

A decorative border of diverse human figures in various colors and poses surrounds the central text.

PILOT CASE STUDY

DORA BALTEA ITALY

WHICH PARTICIPATION FOR THE MANAGEMENT OF THE DORA BALTEA RIVER AND ITS TRIBUTARIES?

MAY 2017

SHORT INTRODUCTION SURVEY IN THE PILOT CASE STUDY

This report aims at collecting the views of residents, associations, private companies and all other actors about the management and the protection of the Dora Baltea river.

The report is framed on WPTI PCS 6 large scale local individual pre-assessment / survey: for each PCS, a large scale public survey on river perception, issues, governance, proposals has been disseminated.

Results of this survey will help the preparation of the subsequent phases of the project in which these actors will be actively involved in identifying future actions and management plans for the river.

*The survey was open to **ALL and anonymous**, whether or not residing near the Dora Baltea river, and whether or not knowledgeable about water management. In December 2016 PCS 6 questionnaire was sent to general public and an extensive range of potential*

*stakeholders via the PTA newsletter coupled to local River Management Planning revision process activities. Finally, **more than 700 persons have received the survey** and been asked to forward it to their own networks.*

*A second launch of the survey has been done in April 2017 by WhatsApp social network. At the beginning of May 2017, when the access to the survey was closed, **only 77 answers were received.***

*The present report is an articulate wrap up of survey **replies** to put in evidence PCS perception of river and related issues by stakeholders and local communities.*

Replies have been analyzed one by one and, when possible, depicted in a visual way to ease comprehension of river context.

01

WHAT ARE THE THREE KEYWORDS WHICH BEST REPRESENT THE DORA BALTEA RIVER AND ITS TRIBUTARIES ?

Dora Baltea river and its streams are a source of life and of energy. This essential resource, with typical characteristics of mountain areas, is even used for fishing and sport, but its natural state is affected and thus its ecosystem must be protected.

SPORT MUDDY MOUNTAIN RIVER ROCKS
FISHING ENERGY SOURCE BALANCE
CLEAN FRESHNESS GLACIERS ARTIFICIAL WORKS
VALLE D'AOSTA SILT IMPETUOSITY
GREEN WATER IRRIGATION & AGRICULTURE ALPS
STREAMS SOURCE OF LIFE UTILITY

VERY FREQUENT

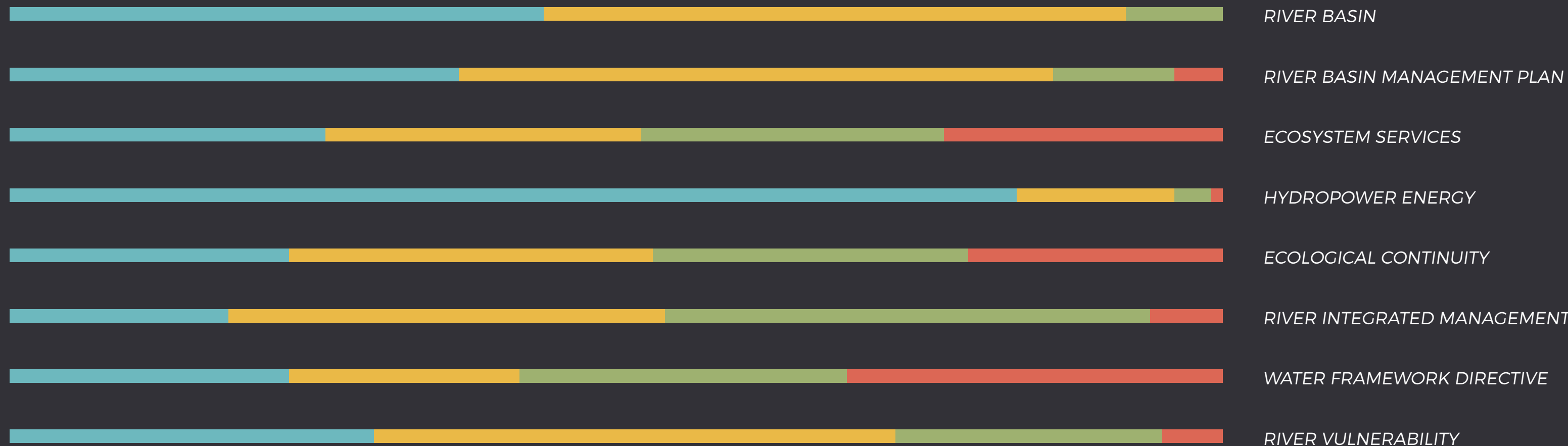
FREQUENT

NOT FREQUENT

02

DO YOU KNOW THE FOLLOWING TERMS ?

Almost everybody knows the meaning of the term "Hydropower energy", but also the knowledge of the words "River basin", "River Basin Management Plan", and "River vulnerability" is spread. Instead, many persons have never heard the term "Water Framework Directive", and several do not know the meaning of "Ecosystem services", "Ecological continuity", and "River integrated management".



I KNOW THE MEANING OF THE WORD AND I CAN EXPLAIN IT TO SOMEONE

I KNOW THE MEANING OF THE WORD

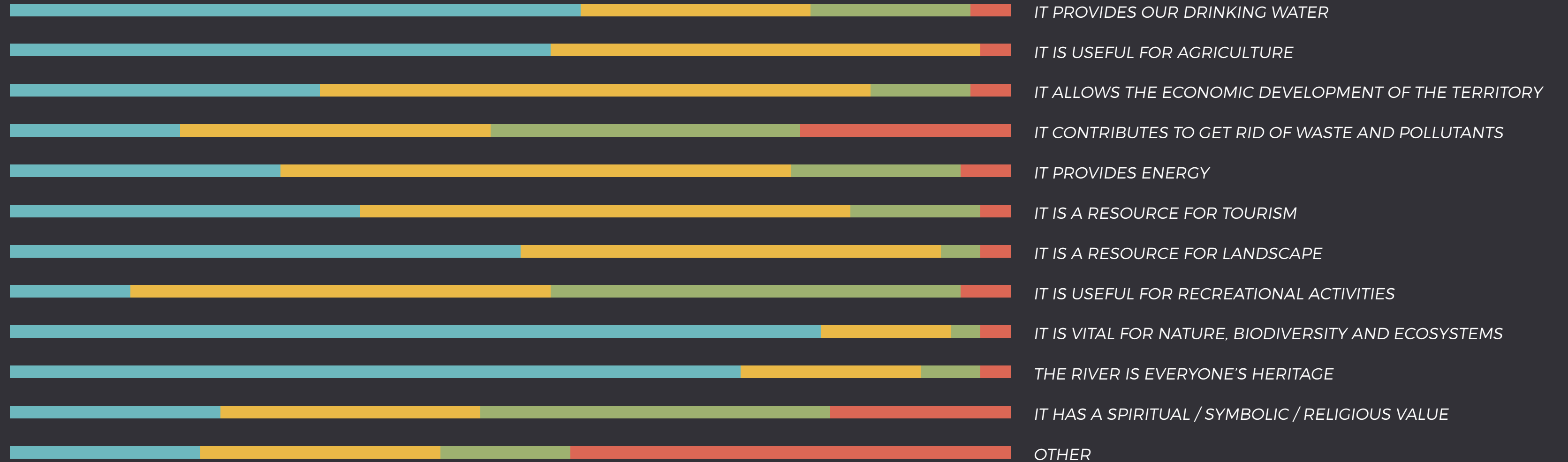
I HAVE ALREADY HEARD THIS WORD BUT I DO NOT KNOW ITS MEANING

I HAVE NEVER HEARD THIS WORD

03

FOR EACH OF THE FOLLOWING SERVICES PROVIDED BY THE RIVERS, HOW IMPORTANT IS IT FOR YOU ?

Dora Baltea river and its tributaries are everyone's heritage and they are vital for nature, biodiversity and agriculture. The majority of the sample assumes that rivers provide drinking water for local communities, even if it is false because, in the basin, drinkable water is provided only by underground aquifers.



PRIORITY

IMPORTANT

SECONDARY

NOT IMPORTANT

04

WHICH ACTIONS YOU WOULD **SUGGEST TO IMPLEMENT FOR THE SERVICES** WHICH YOU HAVE LISTED ABOVE AS PRIORITIES:

Restoration of artificialized stream sections and banks and cleaning of the riverbed are the main actions that should be implemented.

Hydropower exploitation and other anthropic pressures should be controlled and the sewage treatment network should be completed, promoting the river water and banks for recreational and sport activities.

RECREATIONAL PATHS ALONG THE STREAMS / CONTROLLING THE SEDIMENT LOAD IN THE WATER / RESTORATION OF ARTIFICIALIZED STREAM SECTIONS AND RIVER BANKS / INTRODUCING PROTECTED AREAS AND TOURIST / DECREASING THE ANTHROPIC PRESSURE / CLEANING AND MAINTENANCE OF RIVERBED AND RIVER BANKS / IMPROVING AND PROMOTING FISHING / RESTORING WATER CONTINUITY / RESTOCKING THE STREAMS / COMPLETING AND MONITORING THE SEWAGE TREATMENT NETWORK / AVOIDING THE INTRODUCTION OF FISHES BY FISHERMEN ASSOCIATION REDUCING THE IMPACT OF HUMAN ACTIVITIES AND ARRANGEMENTS IN THE STREAMS / RESTORING THE RIVER MEANDERING / MAKING AVAILABLE THE RIVER BANKS WITH PATHS, CYCLE AND PEDESTRIAN PATHS / COMPLETING AND MORE PROMOTING THE BIKE PATH ALONG DORA BALTEA RIVER / RESTORING THE RIVER MEANDERING / REDUCING THE IMPACT OF HUMAN ACTIVITIES AND ARRANGEMENTS IN THE STREAMS / DECREASING THE ANTHROPIC PRESSURE / REDUCING THE IMPACT OF HUMAN ACTIVITIES AND ARRANGEMENTS IN THE STREAMS / DECREASING HYDROPOWER EXPLOITATION / GIVE 100% OF THE HYDROPOWER PLANTS OWNERSHIP TO LOCAL COMMUNITIES

VERY FREQUENT

FREQUENT

NOT FREQUENT

05

WHAT ARE THE EVENTS WHICH HAVE MOST IMPACTED THE DORA BALTEA RIVER IN THE PAST ?

Dora Baltea river and its streams were impacted, in the past, by both anthropic and natural events, in particular hydropower exploitation and dramatic floods. Even artificialization and channeling of watercourses, sediment mining and the lack of wastewater treatment plants generate considerable impacts.

POLLUTION / RIVER EXPLOITATION FOR HYDROPOWER PRODUCTION
DEFORESTATION ON THE RIVER BANKS / CHANNELING OF
WATERCOURSES / MEASURES IMPLEMENTED AFTER THE FLOODS
FLOODS IN THE PAST / CHANNELING OF THE “RU” / CHANGES AND
ARTIFICIALIZATION OF THE RIVERBED / BAD MANAGEMENT OF FISHERY
SEDIMENT MINING / URBANIZATION OF SOME AREAS / LACK OF
WASTEWATER TREATMENT PLANTS / HYDRAULIC WORKS AGRICULTURE
WITHDRAWALS / FLOOD IN 2000 / CONSTRUCTION OF THE MOTORWAY
RIVER BANKS ARTIFICIALIZATION / POOR MAINTENANCE OF THE “RU”

VERY FREQUENT

FREQUENT

NOT FREQUENT

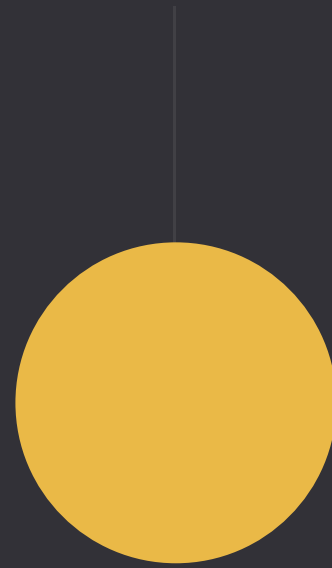
WHO SHOULD PARTICIPATE IN DESCRIBING THE CURRENT SITUATION OF THE RIVER?

The current situation of the river should be described mainly by experts, consultants and scientists. However, even public administrators, managers or authorities, citizens and farmers should be involved.

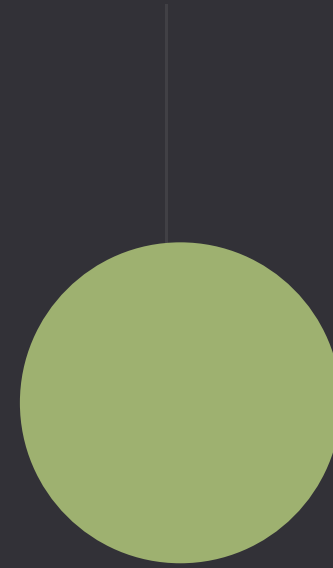
38%



73%



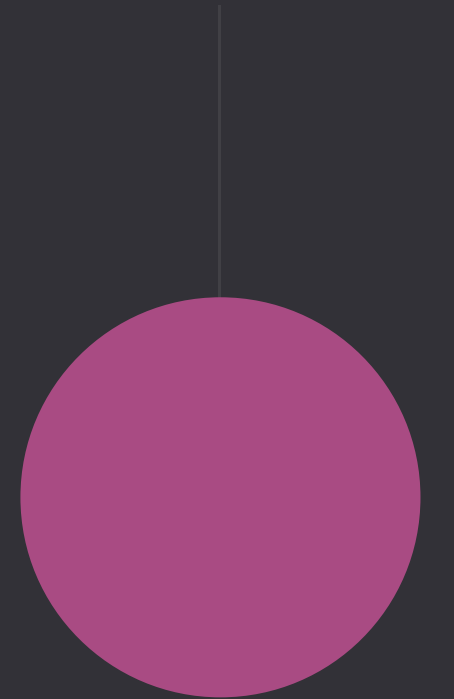
73%



40%



91%



POLICY-MAKERS,
ELECTED REPRESENTATIVES

PUBLIC ADMINISTRATIONS,
MANAGERS, AUTHORITIES

CITIZENS, INHABITANTS,
USERS, ASSOCIATIONS

FARMERS, INDUSTRIES,
BUSINESSES, PROFESSIONALS

EXPERTS,
CONSULTANTS, SCIENTISTS

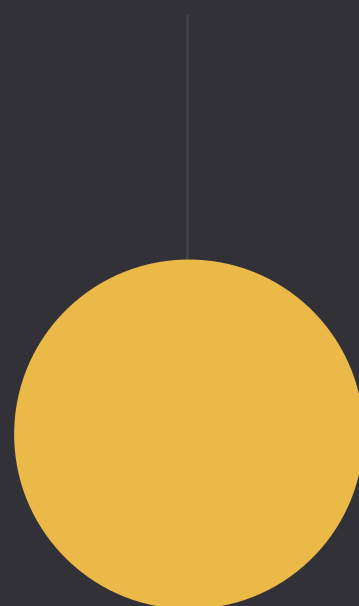
WHO SHOULD PARTICIPATE IN IDENTIFYING ACTION PLANS FOR THE RIVER?

Action plans for the river should be identified mainly by experts, consultants and scientists. However, even public administrators, managers or authorities, citizens and farmers should be involved.

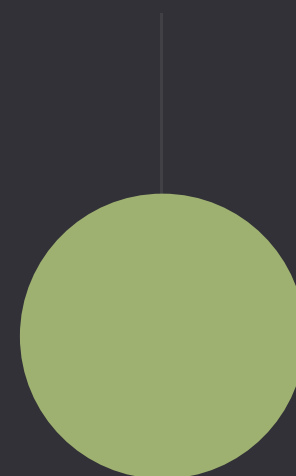
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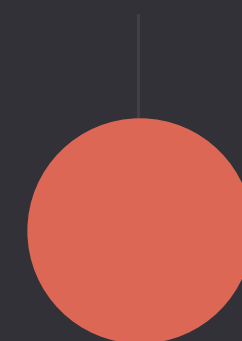
76%



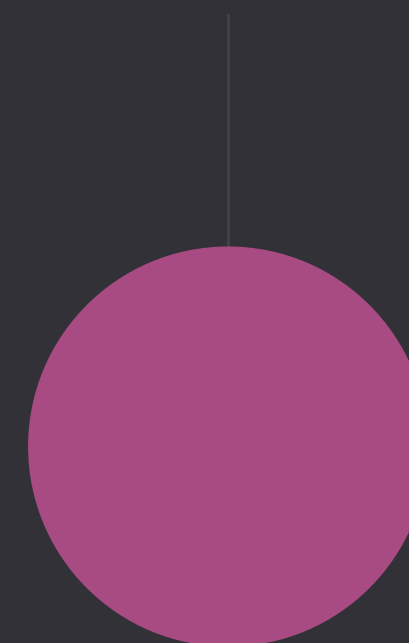
62%



49%



87%



POLICY-MAKERS,
ELECTED REPRESENTATIVES

PUBLIC ADMINISTRATIONS,
MANAGERS, AUTHORITIES

CITIZENS, INHABITANTS,
USERS, ASSOCIATIONS

FARMERS, INDUSTRIES,
BUSINESSES, PROFESSIONALS

EXPERTS,
CONSULTANTS, SCIENTISTS

WHO SHOULD PARTICIPATE IN IMPLEMENTING SELECTED ACTION PLANS OR POLICIES?

Selected action plans or policies for the river should be implemented mainly by experts, consultants and scientists. However, even public administrators, managers or authorities should be involved, but also citizens, inhabitants, users or associations, policy-makers and representatives.

47%



79%



51%



32%



90%



POLICY-MAKERS,
ELECTED REPRESENTATIVES

PUBLIC ADMINISTRATIONS,
MANAGERS, AUTHORITIES

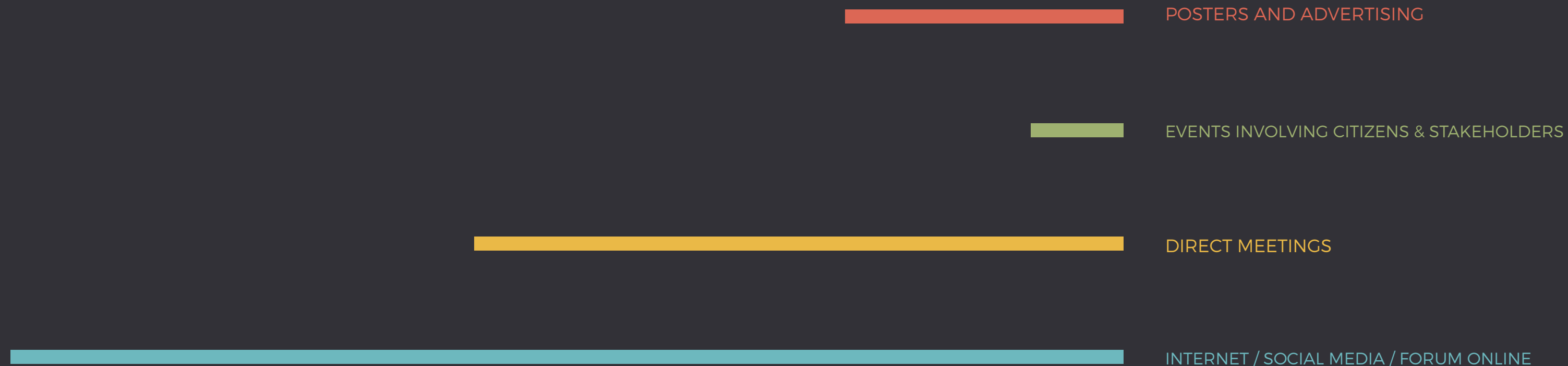
CITIZENS, INHABITANTS,
USERS, ASSOCIATIONS

FARMERS, INDUSTRIES,
BUSINESSES, PROFESSIONALS

EXPERTS,
CONSULTANTS, SCIENTISTS

WHAT ARE YOUR SUGGESTIONS TO THE SURVEY ABOUT THE MEANS TO INVOLVE CITIZENS ARE LISTED IN THE PROPOSALS BELOW:

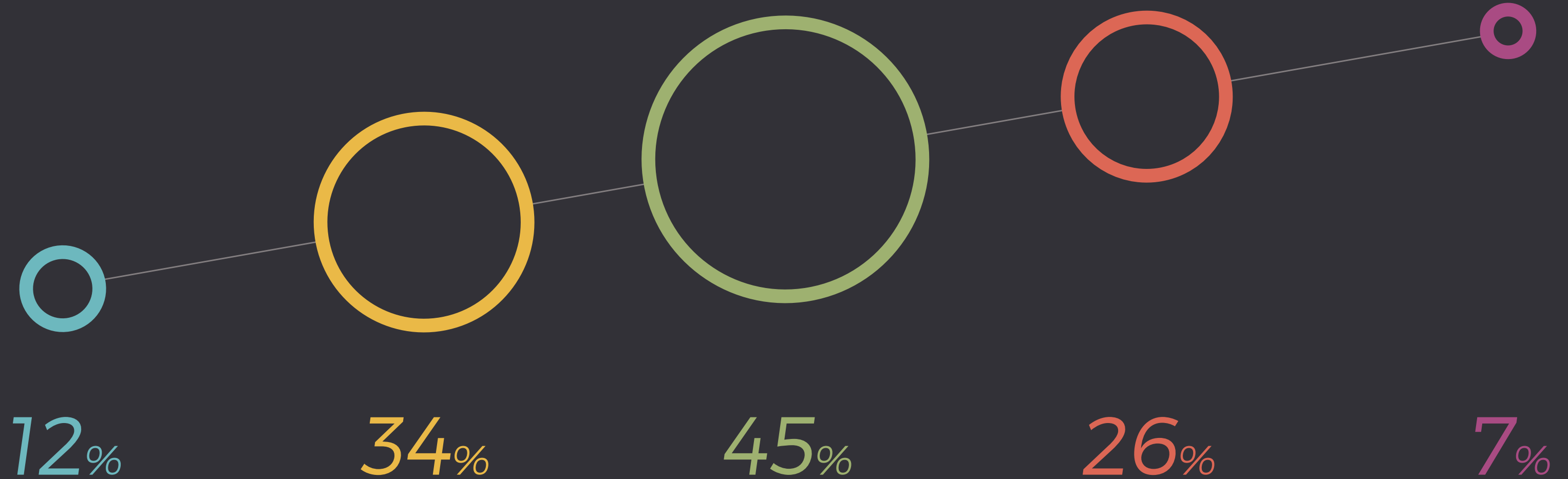
Main suggestions about other actors to be involved for the Dora Baltea river management concern young people involvement, fishermen, municipalities, or simply all the interested citizens. The preferred ways of participation are Internet and face-to-face meetings.



10

ABOUT YOU SURVEY SAMPLE INFORMATION YOUR AGE

Participation to the questionnaire is represented mainly by persons aged between 41 and 50 years. Few respondents are more than 60 years or less than 31 years old.



UNDER 31 YEARS OLD

31 - 40 YEARS OLD

41 - 50 YEARS OLD

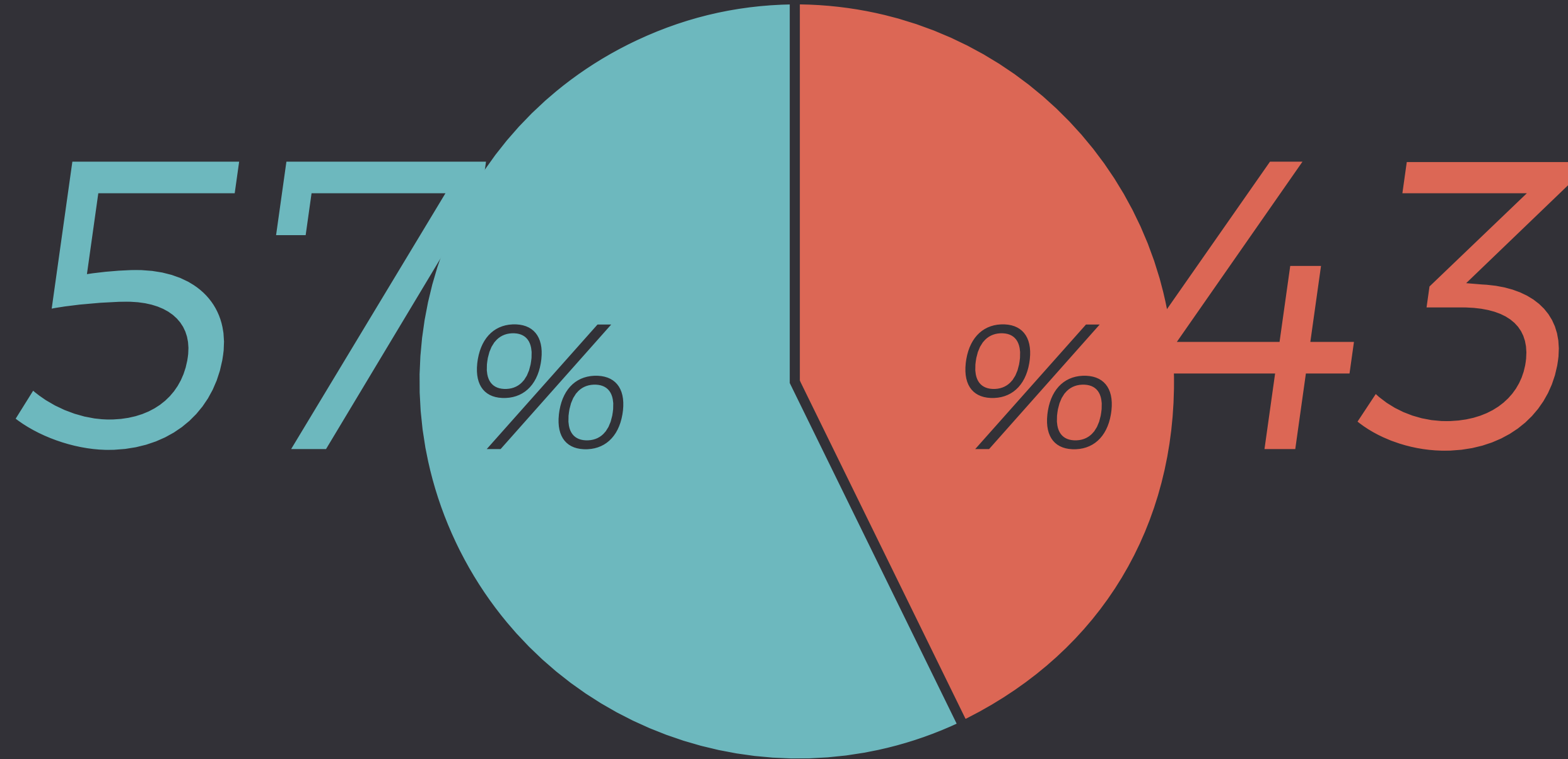
51 - 60 YEARS OLD

MORE THAN 60 YEARS OLD

11

ABOUT YOU
SURVEY SAMPLE
INFORMATION
GENDER

*Participation to the questionnaire is well represented
by both the genders, even if males prevail.*



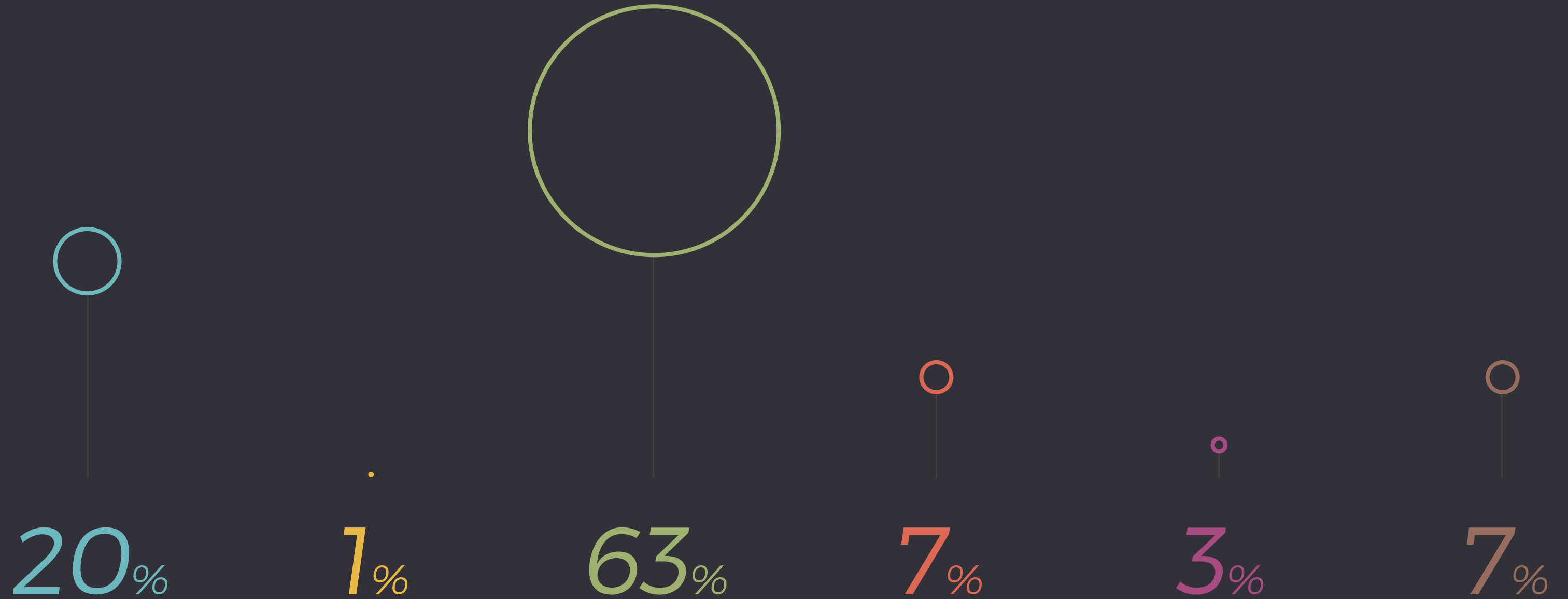
MALE

FEMALE

12

WHAT IS YOUR PROFESSIONAL ACTIVITY ?

Participants to the survey are *mainly workers and employees*. Fewer respondents have a liberal profession, and only small percentages are represented by teachers or professors, engineers or architects, and retired or unemployed persons.



SENIOR OR TECHNICAL EXECUTIVE
LIBERAL PROFESSION / ENGINEER

CRAFTSMAN / SHOPKEEPER
SMALL BUSINESS HOLDER

WORKER / EMPLOYEE

TEACHER / PROFESSOR

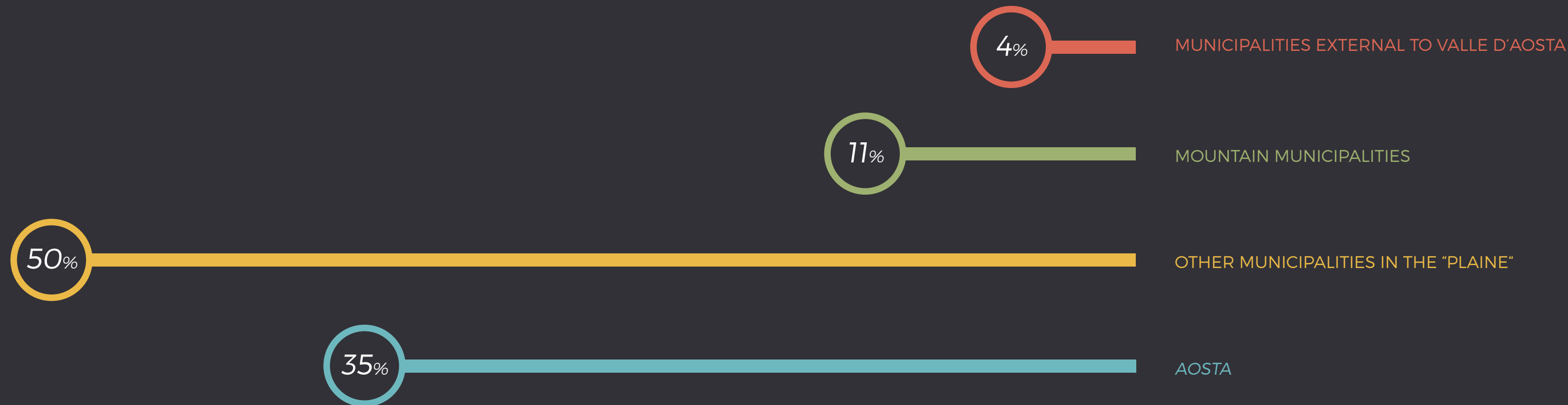
STUDENT

RETIRED / UNEMPLOYED

13

IN WHICH MUNICIPALITY DO YOU LIVE ?

Participation to the survey is mainly represented by persons living in Aosta town or in other municipalities in the "Plaine". Least respondents to the survey are resident in mountain municipalities or in other regions.



AOSTA

OTHER MUNICIPALITIES IN THE "PLAINE"

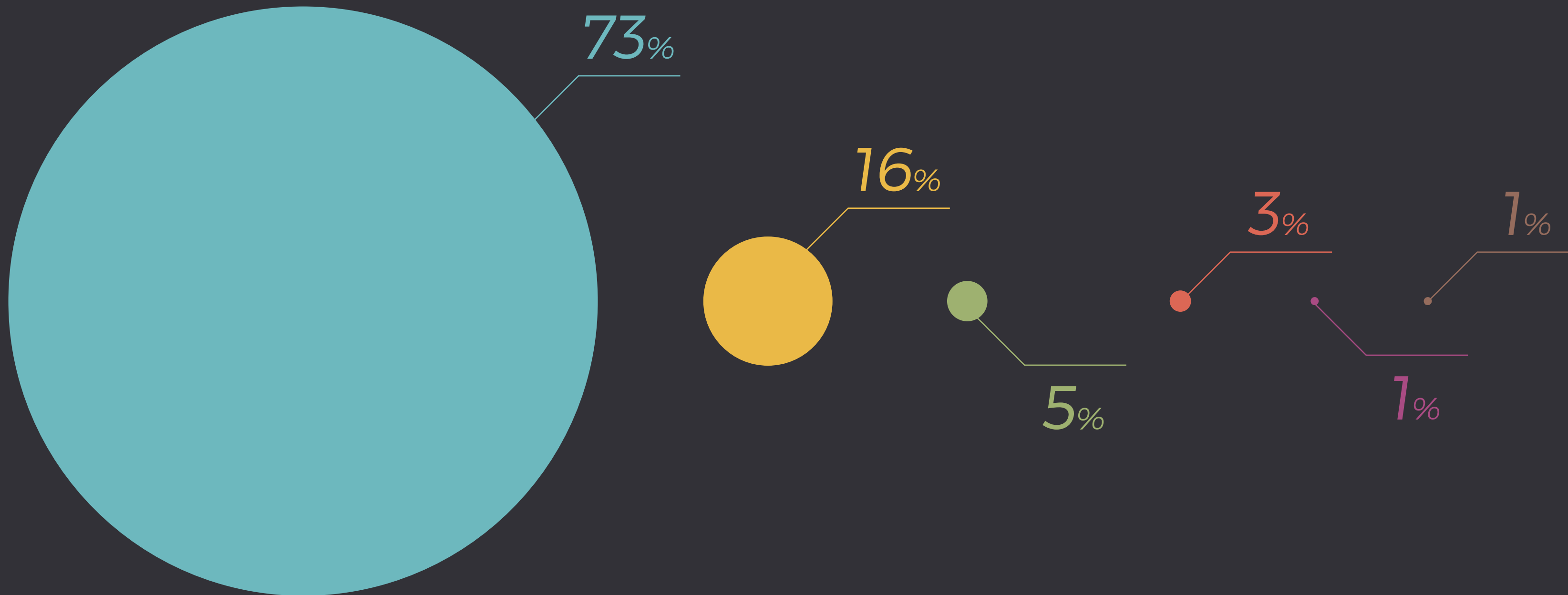
MOUNTAIN MUNICIPALITIES

MUNICIPALITIES EXTERNAL TO VALLE D'AOSTA

14

HOW LONG HAVE YOU BEEN LIVING IN THE TERRITORY OF THE DORA BALTEA RIVER ?

The majority of participants to the survey have been living in the territory of the Dora Baltea river for more than 30 years. Other respondents live in the region from a shorter period, often between 15 and 30 years.



MORE THAN 30 YEARS

BETWEEN 15 AND 30 YEARS

BETWEEN 5 AND 14 YEARS

BETWEEN 1 AND 4 YEARS

LESS THAN A YEAR,
I ARRIVED RECENTLY

I DO NOT LIVE ALONG
THE DORA BALTEA RIVER

15

HAVE YOU EVER PARTICIPATED IN ONE OF THE FOLLOWING ACTIVITIES ?

Most of the participants to the survey have already taken part to visits, explorations, or field workshops, but also to administrative meetings and information meetings. Another frequent way of participation is represented by surveys and data collection and monitoring.

VISITS, EXPLORATIONS, FIELD WORKSHOPS (e.g. nature or river festivals)
ADMINISTRATIVE MEETINGS OR GATHERINGS, BOARDS, RIVER COMMITTEES / INFORMATION MEETING ON THE RIVER, ITS USES, ITS STAKES AND ITS MANAGEMENT / PAPER OR ONLINE SURVEY OR QUESTIONNAIRE / INFORMATION OR DATA COLLECTION, MONITORING, INVENTORIES / CONSULTATION WHERE YOU COULD MAKE PROPOSALS / DIRECT INTERVENTION (e.g. riverbank cleanups)
DISCUSSION OR NEGOTIATION ON WATER DISTRIBUTION, POLLUTION OR WITHDRAWAL / PUBLIC ENQUIRY ON RIVER-RELATED MATTERS / RISK MANAGEMENT PLAN (e.g. droughts, floods) / OTHERS

MORE THAN 60 %

MORE THAN 50 %

MORE THAN 40 %

MORE THAN 30 %

MORE THAN 20 %

MORE THAN 10 %

16

WOULD YOU LIKE TO PARTICIPATE IN FURTHER REFLECTIONS AND WORK FOR A BETTER MANAGEMENT OF THE RIVER ?

Most of respondents to the survey are interested in participating in further reflections and works for a better management of the Dora Baltea river, mainly by Internet and mail, and even taking part to meetings and making proposals.



NO, THANKS

I WOULD LIKE TO BE INFORMED

I WOULD LIKE TO PARTICIPATE DISTANTLY,
BY INTERNET OR MAIL

I WOULD LIKE TO BE PRESENT
IN MEETINGS

I WOULD LIKE TO ACTIVELY PARTICIPATE
IN MEETINGS AND MAKE PROPOSALS

OTHERS

Interreg
Alpine Space



EUROPEAN UNION

SPARE

EUROPEAN REGIONAL DEVELOPMENT FUND

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DOCUMENT CONTROL

PROJECT

SPARE- Strategic Planning for Alpine Rivers Ecosystems

ACTION

WPT3 - action 4.1

DELIVERABLE

WPT3 - deliverables 4.1.3

DISSEMINATION

Public

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