



Interreg V-A Latvia - Lithuania Programme 2014-2020

**LLI-291, “Enhancement of green Infrastructure
in the Landscape of Lowland Rivers”**

ENGRAVE

Development of rivers’ cultural landscape and green infrastructure in Bauska town

SIA “BM-projekts”

12 September 2019, Bauska

CONTENT

QUALITIES FOR RIVERS' DEVELOPMENT

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RIVERS' FUNCTIONAL MAPPING

TERRITORIES TO DEVELOP WITHIN THEMATIC PLAN

PHYSICAL ACCESSIBILITY

VISUAL ACCESS - MŪSA / MĒMELE

GREEN INFRASTRUCTURE

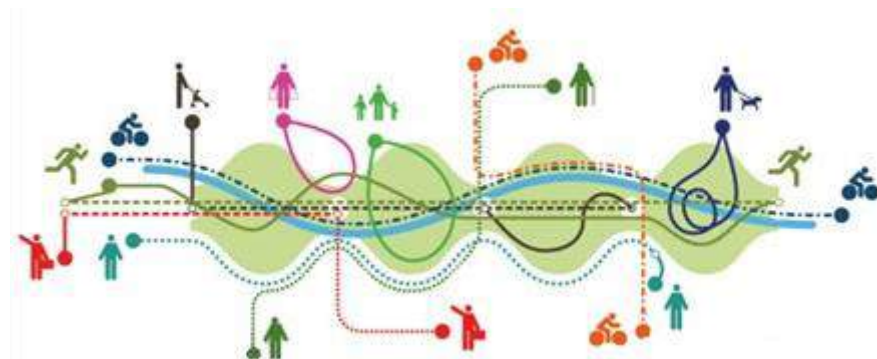
ECOLOGICAL NETWORK

ECOLOGICAL VALUES

ECOSYSTEM SERVICES

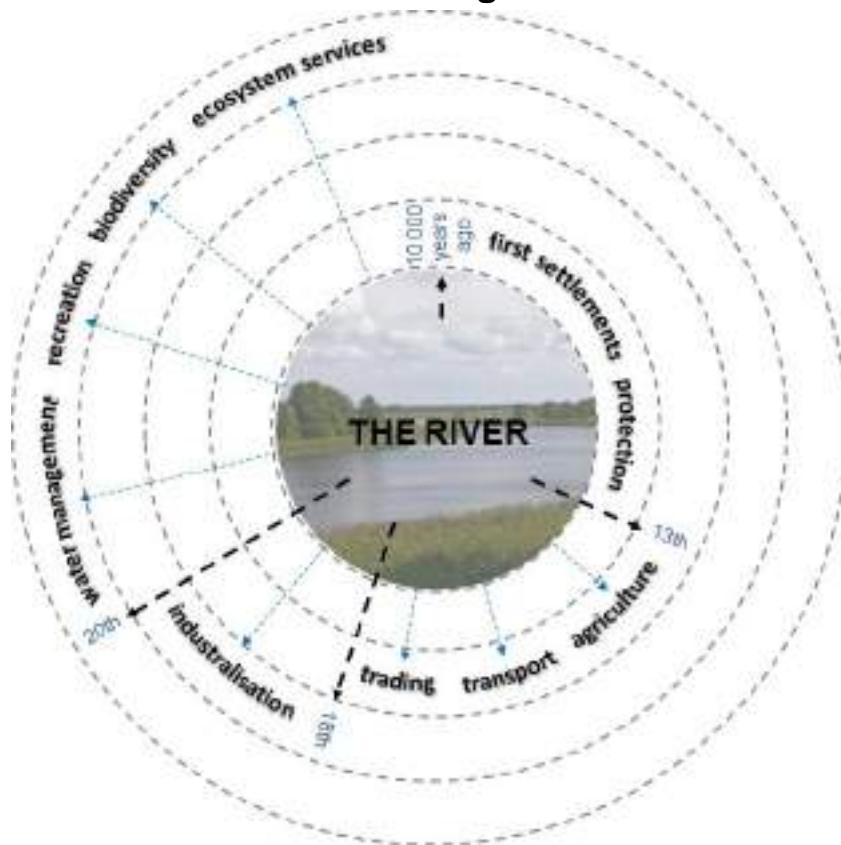
SOCIAL WORKSHOP

OPPORTUNITIES / CHALLENGES / DEVELOPMENT VISION - MŪSA / MĒMELE



QUALITIES FOR RIVERS' DEVELOPMENT

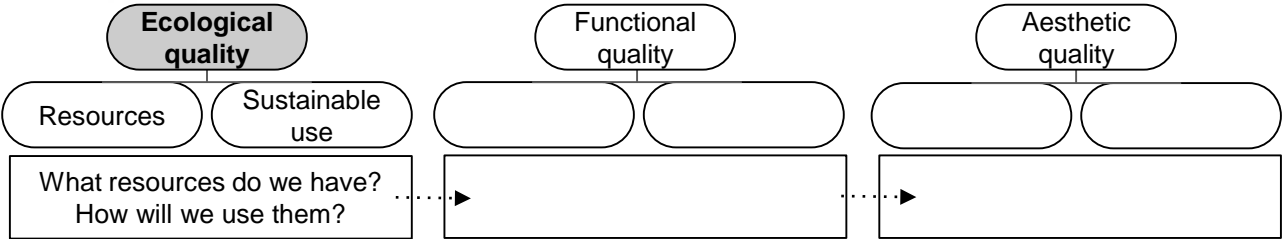
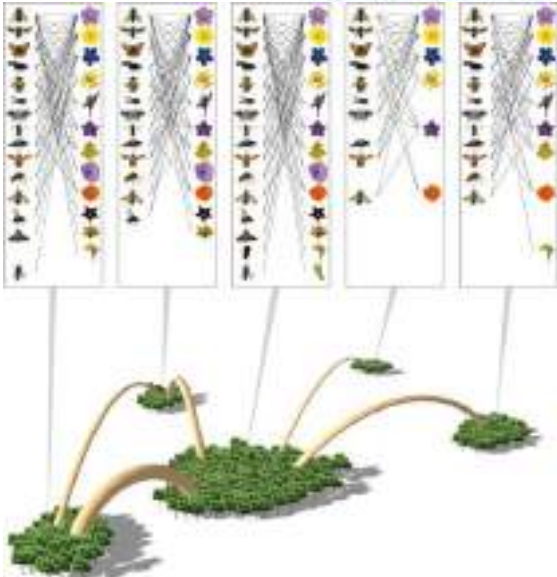
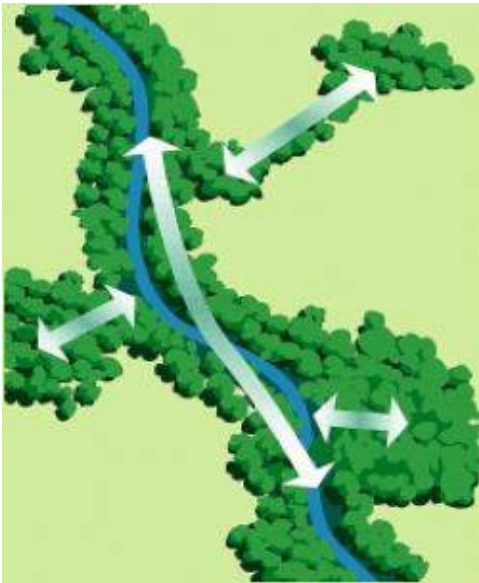
Rivers' use through centuries



Novadays challenges - QUALITIES

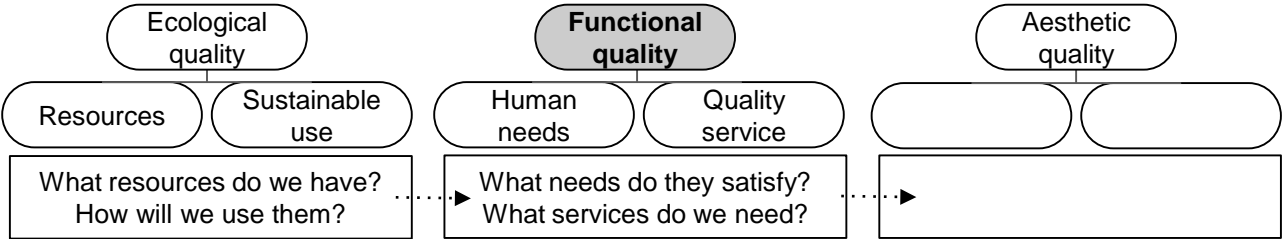


ECOLOGICAL QUALITIES



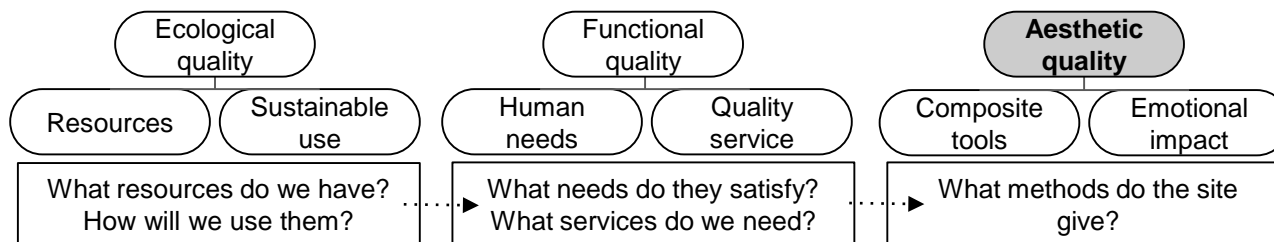
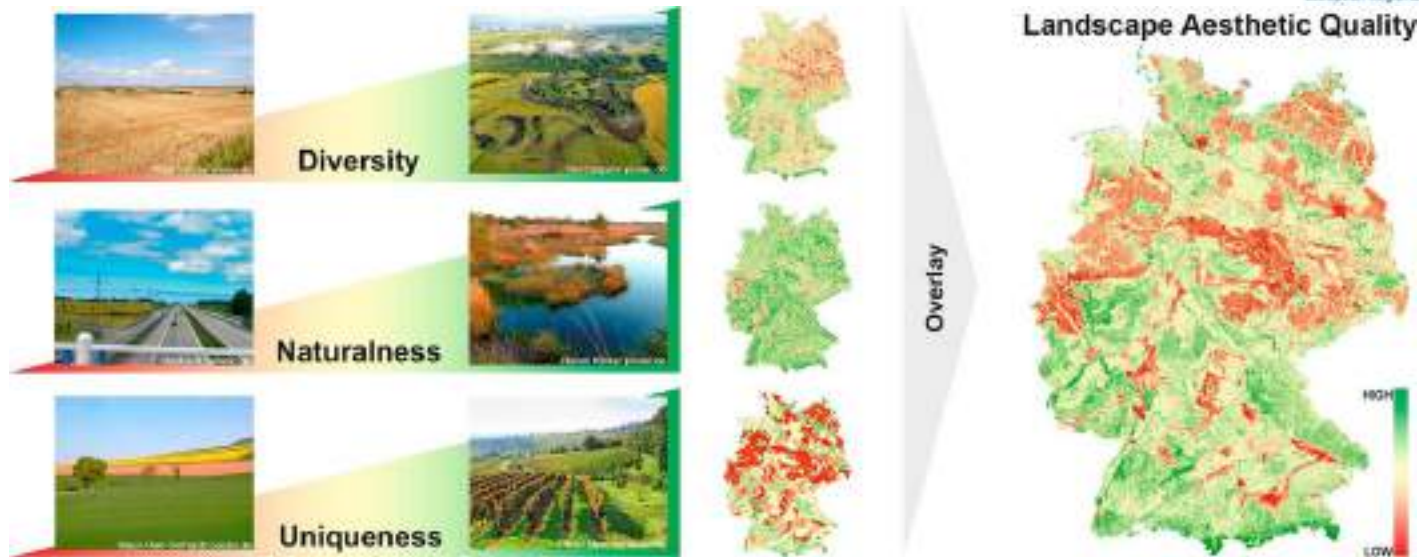
.....DEVELOPMENT OF RIVERS' CULTURAL LANDSCAPE AND GREEN INFRASTRUCTURE.....▶

FUNCTIONAL QUALITIES



..... DEVELOPMENT OF RIVERS' CULTURAL LANDSCAPE AND GREEN INFRASTRUCTURE▶

AESTHETIC QUALITIES



..... DEVELOPMENT OF RIVERS' CULTURAL LANDSCAPE AND GREEN INFRASTRUCTURE▶

RIVERS' CULTURAL LANDSCAPE THROUGH CENTURIES



18th century



19th century



20th century

before 13 000 years
glacier reduction

RIVERS' CULTURAL LANDSCAPE THROUGH CENTURIES



18th century



19th century



20th century

before 13 000 years
glacier reduction

15th -16th century
protection, administrative
center, trading development,
agriculture

RIVERS' CULTURAL LANDSCAPE THROUGH CENTURIES



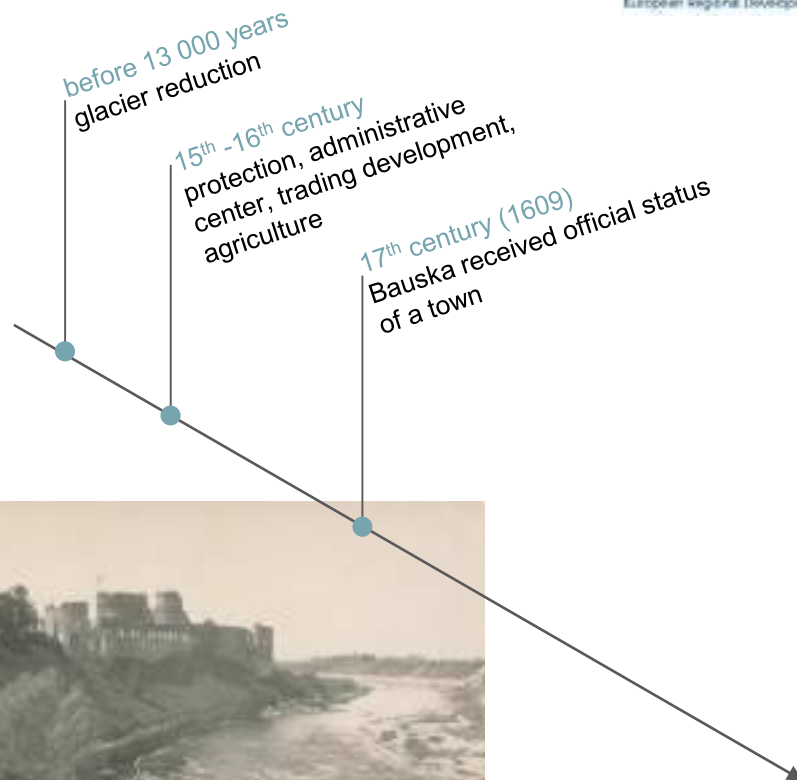
18th century



19th century



20th century



RIVERS' CULTURAL LANDSCAPE THROUGH CENTURIES



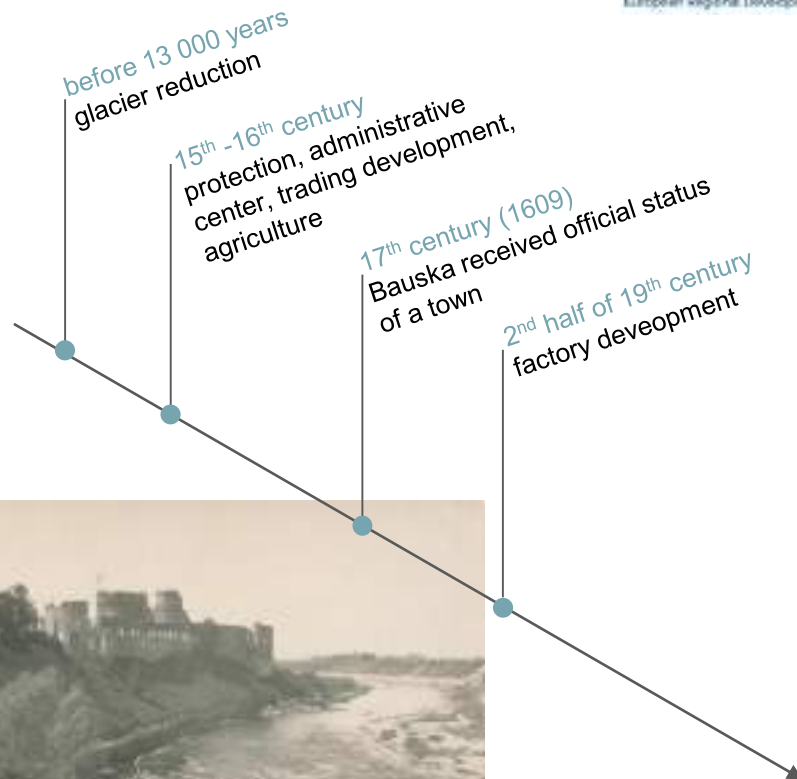
18th century



19th century



20th century



RIVERS' CULTURAL LANDSCAPE THROUGH CENTURIES



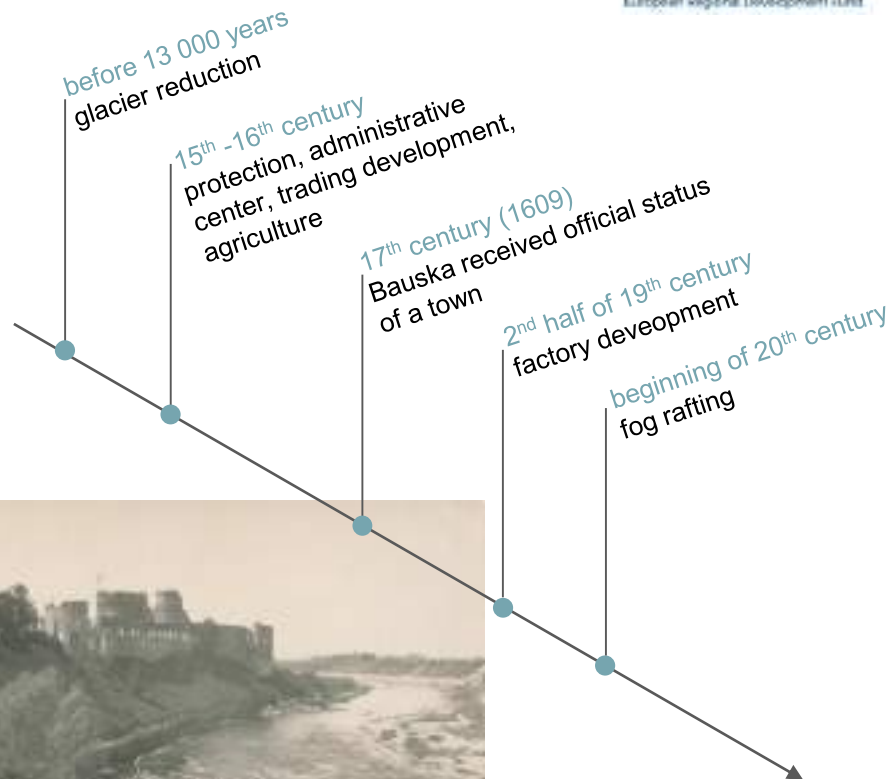
18th century



19th century



20th century



RIVERS' CULTURAL LANDSCAPE THROUGH CENTURIES



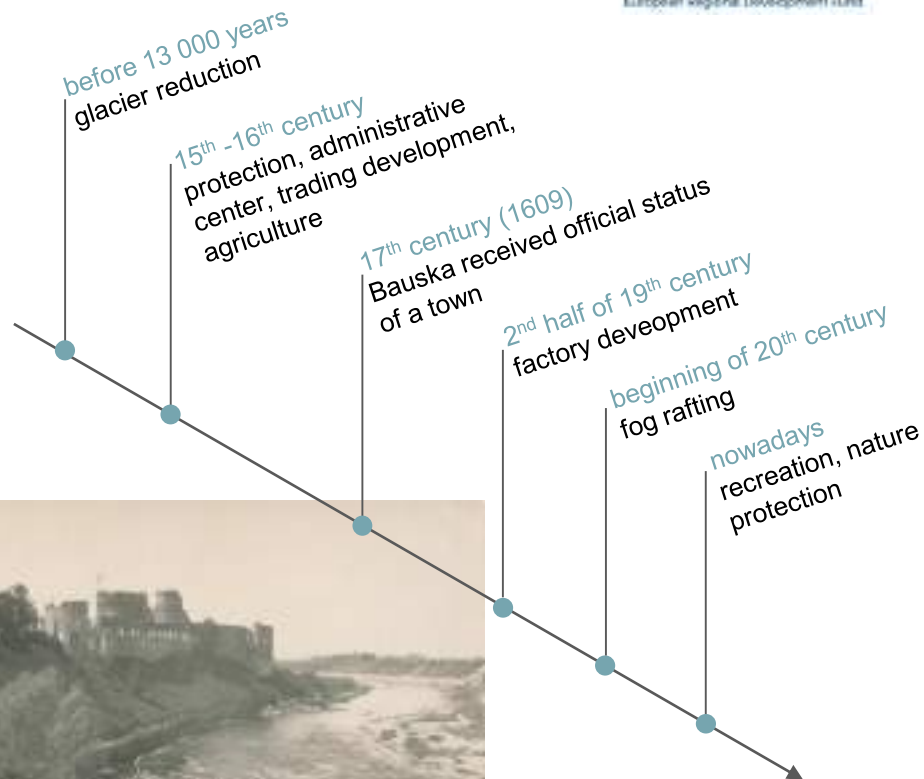
18th century



19th century



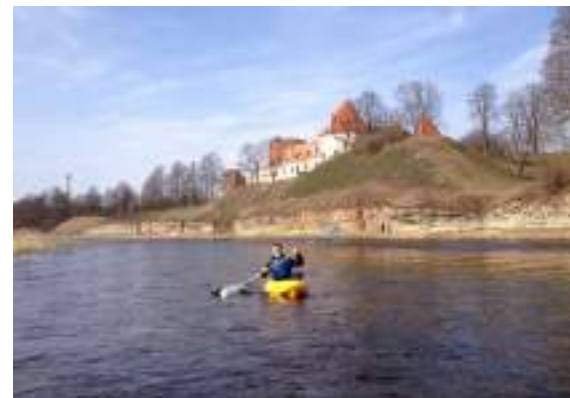
20th century



CURRENT ACTIVITIES



- boating
- fishing
- swimming
- walking, hiking
- sports activities
- Old Town Courtyard festival
- public events in Bauska Castle park
- private gardens



TERRITORIES TO DEVELOP WITHIN THEMATIC PLAN



PHYSICAL ACCESSIBILITY



PHYSICAL ACCESSIBILITY



Access:

- • • • accessible
- partly accessible
- closed



PHYSICAL ACCESSIBILITY



Access:

- • • • accessible
- partly accessible
- closed



PHYSICAL ACCESSIBILITY



Access:

- • • • accessible
- partly accessible
- closed



PHYSICAL ACCESSIBILITY



PHYSICAL ACCESSIBILITY



PHYSICAL ACCESSIBILITY



Access:

- • • • accessible
- partly accessible
- closed
- cycling infrastructure
- planned cycling infrastructure

VISUAL ACCESS - MŪSA



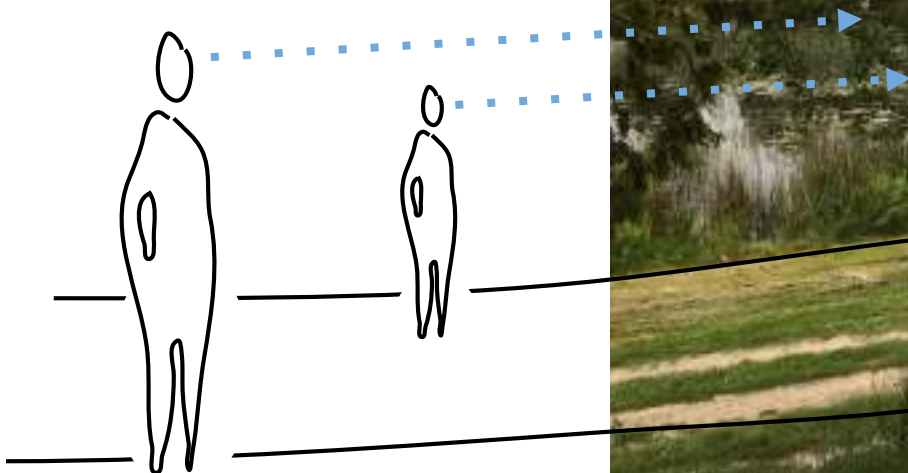
MONOTON VIEW; **INVISIBLE**
RIVER; **FLAT** RELIEF;
GRASSLAND UNTIL TREES AND
BUSHES; **WIDE OPEN SPACE;**
DIVERSITY OF **PLANTS INFORM**
ABOUT **WETLAND**

VISUAL ACCESS - MŪSA



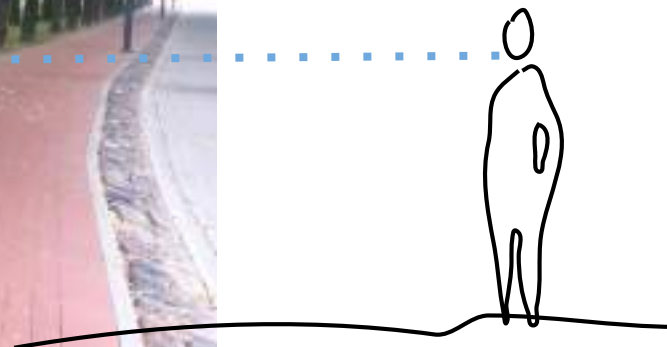
DIRECT WATER PRESENCE;
VISIBLE RELIEF FORMS; WIDE
OPEN SPACE; FAR VIEWS OVER
THE RIVER; BEING ONE LEVEL
WITH THE RIVER

VISUAL ACCESS - MŪSA



FAR VIEWS; DIRECT WATER PRESENCE; WIDE OPEN SPACE; RELIEF; ACCESS FROM TWO LEVELS

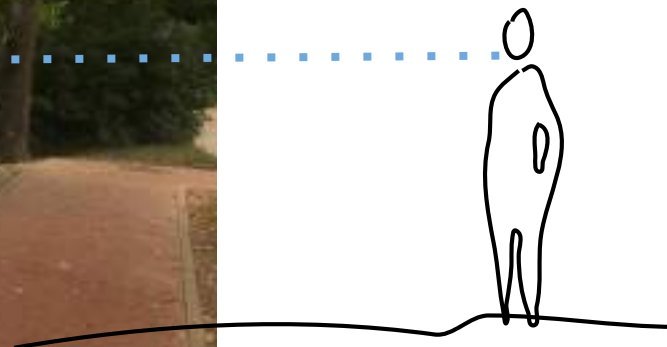
VISUAL ACCESS - MĒMELE



VISUAL ACCESS - MĒMELE



RIGA STREET; DIRECT WATER PRESENCE; RELIEF; FAR VIEWS



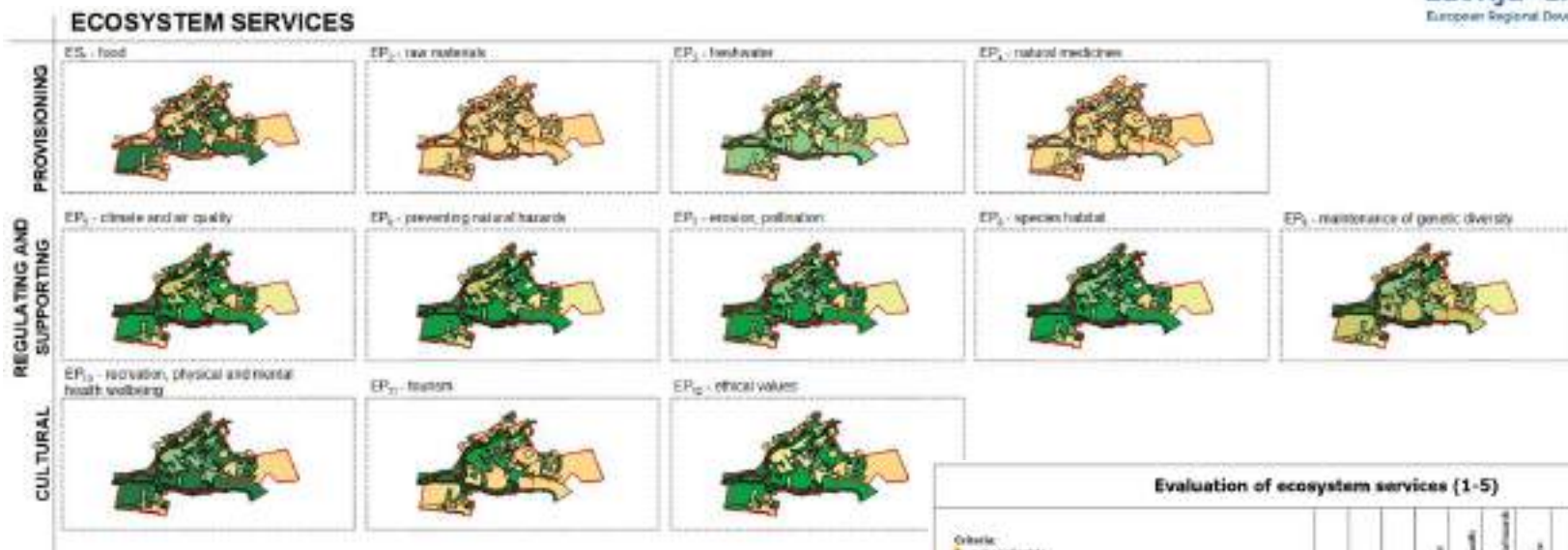
GREEN INFRASTRUCTURE - ECOLOGICAL NETWORK



ECOLOGICAL VALUES



ECOSYSTEM SERVICES



Evaluation of ecosystem services (1-5)

Criteria:
 ● - not applicable
 ● - very low provision
 ● - low provision
 ● - average provision
 ● - high provision
 ● - very high provision

	ES ₁ food	EP ₂ raw materials	EP ₃ freshwater	EP ₄ natural medicines	EP ₅ climate and air quality	EP ₆ preventing natural hazards	EP ₇ erosion, pollination	EP ₈ species habitat	EP ₉ maintenance of genetic diversity	EP ₁₀ recreation, physical and mental health, wellbeing	EP ₁₁ tourism	EP ₁₂ ethical values
LU ₁ (rivers)	●	●	●	●	●	●	●	●	●	●	●	●
LU ₂ (nature and greenery territory, parks)	●	●	●	●	●	●	●	●	●	●	●	●
LU ₃ (nature and greenery territory, cemetery)	●	●	●	●	●	●	●	●	●	●	●	●
LU ₄ (other nature and green territories)	●	●	●	●	●	●	●	●	●	●	●	●
LU ₅ (low-storey residential building)	●	●	●	●	●	●	●	●	●	●	●	●
LU ₆ (multi-storey residential building)	●	●	●	●	●	●	●	●	●	●	●	●
LU ₇ (public building territory)	●	●	●	●	●	●	●	●	●	●	●	●
LU ₈ (industrial building territory)	●	●	●	●	●	●	●	●	●	●	●	●
LU ₉ (technical building territory)	●	●	●	●	●	●	●	●	●	●	●	●

SOCIAL WORKSHOP



SOCIAL AND SPATIAL MAPPING



IDENTIFYING AREAS FOR IMPROVEMENT



OPPORTUNITIES / CHALLENGES / DEVELOPMENT VISION



LANDSCAPE DEVELOPMENT - MŪSA - PROMENADE



**WOODEN PATHWAY, ARTISTIC
OBJECTS, LANDMARKS,
DIRECTION SIGNS, ACCESS TO
WATER, WATCHING ANIMALS,
SUITABLE INFRASTRUCTURE,
ACCESS TO CERAUKSTE**

LANDSCAPE DEVELOPMENT - MŪSA - WATERFORNTS



WALKING ABOVE WATER,
RIVER CLEANING AND
MAINTENANCE, ACTIVITIES
IN WATER, RECREATION
FOR ALL SEASONS,
TOURISM, ENVIRONMENTAL
EDUCATION



LANDSCAPE DEVELOPMENT - MŪSA - PROMENADE DIFFERENT LEVELS



PROMENADE - **ACTIVE** AND
PASSIVE RECREATION



LANDSCAPE DEVELOPMENT - MŪSA - PLACE FOR EVENTS



PLACE FOR
THEMATIC PUBLIC
EVENTS,
INFRASTRUCTURE
FOR **ACTIVE**
RECREATION



LANDSCAPE DEVELOPMENT - MŪSA - CULTURAL HERITAGE



PASSIVE RECREATION,
RESPECT **CULTURAL**
HERITAGE, **ACCESS** TO
RIVER, VIEW PLATFORMS,
GREENERY, NON-FORMAL
EDUCATION



LANDSCAPE DEVELOPMENT - MĒMELE - RECREATION



PASSIVE AND ACTIVE RECREATION, NEW PROJECTS, PLENTY OF OPPORTUNITIES, VIEW PLATFORMS, PROMENADE, RESPECT THE SITE

LANDSCAPE DEVELOPMENT - MĒMELE - CREATIVE YARDS



ACCESS TO THE RIVER, NON-FORMAL EDUCATION, SMALL SPACES FOR PASSIVE RECREATION, CREATIVE ACTIVITIES, SOCIAL ACTIVITIES, EXHIBITIONS, RESPECT CULTURAL HERITAGE

LANDSCAPE DEVELOPMENT - MĒMELE - RECREATION



LINEAR ORIENTED INFRASTRUCTURE FOR PASSIVE AND ACTIVE RECREATION, ACCESS TO THE RIVER, WALKS ABOVE WATER, MEDITATION, LINK WITH VECSAULE



LANDSCAPE DEVELOPMENT - MĒMELE - ACCESSIBILITY, LINK



**LINK BETWEEN TOWN
CENTRE AND CLOSEST
VILLAGES, ARTIFICIAL
OBJECTS**





ENGRAVE



THANK YOU!