland (The Government Resolution, 20.11.2015) • Finland's National Strategy for Adaptation to Climate Change (2005)
National Adaptation Plan	• Adopted	• Action Plan for the Adaptation to Climate Change of the Environmental Administration 2022 (2016) • Action Plan for the Adaptation to Climate Change of the Ministry of Agriculture and Forestry 2011-2015 • Adaptation to Climate Change in the Administrative Sector of the Ministry of the Environment (2008) • Action Plan 2011-2012 • Climate Policy Programme for the Ministry of Transport and Communications' administrative sector for 2009-2020 (2015) • The Climate change adaptation strategy for the Helsinki Metropolitan Area • Climate Programme for Finnish Agriculture – Steps towards Climate Friendly Food 2014
Impacts, vulnerability and adaptation assessments		• Vulnerability Assessment of ecosystem services for Climate Change Impacts and Adaptation (VACCIA) • Climate change: a regional assessment of vulnerability and adaptive capacity for the Nordic countries (CARAVAN) • Assessing the adaptive capacity of the Finnish environment and society under a changing climate (FINADAPT) • Map-based assessment of vulnerability to climate change employing regional indicators (MAVERIC) • Anticipatory management of short term weather, economic and climate risks (ELASTINEN) 2015-2016 • Assessment of weather and climate risks (SIETO) 2017-2018
Research programs		• Climate Change Adaptation Research Programme ISTO • Finnish Research Programme on Climate Change FICCA (in Finnish only) • Security in a Networked World (2016-2019) • A Climate-Neutral and Resource-Scarce Finland (2015-2021) • Functioning of forest ecosystems and use of forest resources in changing climate -MIL • Finnish Meteorological Institute - Climate change research
Meteorological observations	• Established	• Finnish Meteorological Institute
Climate projections and services	• Established	• Finnish Meteorological Institute, Climate Service Centre • Finnish Environment Institute (SYKE), flood forecasting and monitoring
CC IVA portals and platforms		• General web portal • Sustainability responsibility at Finnish Meteorological Institute's Climate Service Centre • Ministry of Agriculture and Forestry • Finnish Environment Institute (SYKE), flood forecasting and monitoring • Planning tools for Climate Resilient City
Monitoring, indicators, methodologies		• Evaluation of the Implementation of Finland's National Strategy for Adaptation to Climate Change 2009 • Assessment Report (2013) • Evaluation of the Finland's National Strategy for Adaptation to Climate Change 2013 • Finnish National Risk Assessment 2015 and 2018
Monitoring Mechanism Regulation	• Last reporting on Adaptation (Art. 15) submitted	• 2019 submission
National Communication to the UNFCCC	• Last National Communication Submitted	• UNFCCC NC7

WORKING ON CLIMATE CHANGE ADAPTATION

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Climate ADAPT SHARING ADAPTATION INFORMATION ACROSS EUROPE

Baltic Sea

Region's countries

Denmark, Estonia, Finland, Germany, Latvia, Lithuania, Poland, Sweden, Norway, the north-western regions of Russia, Belarus

4. Adaptation strategies and plans

The Baltadapt project, which had been financed under the INTERREG IV B Baltic Sea Programme 2007-2013, produced an adaptation strategy for the Region, which is accompanied by guidelines and a non-binding action plan. The 2014 CBSS high level political meeting endorsed the adaptation strategy in the document 'Decision by the Council of the Baltic Sea States on a review of the CBSS long term priorities'. The Baltadapt Strategy for Adaptation to Climate Change for the Baltic Sea Region is one of the few examples of transnational adaptation strategies in Europe. The strategy intends to complement national and sub-national adaptation processes in the Baltic Sea region, in particular by improving coordination across levels and sectors by means of information sharing and development of networks. The Baltadapt strategy has been integrated into the EUSBSR strategy, in particular through the EUSBSR Horizontal Action on Climate, which aims at increasing awareness and capacity for climate change adaptation in the region, focusing in particular on the local and regional level.

The CBSS has established the BSR Climate Dialogue Platform, which aims at making regionally specific climate adaptation materials publicly available through the Climate-ADAPT platform and at developing a joint capacity training and awareness raising project. The BSR Climate Dialogue platform has been endorsed by the CBSS Foreign Ministers and holds regular meetings of representatives of national governments, the EC and BSR flagship projects to discuss the progress of implementation of the EUSBSR HA Climate and the BSR adaptation strategy.

Examples of projects funded in the 2014–2020 period

Up to June 2018, none of the projects approved by the Baltic Sea Region INTERREG V B Baltic Sea Programme 2014-2020 seems to directly address climate change adaptation related challenges. However, the INTERREG V A Central Baltic Programme 2014-2020, which includes a significant portion of Central Baltic in its cooperation area (consisting of parts of Finland, Sweden, Estonia and Latvia), has funded the EUSBSR flagship project iWater (Integrated Storm Water Management), which ran from 2015 to 2018.

While previous projects implemented in the framework of the INTERREG IV B Baltic Sea Programme 2007-2013 (e.g. BaltCICA, Baltadapt, or BalticClimate) had a cross-sector approach to climate change adaptation, iWater had a sectoral emphasis on water management. In particular, it aimed to improve urban planning practices in the cities of the Baltic Sea region through the development of an integrated storm water management system. The project partner cities and municipalities (Riga and Jelgava in Latvia, Söderhamn and Gävle in Sweden, Tartu in Estonia, Helsinki and Turku in Finland) adopted new programmes and tools that were eventually integrated into urban planning processes. Using these pilot sites as examples, transferable guidelines and tools were developed in the partnering cities with the involvement of local stakeholder and interest groups. Approximately 35 other Baltic Sea cities were trained to use developed methods in the region.

Northern Periphery and Artic

Region's countries

Parts of Finland, Ireland, Sweden United Kingdom (Northern Ireland and Scotland) and Norway, the entire Iceland, as well as Greenland and Faroe Islands (Denmark).

Examples of projects funded in the 2014–2020 period

Examples of projects funded by the NPA Programme 2014-2020 are reported below.

The CLIMATE (Collaborative Learning Initiative Managing and Adapting to the Environment) project (2017-2020) aims to promote and improve climate change awareness in European peripheral rural communities through a knowledge-based approach and community led sustainable resource planning. It brings together local authorities in remote, sparsely populated areas from Sweden, Northern Ireland, Republic of Ireland and the Faroer islands with the aim to develop adaptation plans. The project plans to develop a risk assessment and preparedness scale as well as a portal and knowledge hub that ensure transferability of project outcomes to other local authorities in the region.

The ANH (Adapt Northern Heritage) project (2017-2020) is supporting communities and local authorities to adapt northern cultural heritage to the environmental impacts of climate change and associated natural hazards through community engagement and informed conservation planning. The project will develop an on-line tool to assess the risks for and vulnerabilities of historic places, e.g. due to flood events, coastal and riverbank erosion, rising sea levels, severe storms and permafrost thawing. It will provide guidance for the planning of strategic adaption measures that take into account cultural, economic, environmental and social sustainability. The tool will be developed, tested and demonstrated in nine case studies, in Iceland, Ireland, Norway, Russia, Sweden and Scotland, for which adaptation actions plans will be produced.

The Water-Pro (Northern Runoffs into Profits) project (2016-2019) aims to develop and transfer eco-efficient tools and models for runoff management in the field of agriculture and mineral extraction in Northern and Arctic areas. Runoffs from both of these sectors have large volumes, but low concentrations of nutrients and other compounds; therefore, some similar measures and practices could be applied in the two sectors. More frequent and intense rainfall, as projected under climate change, will bring further challenges in controlling runoffs and water safety in the near future. The project will develop a toolbox of good management practices and a communication platform for the agricultural and mining extraction industries. In addition, several innovative, low cost practices will be implemented in actual pilot sites and their treatment and cost-efficiency evaluated. Water-Pro will also enhance the preparedness of responsible authorities and local resource users to protect water quality, human health, ecosystems and stimulate economic growth and development.

The RECENT (Renewable Community Empowerment in Northern Territories) project (2015-2018) aims to increase energy knowledge in rural communities and help them to have more resilient and energy efficient public infrastructure capable of handling climate change related risks. The project will develop 24 pilot community energy and energy efficiency projects across 5 NPA countries, with a focus on the innovative use of community-owned water assets.

WORKING ON CLIMATE CHANGE ADAPTATION

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Ministry of Agriculture and Forestry of Finland

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Climate change adaptation

The climate is warming in spite of the mitigation efforts, and there is no way to fully prevent climate change. Because of the warming climate and increasingly common extreme weather events and hydrological conditions, both the natural environment and societies are faced with exceptionally rapid changes.

We must prepare for and be able to adapt to the unavoidable consequences of climate change, such as increased flooding. Adaptation measures are aimed to prepare for the changing climate in all sectors of the society. Taking the adaptation measures at the earliest stage possible is the most cost-efficient way to act.

National Climate Change Adaptation Plan 2022

The aim of the National Climate Change Adaptation Plan is that the Finnish society has the capacity to adapt to changes in the climate and manage the risks associated with them. The plan was adopted as a Government Resolution on 20 November 2014.

The measures introduced by the plan help to mitigate the adverse consequences of climate change, including those to human safety and living conditions, natural environment, livelihoods and functions vital to society. The aim is also to benefit from the opportunities in terms of livelihoods and business created by the adaptation measures.

The key principle of the adaptation plan concerns the incorporation of climate change adaptation into the regular planning, implementation and development of all sectors and actions. The implementation of the plan is coordinated by the national monitoring group on climate change adaptation.

Finland's National Climate Change Adaptation Plan 2022 PDF 768kB

Adaptation and Climate Change Act

The National Climate Change Adaptation Plan is part of the planning system for climate change policy under the Climate Change Act.

WORKING ON CLIMATE CHANGE ADAPTATION

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København
CO_2-neutral
i 2025
MILJØ METROPOLEN

THE CITY OF COPENHAGEN
CLOUDBURST MANAGEMENT PLAN 2012

The process was formalized as the Copenhagen Cloudburst Formula, a six-step procedure for integrating a Blue-Green Approach:

1.Data and Investigation:

2.Modeling and Mapping

3.Cost of Doing Nothing

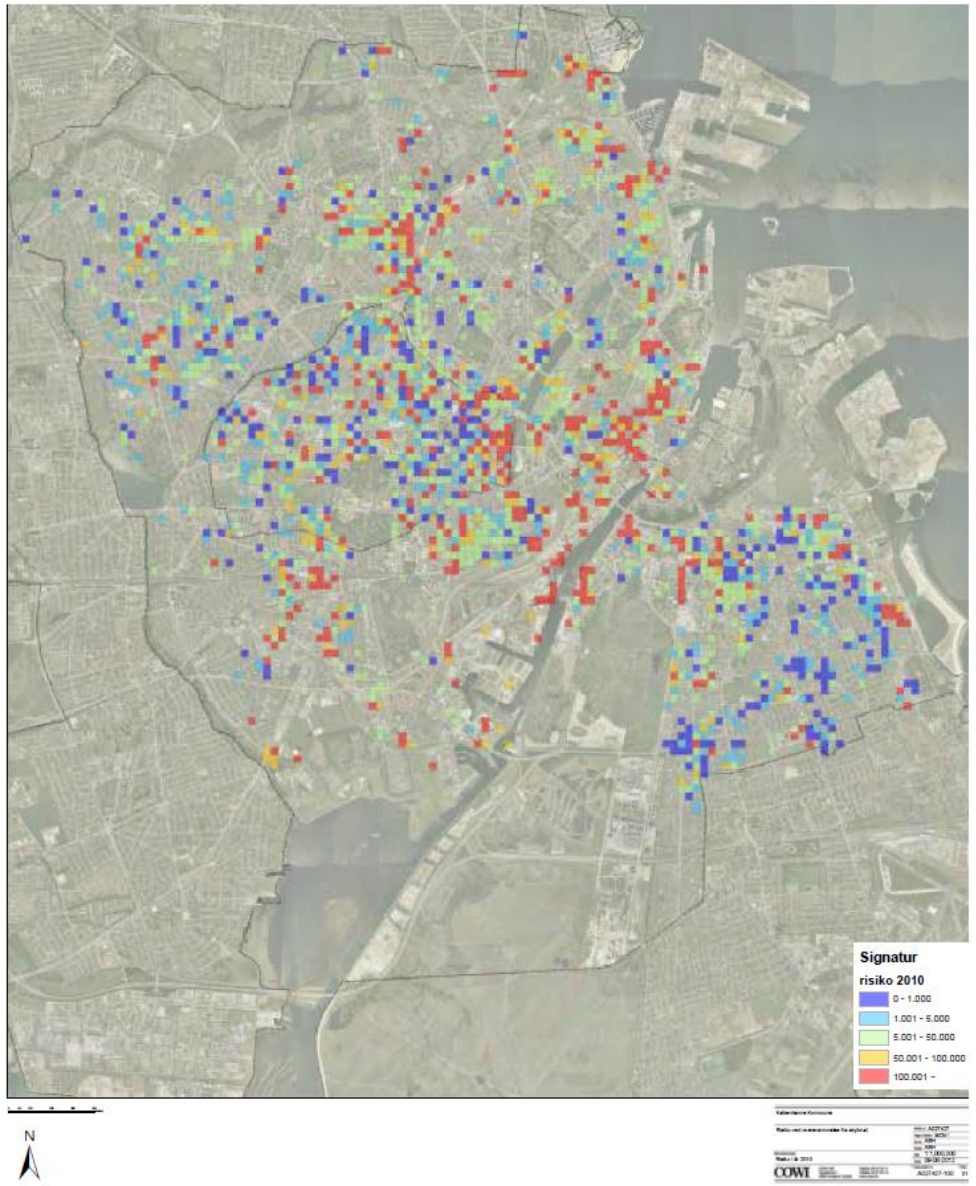
4.Design and Qualify: Hotspots were identified, transferring strategic planning to human-scale. The "Cloudburst Toolkit" was developed as a palette of universally applicable, multi-functional, flexible elements.

5.Involvement and Iteration

6. Cloudburst Economics: A detailed socio-economic Cost-Benefit Analysis (CBA) tested two masterplan options

7. Application: Two masterplan variations were developed to assess potential advantages and disadvantages – Option 1 Conventional and Option 2 Blue-Green

Source: OPPLA 2019



This map shows the areas of Copenhagen with the highest risk of significant damage as a result of high-intensity rainfall *

WORKING ON CLIMATE CHANGE ADAPTATION

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Wadden Sea Plan 2010

The Trilateral Wadden Sea Plan (WSP) is the common policy and management plan for the protection and sustainable management of the Wadden Sea Area

- *a. a natural ecosystem, its functions and characteristic biodiversity;*
- *b. resilience to climate change and other impacts;*
- *c. maintenance of the landscape and cultural heritage;*
- *d. sustainable use as defined by the Convention on Biological Diversity and the Habitats Directive;*
- *e. public support for the protection of the Wadden Sea.*

Climate change and enhanced sea level rise may seriously impact the structure, functions and characteristic biodiversity of the Wadden Sea ecosystem, as well as the safety of the inhabitants in the region.

The Trilateral Cooperation relating to the impacts of climate change started in 1998 with the establishment of the trilateral working group CPSL (Coastal Protection and Sea Level Rise). They have produced 3 reports:

- Impacts of sea level rise on the Wadden Sea ecosystem (CPSL report 1, 2001),
- Best practices to deal with enhanced sea level rise (CPSL II report, 2005)
- Relevance of spatial planning for managing the impacts of climate change and the role of sand nourishment for compensating sea level rise (CPSL III report, 2010).
- In 2011, the work of the CPSL was continued by the Task Group Climate (TG-C). TG-C has drafted astrategy on increasing the resilience of the Wadden Sea to the impacts of climate change,.

I. Integrated Ecosystem Management
1 The Ecosystem Approach
2 Overarching themes

II. The Targets
1 Landscape and Culture
2 Water and Sediment
3 Salt Marshes
4 Tidal Area
5 Beaches and Dunes
6 Estuaries
7 Offshore Area
8 Rural Area
9 Birds
10 Marine Mammals
11 Fish

III. Implementation
1 Monitoring and Assessment
2 Implementation and Review
3 Communication, Information and Education

WHAT IS NEEDED IN A (CLIMATE CHANGE ADAPTATION) PLAN?

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Juanjo Galan (Aalto University)

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WHAT IS NEEDED IN A (CLIMATE CHANGE ADAPTATION) PLAN?

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ANALYSIS AND DIAGNOSIS

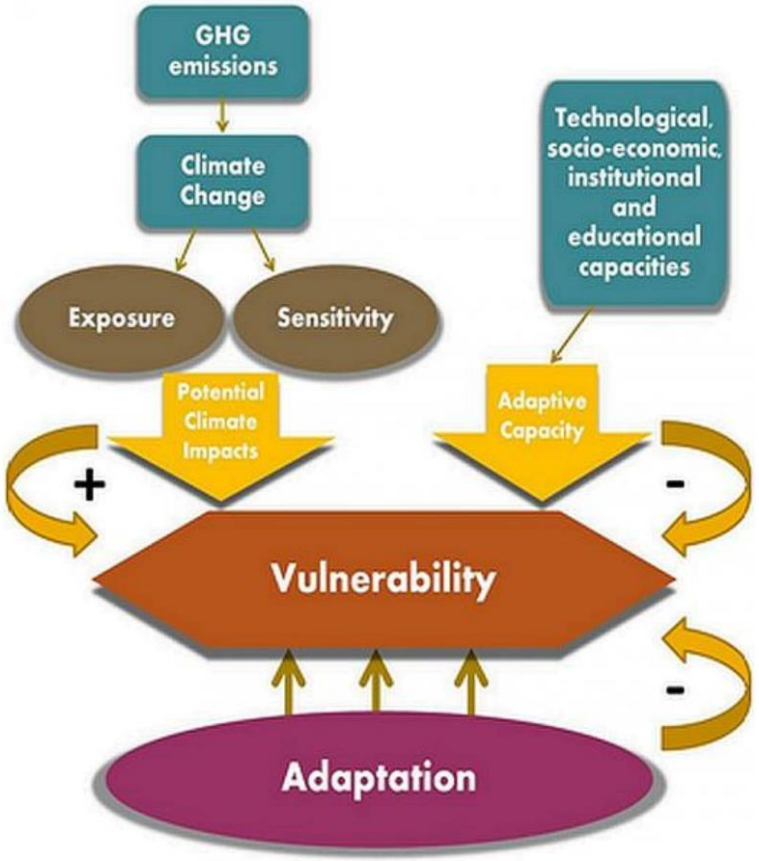
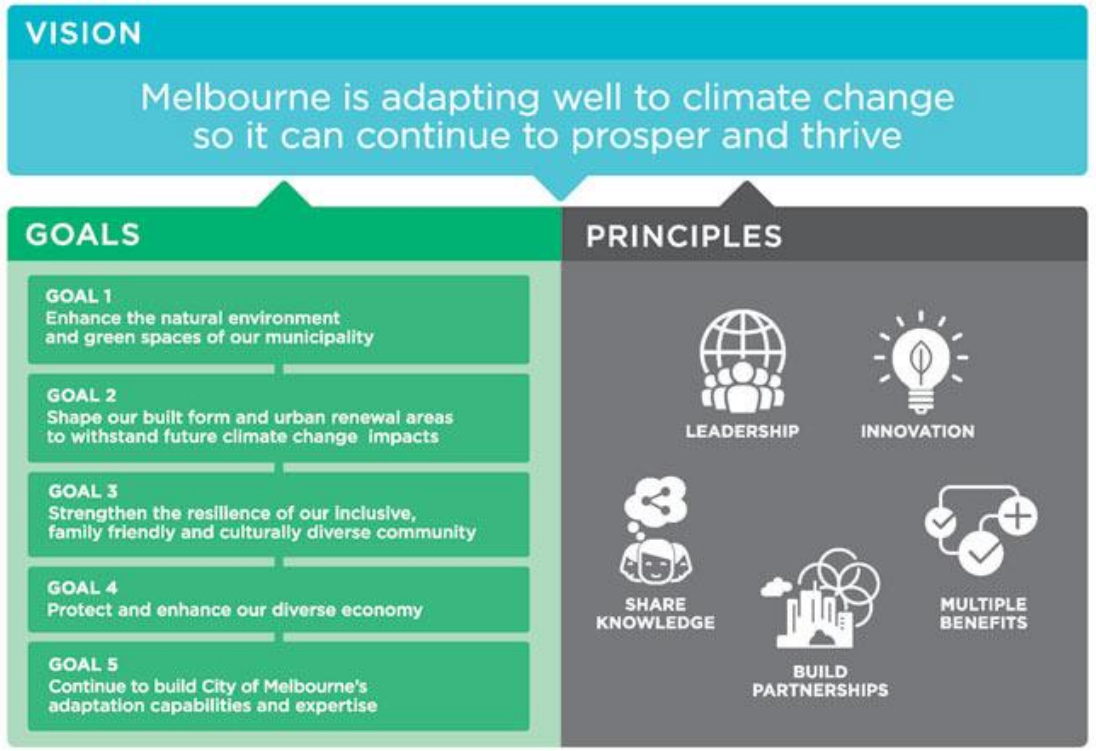


Figure 1: Climate change influences both exposure and sensitivity and therefore creates potential climate impacts, which in turn increase vulnerability. Adaptation and adaptive capacity have the potential to reduce vulnerability.

Source: Stéphane Isoard, Torsten Grothmann and Marc Zebisch, Paper presented at the Workshop 'Climate Change Impacts and Adaptation in the European Alps: Focus Water', "Climate change impacts, vulnerability and adaptation: Theory and Concepts", 2008 at UBA Vienna

GOALS AND COMMITMENTS



Source: Climate Change Adaptation Strategy_City of Melbourne

WHAT IS NEEDED IN A (CLIMATE CHANGE ADAPTATION) PLAN?

AELCLIC PROJECT J
Juanjo Galan (Aalto University)

ACTIONS & PILOTS

RESOURCES, PEOPLE AND SCHEDULE

Source: Tipperary Sustainable Energy Action Plan 2017-2020

WHAT IS NEEDED IN A (CLIMATE CHANGE ADAPTATION) PLAN?

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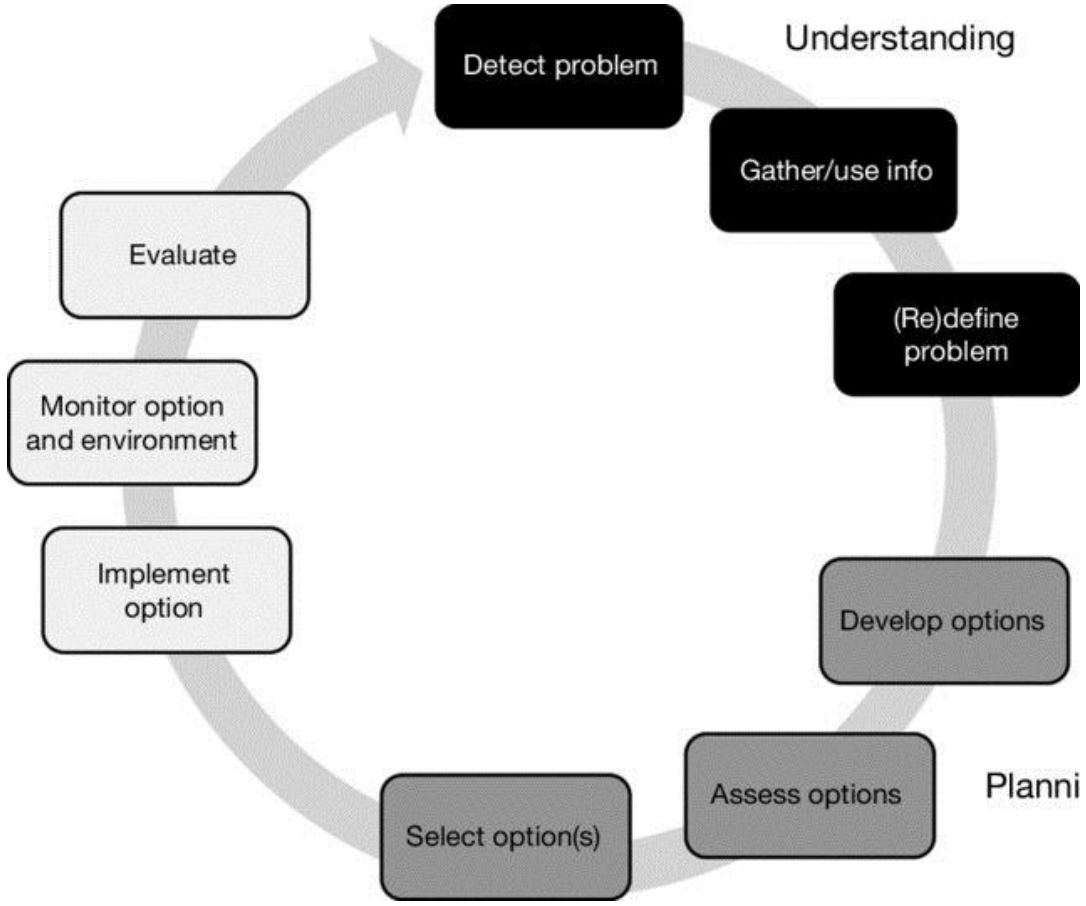
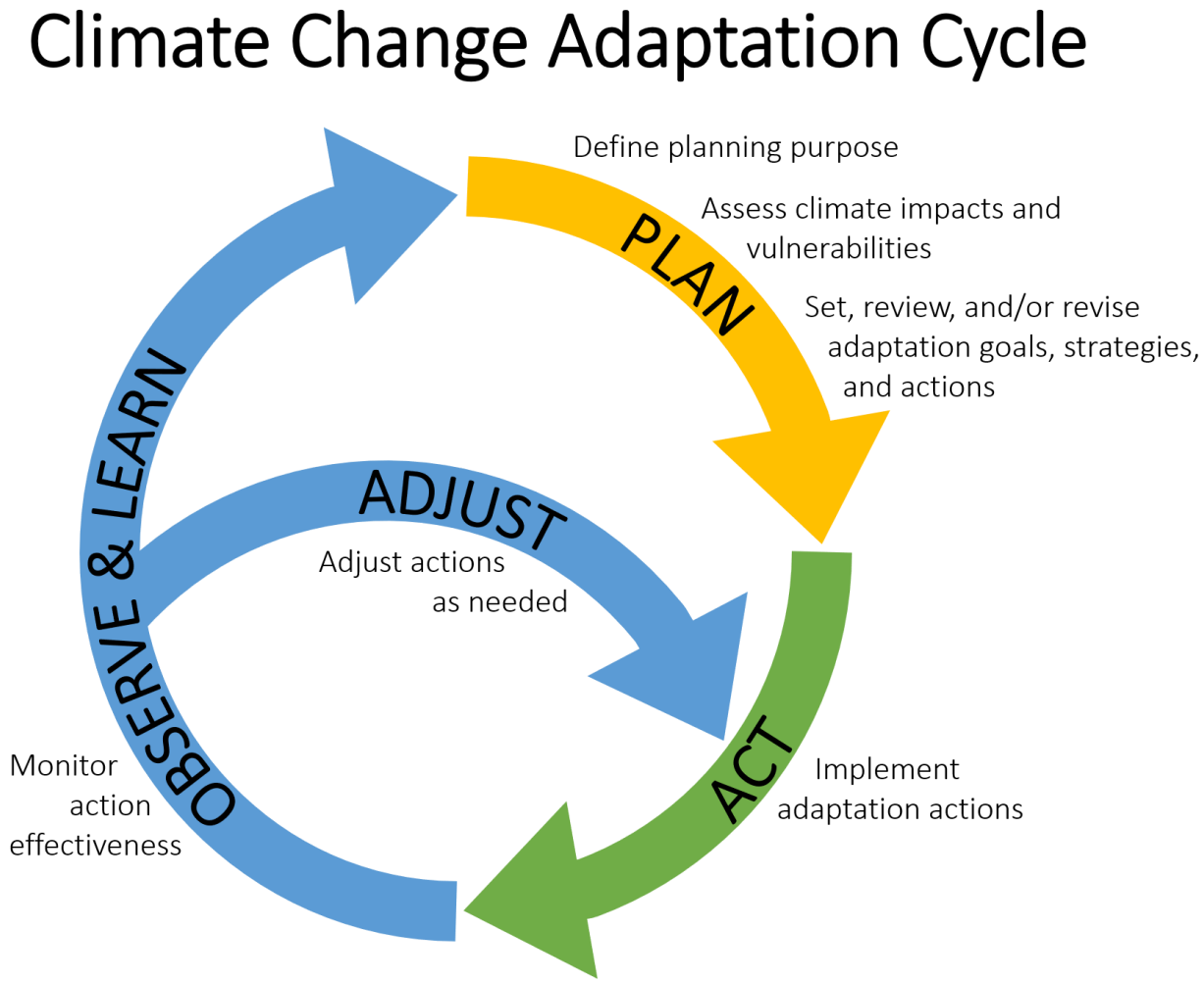
Juanjo Galan (Aalto University)

CHALLENGE, GOALS, ACTIONS, MONITORING, RESOURCES & SCHEDULE



Source: The primary phases and subphases of climate adaptation. Adapted from Moser and Ekstrom (2010)

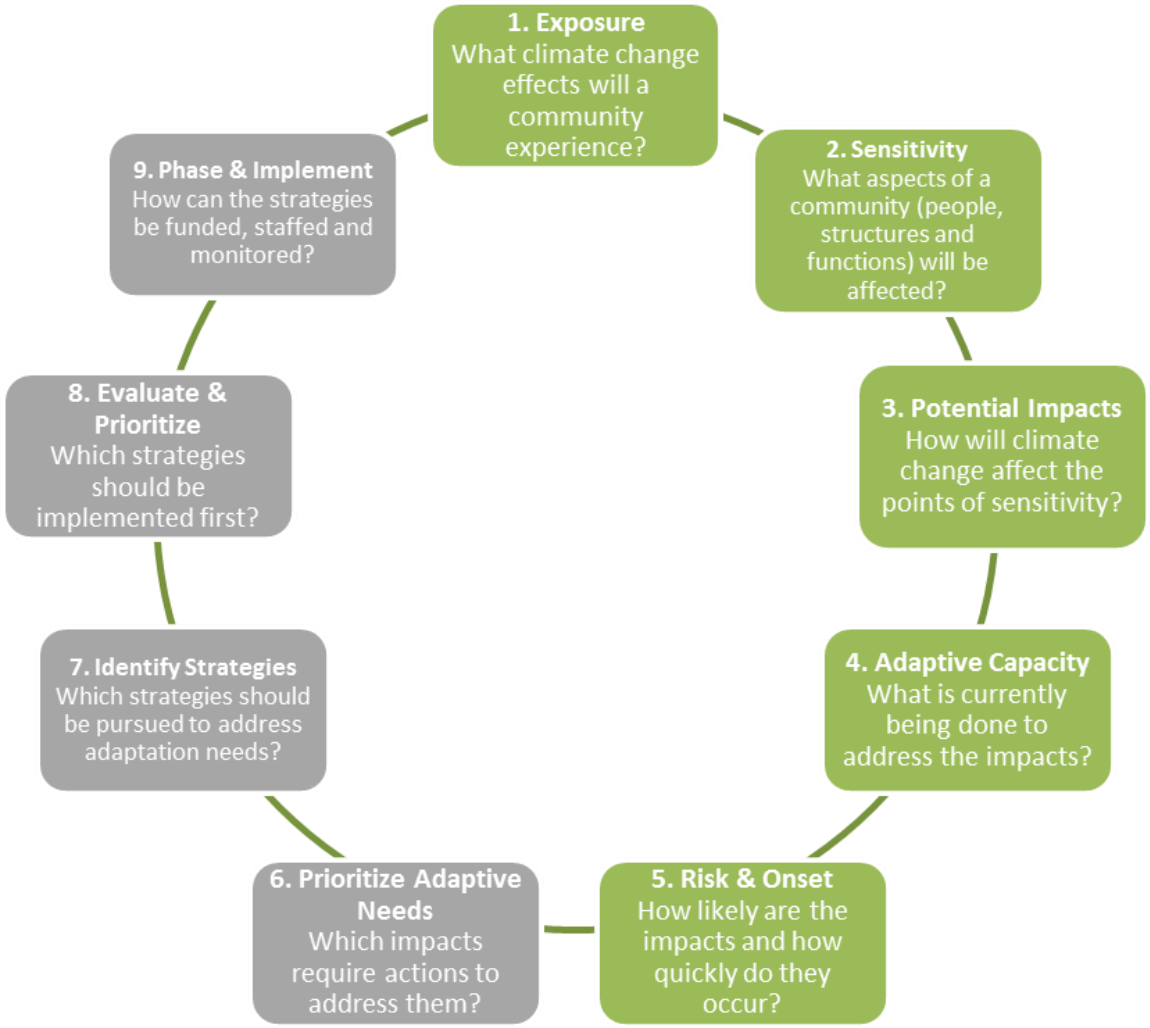


Source: The Blackfeet Climate Change Adaptation Plan – Blackfeet Country and Climate Change

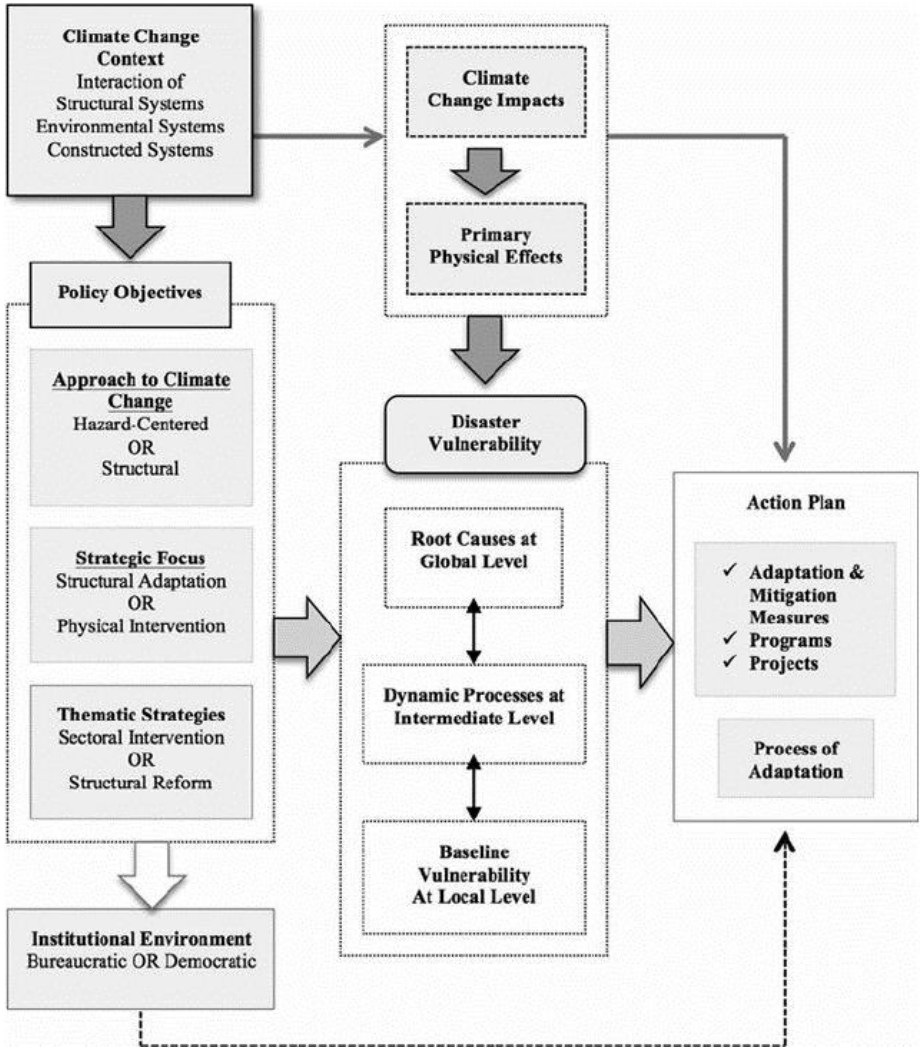
WHAT IS NEEDED IN A (CLIMATE CHANGE ADAPTATION) PLAN?

AELCLIC PROJECT J
Juanjo Galan (Aalto University)

CHALLENGE, GOALS, ACTIONS, MONITORING, RESOURCES & SCHEDULE



Source: Climate Action Planning; Sacramento County Planning)

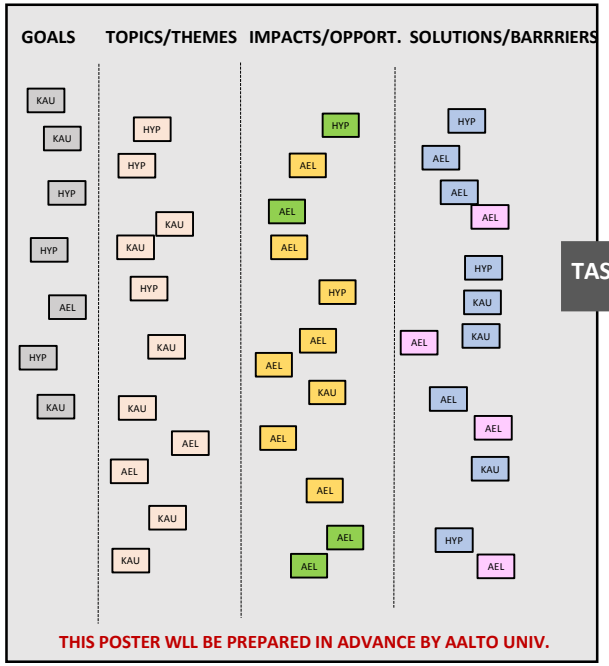


Source: AFROZA, P. Analytical-framework-to-examine-climate-change-policy

Existing information

(this poster will be prepared in advance by Aalto university)

- **HYP** (Hyypänjoki Cultural Landscape Conservation & Management Plan)
- **KAU** (Kauhajoki City Plan & Visions)
- **AEL:** AELCLIC Workshops 1 + 2

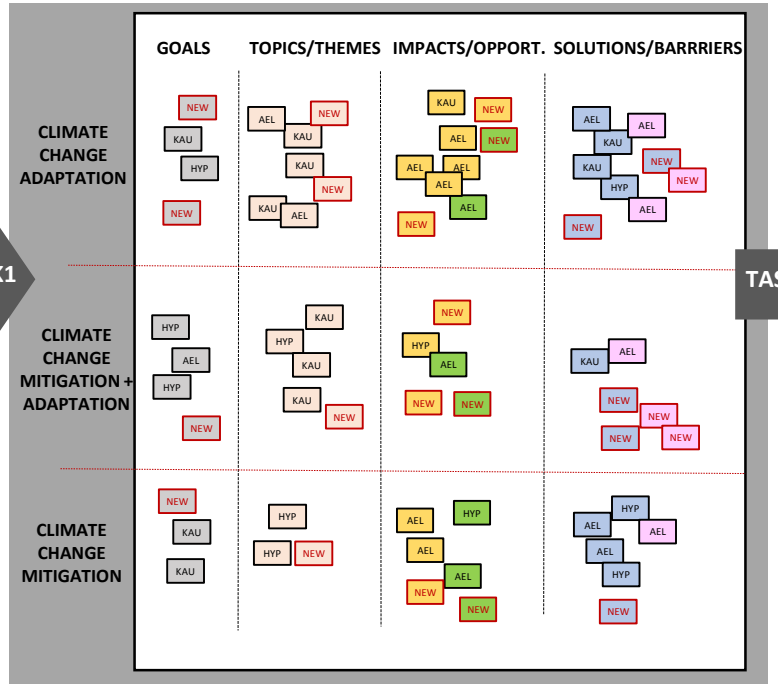


THIS POSTER WLL BE PREPARED IN ADVANCE BY AALTO UNIV.

TASK1_Synthesis of Goals, Themes, Problems , Solutions

ADDING NEW IDEAS + DIFFERENCIATNG BEETWEN CLIMATE CHANGE ADAPTATION, MITIGATION and ADAPTATION+MITIGATION

- **HYP + KAU + AEL + NEW**

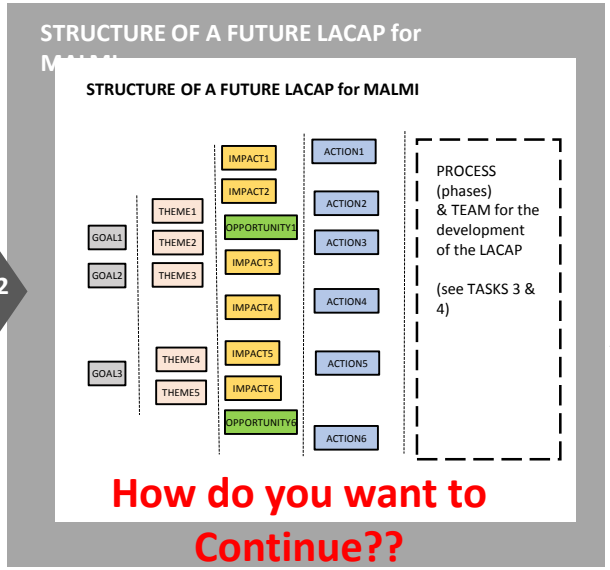


TASK1

TASK2_Structure LACAP

- **NOTE1: The Task2 (synthetic Poster) can be developed together with the different steps of the TASK 1**
- **NOTE2: The results of teh TASKS 3 and 4 should be addded to the synthetic poster**

TASK2



How do you want to Continue??

TASK3

TASK3_Process for the LACAP

Detailed ANALYSIS & DIAGNOSIS?
e.g.: Specific studies about environmental, socio-cultural, economic, safety, impacts and opportunities?

GOALS & SYNTHESIS?

ACTIONS, PILOTS?

IMPLEMENTATION & MONITORING?

TASK4

TASK4_Team & Collaborations in the LACAP

PUBLIC ADMINISTRATIONS:
- Role / Contributions / …?

COMPANIES:
- Role / Contributions / …?

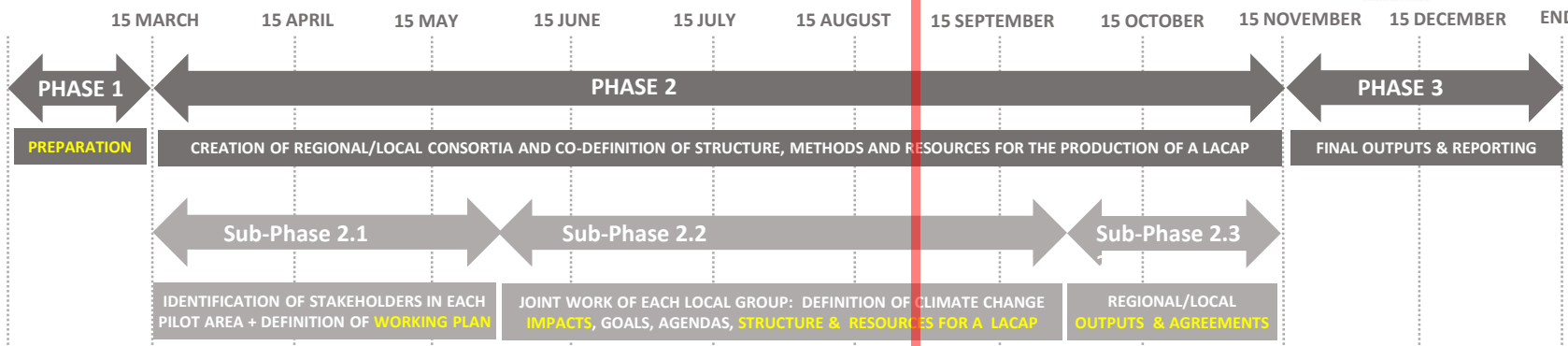
CIVIL GROUPS & ASSOCIATIONS
- Role / Contributions / …?

UNIVERSITIES
- Role / Contributions / …?

INDIVIDUALS
- Role / Contributions / …?

TOWARDS A CLIMATE-KIC DEMONSTRATOR?

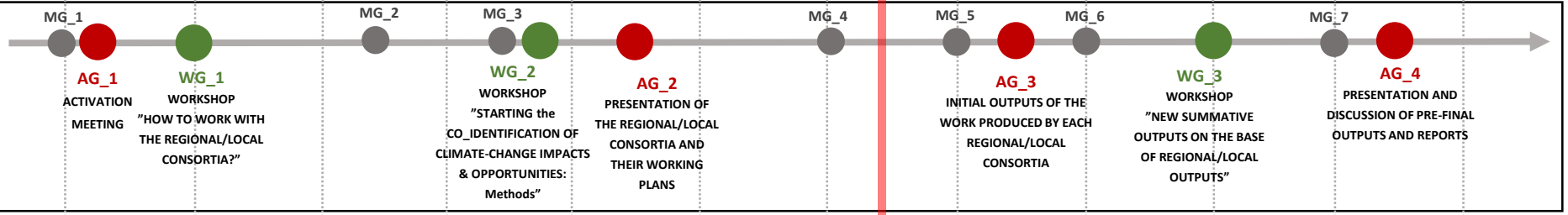
AELCLIC PROJECT J
Juanjo Galan (Aalto University)



COORDINATION & MANAGEMENT (WP1)

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

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



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

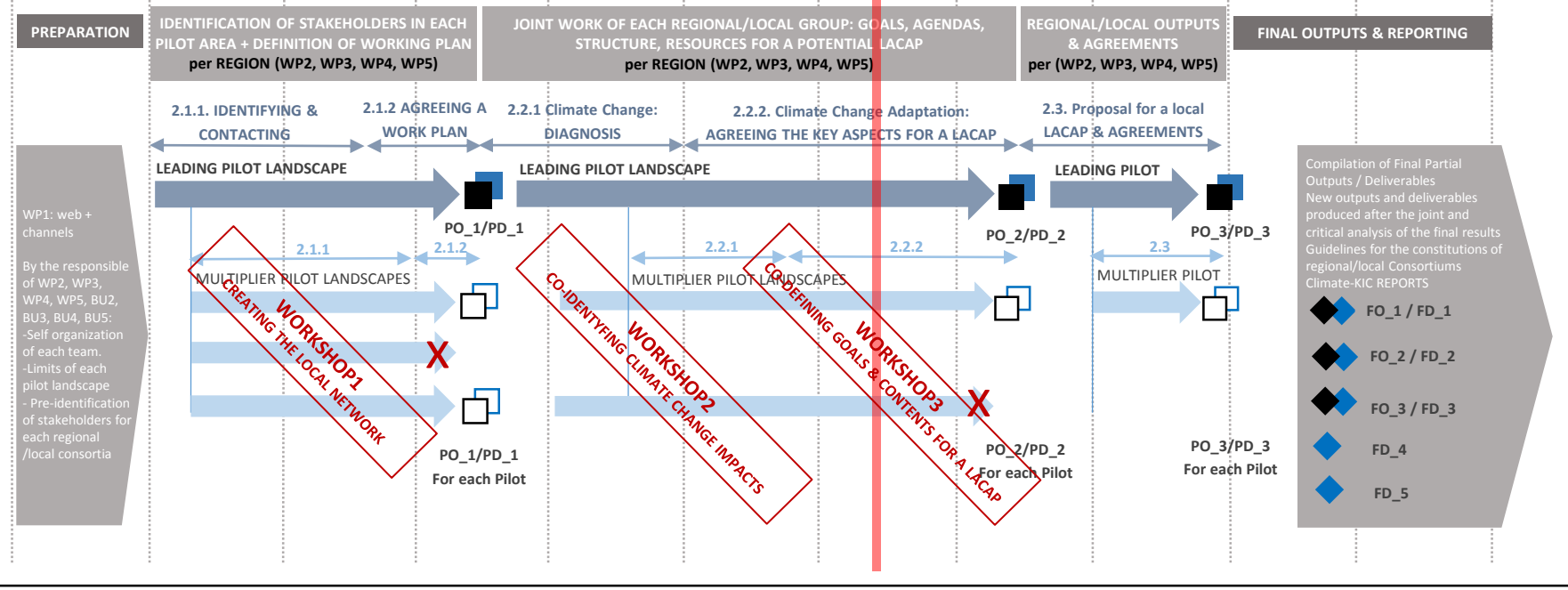
- PO_x Partial OUTPUT in LEADING PILOT / in MULTIPLIER PLOT
- PD_x Partial DELIVERABLE in LEADING PILOT/ in MULTIPLIER PILOT
- FO_y Final OUTPUT
- FD_y Final DELIVERABLE

Partial outputs/deliverables:

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

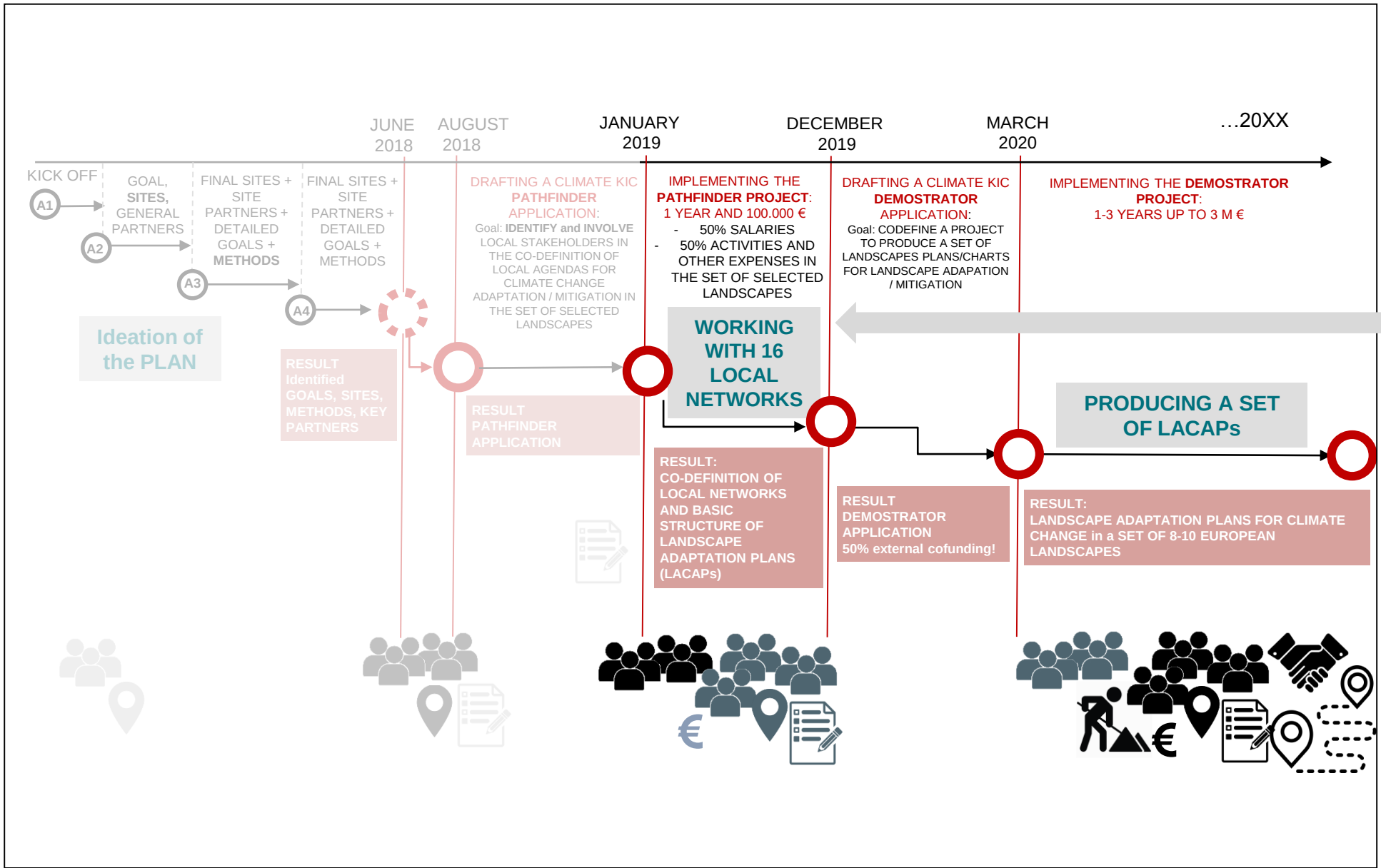
Final outputs/deliverables:

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



TOWARDS A CLIMATE-KIC DEMONSTRATOR?

AELCLIC PROJECT J
Juanjo Galan (Aalto University)



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

TOWARDS A CLIMATE-KIC DEMONSTRATOR?

AELCLIC PROJECT J
Juanjo Galan (Aalto University)

1. PARTNERS & THIRD PARTIES (ROLES, CONTRIBUTIONS)

2. PROJECT OVERVIEW

- PROJECT TITLE
- PROJECT SUMMARY
- PUBLIC DESCRIPTION
- WORKPLAN
- ROLE OF PARTNERS AND TEAM MEMBERS
- KEY OUTPUTS
- KEY DELIVERABLES
- RISK MANAGEMENT PLAN (RISKS AND SOLUTIONS)

3. PROJECT SPECIFICS

- GENERAL IMPACT
- CLIMATE IMPACT
- RESULTS AND DISSEMINATION
- GENDER
- ADDED VALUE & VALUE FOR MONEY
- PREPARATION

4. BUDGET AND STRUCTURE (WORK PACKAGES)

Preparation of the application
November 2019- March 2020

The AELCLIC Demonstrator would be a continuation of the AELCLIC pathfinder and would aim at the development of full LACAPs in those Pilot Landscapes where complete and committed Local Networks have been created.

Total Budget: 1-3 million euros to e distributed amongst the local networks

Key findings and opportunities of the AELCLIC project in relation to the **KAUHAJOKI STRATEGIC PLAN**

Kauhajoki
elävä kauppapaikka

Kauhajoen kaupungin strategia 2019-2025

Visio

KOOLLA on väliä – Kauhajoki

Tähtäämme kannattavuuteen, kasvuun ja alueen toiminnan keskipisteeksi.

Panostamme yrittäjyyteen, työpaikkojen määrään, lapsi- ja perheystävällisyyteen sekä asukkaiden hyvinvointiin.

Kaupunkimme on vuonna 2025 eteläisen Etelä-Pohjanmaan elinvoimainen Keskus isolla koolla.

Arvot – menestymisemme pohja

- **Positiivisuus** – Otamme iloisen ja reippaan asenteen aseeksemme. Pidämme pilkkeen silmäkulmassa ja mielialamme myönteisenä.
- **Yhteistyö** – Me-henkemme ja yhteistyötaitomme tekee meistä halutun kumppanin, jonka kanssa verkostoitua olipa kysymys sitten sisäisestä tai ulkoisesta toiminnasta.
- **Yrittäjyys** – Yrittäjämäinen asenne, draivi ja kehittämisenhalu kuvastaa kaupunkimme toimijoita. Teemme jokaisessa roolissa ekologisesti kestäviä ja järkeviä päätöksiä, jotka kantavat taloudellisesti ja sosiaalisesti.

4 KOOTA – Kasvun konstit

- **Kohdaten** – Kaupunki toimii kuntalaisten kohtaamisten alustana, terveyden ja hyvinvoinnin edistäminen on tärkein tehtävämme
- **Kehuen** – Markkinoinnin ja viestinnän avulla tuomme paikkakuntaamme tunnetuksi
- **Kekseliäästi** – Ideointi, kokeilut ja kehittäminen ovat toimintatapamme
- **Kannattavasti** – Kaupungin talouden saattaminen tasapainoon on ykkösprioriteettimme

Näiden konstien alle on laadittu päätoimenpiteet ja mittarit, joita toimialakohtaiset toimenpidesuunnitelmat syventävät.

Prosessi, kuinka strategia viedään arkeen

- Toteutamme kuntastrategiaa kaikissa kaupungin toiminnoissa. Strategia kertoo keinot millä saavutamme visiomme ja **olemme eteläisen Etelä-Pohjanmaan elinvoimainen keskus.**

- **Yksityiskohtaiset tavoitteet,** toimenpiteet ja investoinnit kaupungin eri tehtäville löytyvät **talousarviosta, palvelusuunnitelmista sekä toimialakohtaisista toimenpideohjelmista**, jotka toteuttavat strategian tavoitteita. Strategia koskettaa kaikkia organisaation tasoja.

- Toimialakohtaiset palvelusuunnitelmat ja toimenpideohjelmat kertovat panostuksista, tulostavoitteista ja mittareista strategian toteuttamiseksi. Toimenpideohjelma kertoo mitä tehdään, kuka tekee, miten ja milloin.

- Strategiaa seurataan, arvioidaan ja päivitetään valtuustokauden kuluessa. Johtoryhmä tarkastelee strategian toteutumista puolivuosittain.

- Lisäksi strategian toteutumista ohjataan ja seurataan kehityskeskusteluissa organisaation kaikille tasoilla.

- Esimiesten rooli innostajina ja toimintakulttuurin muuttajina on tärkeä!

Key findings and opportunities of the AELCLIC project in relation to the **HYYPÄNJOKI CULTURAL LANDSCAPE CONSERVATION & MANAGEMENT PLAN**

HYYPÄNJOKILAAKSON MAISEMANHOITO

Käyttö- ja hoitosuunnitelma

AELCLIC-hanke WS III 6.9.2019

Maisema-arkkitehti, Master of Urban Planning Marketta Nummijärvi

Arvot? Arvokkaat piirteet?

Maisema-arvoja vaalittava – mitä se tarkoittaa?

Hyypänjokilaakson maisemanhoidon tärkein tavoite on kylien elinvoimaisuuden, perinteisen kulttuurimaiseman rakenteen, avoimuuden ja luontoarvojen säilyttäminen.

- **Toimiva maatalous ja yritykset, yhteisöllisyys, identiteetti**
- **Avoimet pellot, rakentamisen vyöhyke, kylä- ja tiemiljöö, maiseman yksityiskohdat**
- **Näkymät, väljyys**
- **Luontoarvot, erityisesti kulttuurivaikutteinen eliöstö**

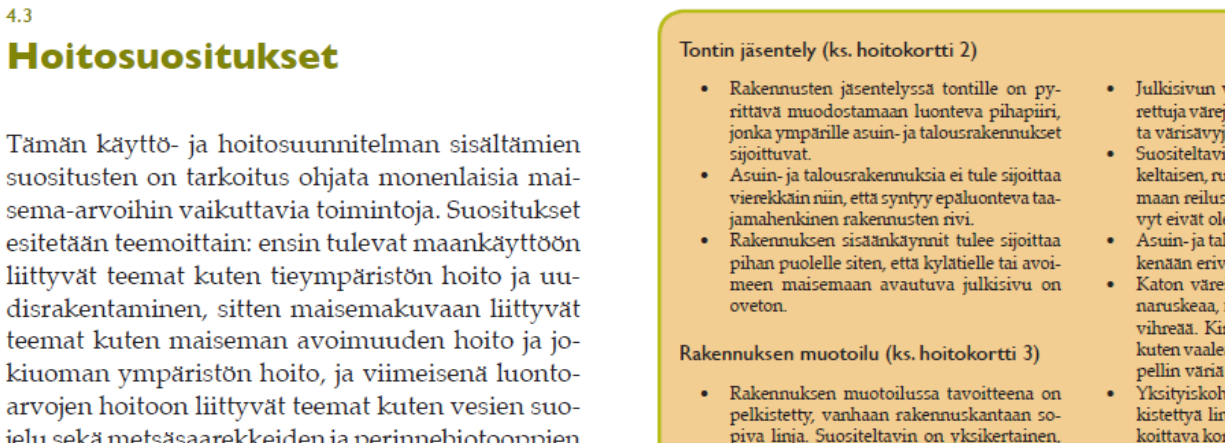
MAANVILJELYN JATKUMINEN ON EDELLYTYS MAISEMAN SÄILYMISELLE

- Miten varmistetaan maanviljelyn jatkumisen edellytykset alueella ilmastonmuutoksesta huolimatta?
- Miten ilmastonmuutos uhkaa kylien elinvoimaisuutta, perinteistä kulttuurimaiseman rakennetta, avoimuutta ja luontoarvoja?
- Miten säilytetään toimiva maatalous ja yritykset, yhteisöllisyys, identiteetti, avoimet pellot, rakentamistapa, kylä- ja tiemiljöö, maiseman yksityiskohdat, näkymät, väljyys ja luontoarvot ml. kulttuurivaikutteinen eliöstö, jos ilmastonmuutos tuo muutoksia maisemaa muokkaaviin prosesseihin?

Miten ilmastonmuutos vaikuttaa maiseman osatekijöihin ja kuinka se voidaan huomioida hoitosuosituksissa?

Hoitosuositusten teemat:

- Maankäyttö
- Tieympäristö
- Virkistys
- Rakentaminen
- Maisemakuvan avoimuus ja maaseutumainen luonne
- Uoman ja jokivarsien puhtaanapito
- Perinnebiotoopit
- Pihat
- Talousmetsien hoito
- Metsäsaarekkeet, yksittäispuut
- Vesien suojelu, eroosion esto
- Luontoarvokohteet



4.3

Hoitosuositukset

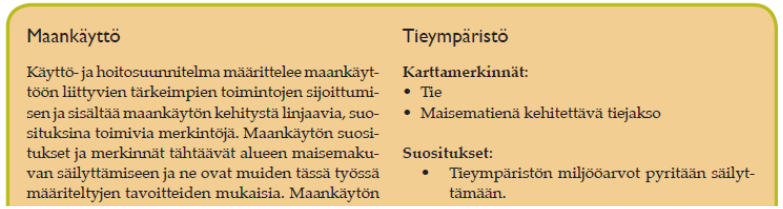
Tämän käyttö- ja hoitosuunnitelman sisältämien suositusten on tarkoitus ohjata monenlaisia maisema-arvoihin vaikuttavia toimintoja. Suositukset esitetään teemoittain: ensin tulevat maankäyttöön liittyvät teemat kuten tieympäristön hoito ja uudisrakentaminen, sitten maisemakuvaan liittyvät teemat kuten maiseman avoimuuden hoito ja jokiuoman ympäristön hoito, ja viimeisenä luontoarvojen hoitoon liittyvät teemat kuten vesien suojelu sekä metsäsaarekkeiden ja perinnebiotooppien

Tontin jäsentely (ks. hoitokortti 2)

- Rakennusten jäsentelyssä tontille on pyrittävä muodostamaan luonteva pihapiiri, jonka ympärille asuin- ja talousrakennukset sijoittuvat.
- Asuin- ja talousrakennuksia ei tule sijoittaa vierekkäin niin, että syntyy epäluonteva taajamahenkinen rakennusten rivi.
- Rakennuksen sisäänkäynnit tulee sijoittaa pihan puolelle siten, että kylätielle tai avoimeen maisemaan avautuva julkisivu on oveton.

Rakennuksen muotoilu (ks. hoitokortti 3)

- Rakennuksen muotoilussa tavoitteena on pelkistetty, vanhaan rakennuskantaan sopiva linja. Suositeltavin on yksikertainen,



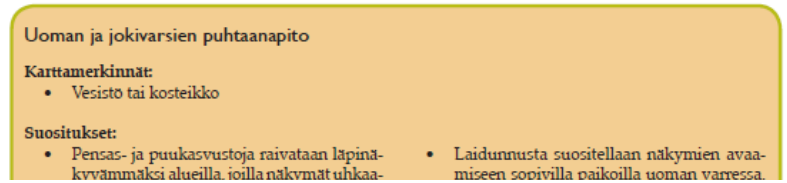
Maankäyttö

Käyttö- ja hoitosuunnitelma määrittelee maankäyttöön liittyvien tärkeimpien toimintojen sijoittumisen ja sisältää maankäytön kehitystä linjaavia, suosituksina toimivia merkintöjä. Maankäytön suositukset ja merkinnät tähtäävät alueen maisemakuvan säilyttämiseen ja ne ovat muiden tässä työssä määriteltyjen tavoitteiden mukaisia. Maankäytön

Tieympäristö

Karttamerkinnät:
- Tie
- Maisematienä kehitettävä tiejakso

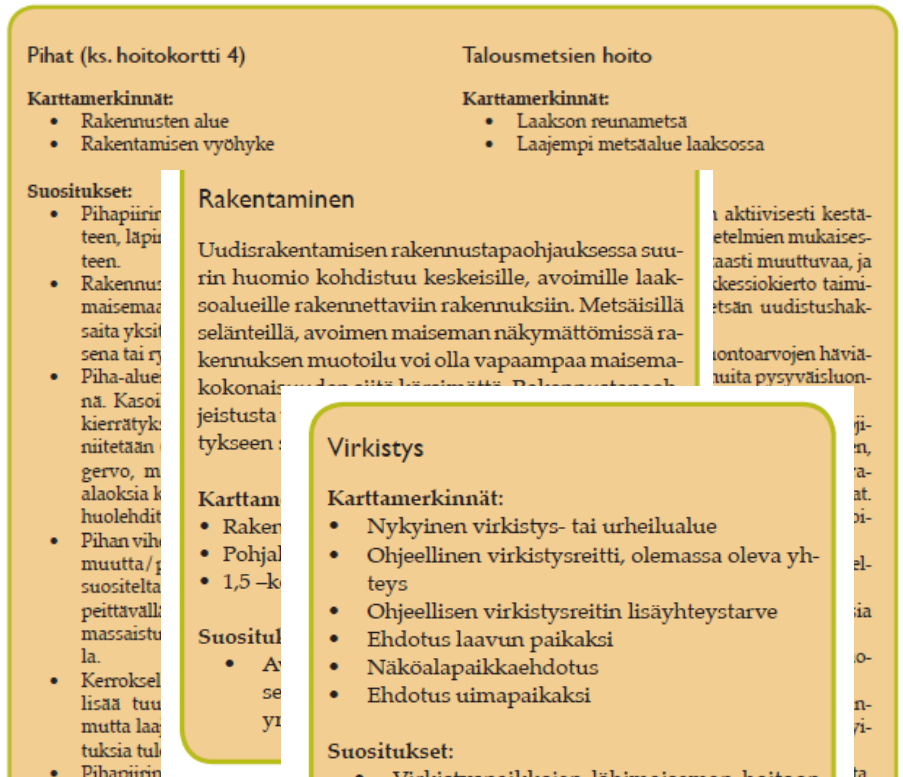
Suositukset:
- Tieympäristön miljööarvot pyritään säilyttämään.



Uoman ja jokivarsien puhtaanapito

Karttamerkinnät:
- Vesistö tai kosteikko

Suositukset:
- Pensas- ja puukasvustoja raivataan läpinäkyvämmäksi alueilla, joilla näkymät uhkaa-
- Laidunnusta suositellaan näkymien avaamiseen sopivilla paikoilla uoman varressa.



Pihat (ks. hoitokortti 4)

Karttamerkinnät:
- Rakennusten alue
- Rakentamisen vyöhyke

Suositukset:
- Pihapiiri
teen, läpi
teen.
- Rakennus
maisemaa
saita yksi
sena tai r
- Piha-alue
nä. Kasoi
kierrätyk
niitetään
gervo, m
alaoksia k
huolehdit
- Pihan vih
muutta/
suositelta
peittävällä
massaistu
la.
- Kerroksel
lisää tuu
mutta laa
tuksia tul
- Pihapiiri

Talousmetsien hoito

Karttamerkinnät:
- Laakson reunametsä
- Laajempi metsäalue laaksossa

Rakentaminen

Uudisrakentamisen rakennustapaohjauksessa suurin huomio kohdistuu keskeisille, avoimille laaksoalueille rakennettaviin rakennuksiin. Metsäisillä selänteillä, avoimen maiseman näkymättömissä rakennuksen muotoilu voi olla vapaampaa maisema-
kokonais
jeistusta
tykseen

Karttam
- Raken
- Pohjal
- 1,5 –k

Suositul
- A
se
yr

aktiivisesti kestä-
etelmien mukaises-
aasti muuttuvaa, ja
kessiokierto taimi-
etsän uudistushak-

uontoarvojen häviä-
tuita pysyväisluon-

Virkistys

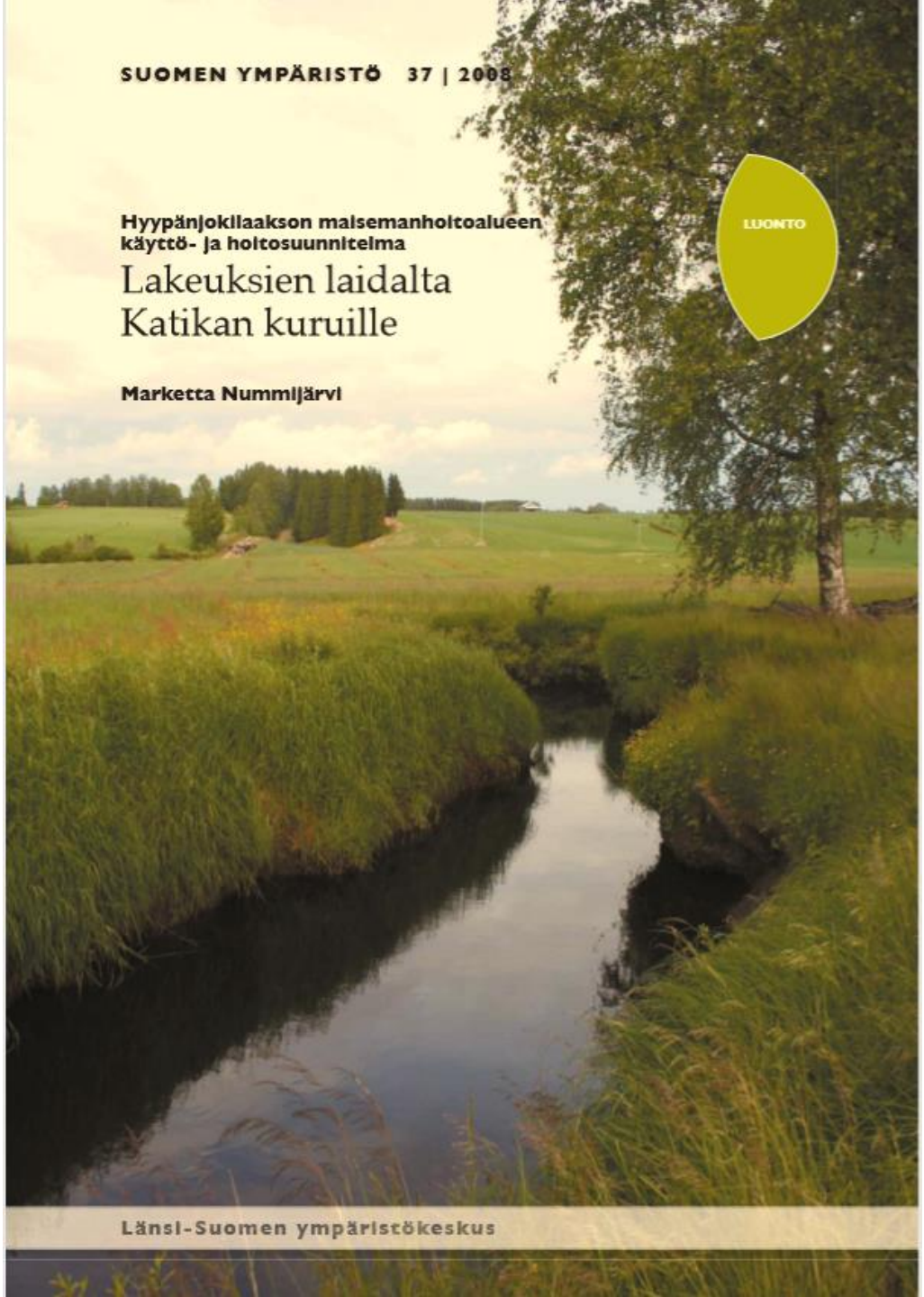
Karttamerkinnät:
- Nykyinen virkistys- tai urheilualue
- Ohjeellinen virkistysreitti, olemassa oleva yhteys
- Ohjeellisen virkistysreitin lisäyhteystarve
- Ehdotus laavun paikaksi
- Näköalapaikkaehdotus
- Ehdotus uimapaikaksi

Suositukset:

MITÄ/MIKÄ ON MAISEMA?

Mitä vaalitaan, kun halutaan vaalia maisemaa?

Maisema = Prosessi



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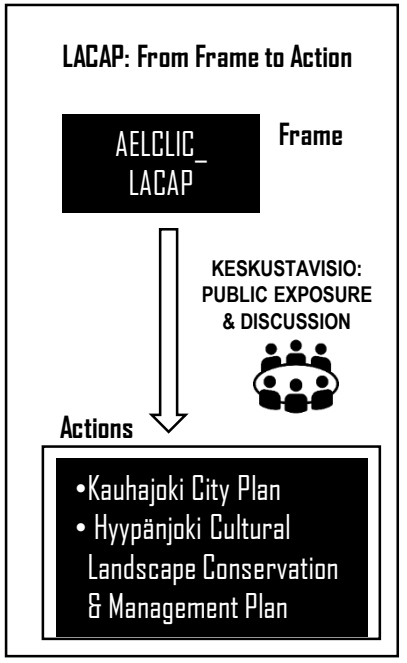
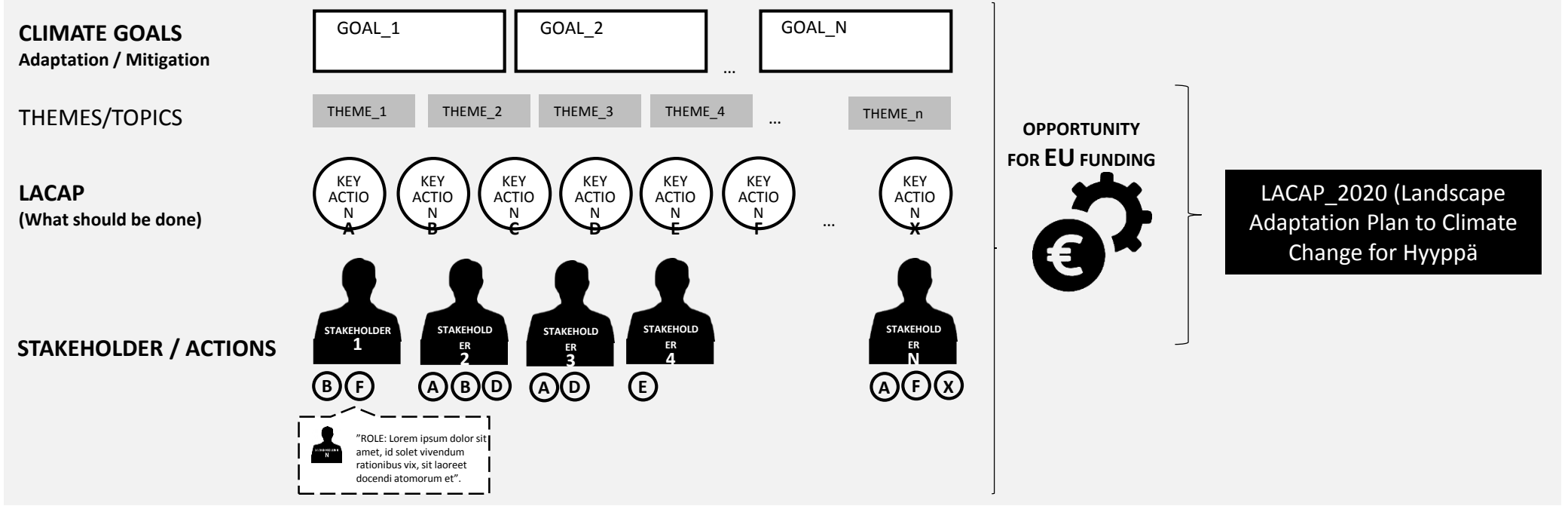
Methodology for the development of the Tasks & Team Work of the **WORKSHOP3**

PROPOSED AGENDA:

1. Welcoming words (Town of Kauhajoki, ELY/South-Bothnia and Aalto University): 5 minutes
2. Presentation of participants: 5 minutes
3. RESULTS of the WORKSHOP2 (Aalto University): 15 minutes
4. Presentations & Distribution of materials:
   a. Towards a Climate-KIC Demonstrator and a LACAP (Landscape Adaptation plan to Climate Change); (Aalto University): 15-20 minutes
      i. What can be a LACAP? Examples of other Strategic Plans (Partners & Roles / Topic & Goals / Phases / Schedule / Outputs)
      ii. Key contents of an application for a Climate-KIC Demonstrator: Table of Contents & Key ideas; possible ways to contribute
      iii. Letter or Memorandum of Understanding for the AELCLIC_Hyyppä
   b. Key findings and opportunities of the AELCLIC project (see reports from Workshop 1 and 2) in relation to the Kauhajoki Strategic Plans and the **Hyypänjoki Cultural Landscape Conservation & Management Plan** + Suggestions for a future LACAP and Demonstrator (by: Town of Kauhajoki, ELY/South-Bothnia (Linda and Marketta): 15-20 minutes
5. TEAM WORK
   a. METHOD: all the participants will discuss and work together on the proposed tasks around a big table with a map of the area, white posters, markers and sticker notes. Aalto University (Juanjo and Kirsi) and Town of Kauhajoki + ELY/South-Bothnia (Linda Leinonen + Marketta Nummijärvi) will facilitate the discussion.
   b. TASKS (2 hours, 20 minutes approximately per TASK):
      - TASK1: WHAT: Main Values, Key Goals & Themes/Topics (+ some IMPACTS & SOLUTIONS/ACTIONS) for a potential LACAP
      - TASK2: Structure of a potential LACAP
      - TASK2: 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…)
      - TASK3: 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: Celebrating the end of the AELCLIC_pathfinder in Hyyppä
6. SUMMARY and CONCLUSIONS (15-20 minutes)





Existing information

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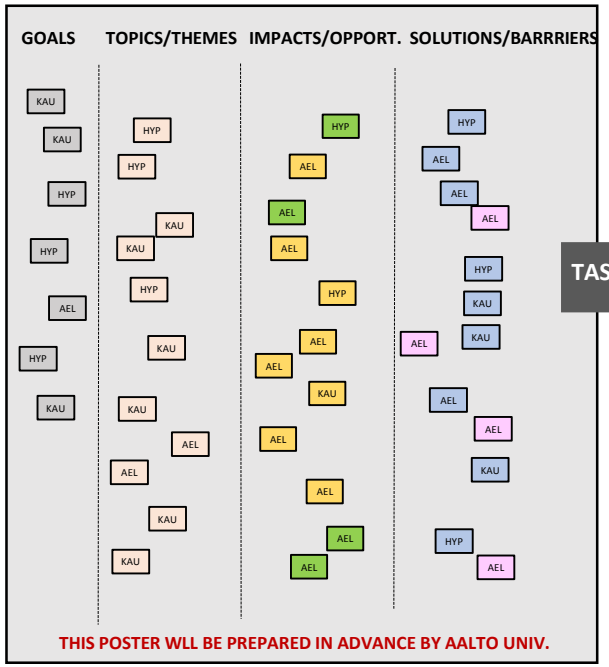
- **AEL:** AELCLIC Workshops 1 + 2

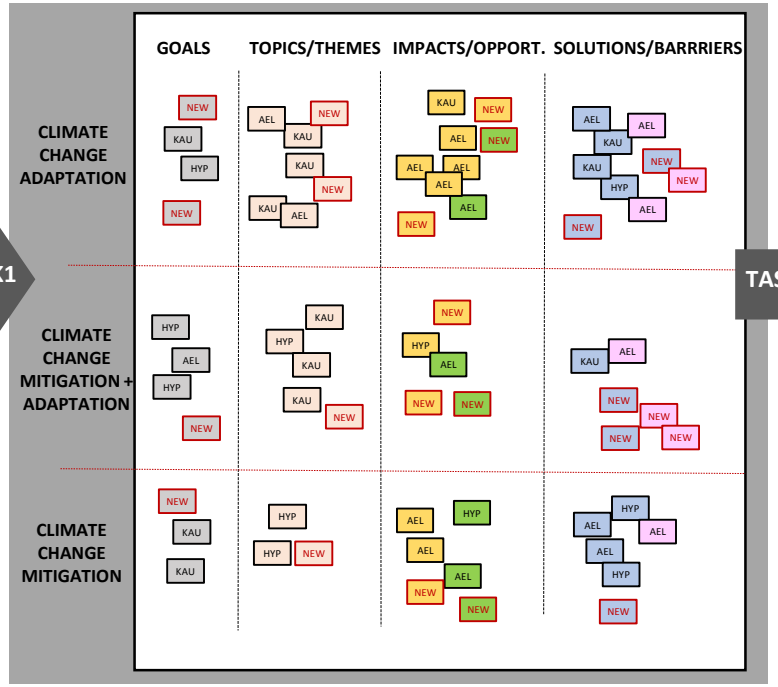


THIS POSTER WLL BE PREPARED IN ADVANCE BY AALTO UNIV.

TASK1_Synthesis of Goals, Themes, Problems , Solutions

ADDING NEW IDEAS + DIFFERENCIATNG BEETWEN CLIMATE CHANGE ADAPTATION, MITIGATION and ADAPTATION+MITIGATION

- **HYP + KAU + AEL + NEW**

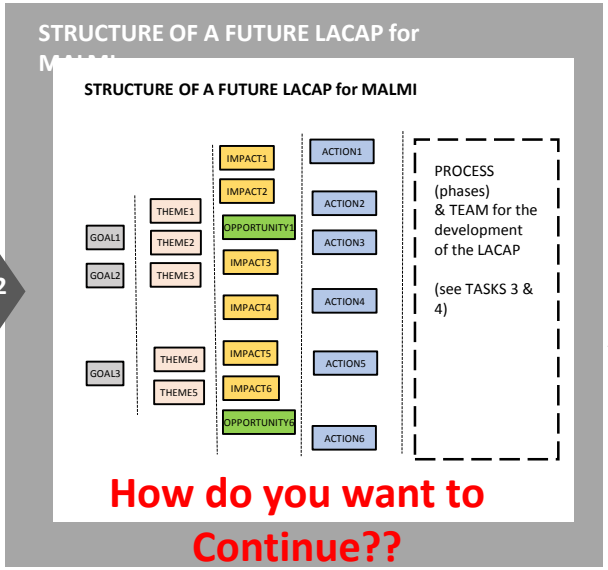


TASK1

TASK2_Structure LACAP

- **NOTE1: The Task2 (synthetic Poster) can be developed together with the different steps of the TASK 1**
- **NOTE2: The results of teh TASKS 3 and 4 should be addded to the synthetic poster**

TASK2



How do you want to Continue??

TASK3

TASK3_Process for the LACAP

Detailed ANALYSIS & DIAGNOSIS?
e.g.: Specific studies about environmental, socio-cultural, economic, safety, impacts and opportunities?

GOALS & SYNTHESIS?

ACTIONS, PILOTS?

IMPLEMENTATION & MONITORING?

TASK4

TASK4_Team & Collaborations in the LACAP

PUBLIC ADMINISTRATIONS:
- Role / Contributions / …?

COMPANIES:
- Role / Contributions / …?

CIVIL GROUPS & ASSOCIATIONS
- Role / Contributions / …?

UNIVERSITIES
- Role / Contributions / …?

INDIVIDUALS
- Role / Contributions / …?