

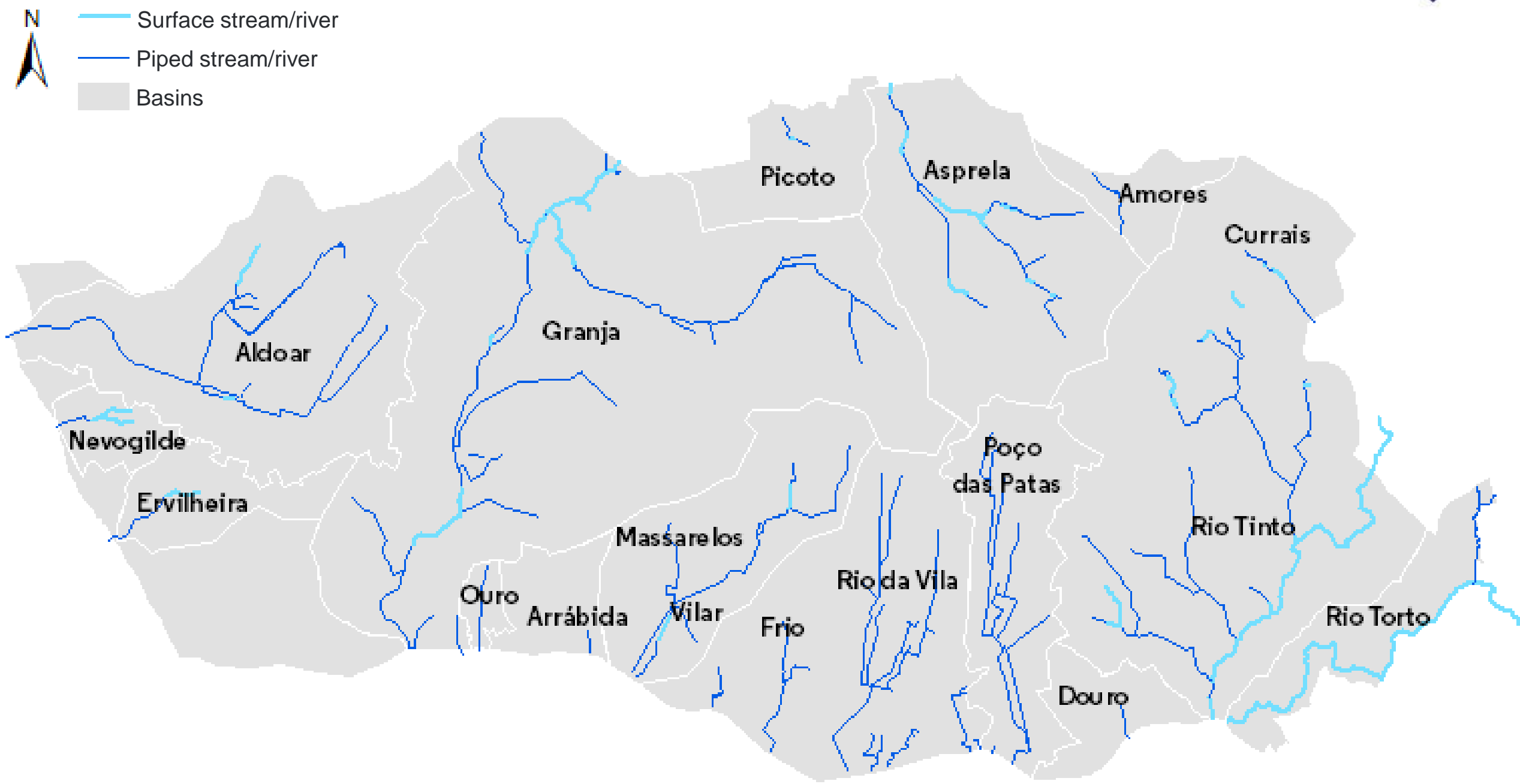


PLAN FOR VALORIZATION AND REHABILITATION OF STREAMS AND RIVERS IN PORTO




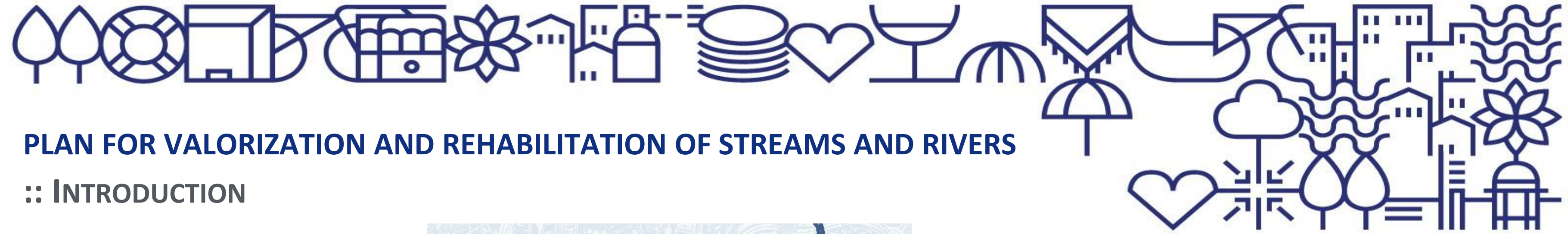
PLAN FOR VALORIZATION AND REHABILITATION OF STREAMS AND RIVERS

:: INTRODUCTION



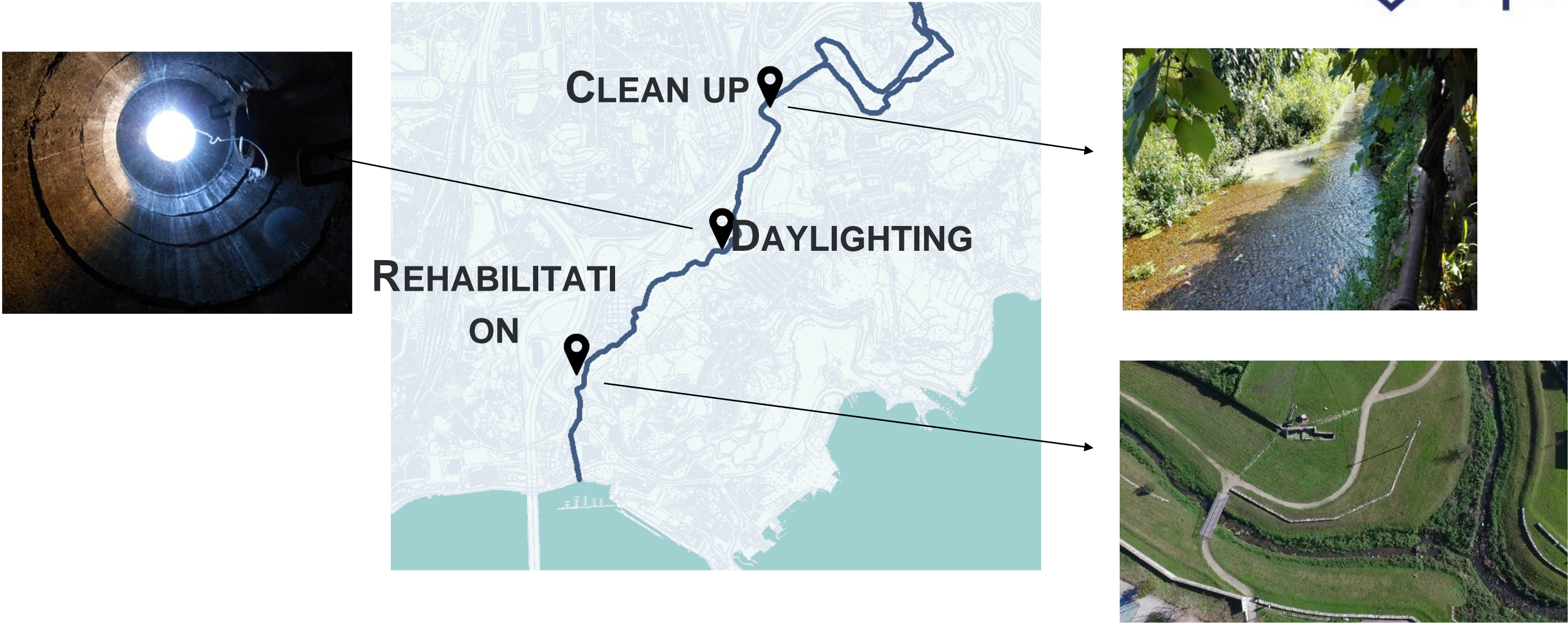

66 km
Rivers and streams


76%
Are Piped



PLAN FOR VALORIZATION AND REHABILITATION OF STREAMS AND RIVERS

:: INTRODUCTION



STRATEGIC AXIS FOR THE MANAGEMENT OF STREAMS AND RIVERS



PLAN FOR VALORIZATION AND REHABILITATION OF STREAMS AND RIVERS

:: INTRODUCTION

The **Plan for the Valorization and Rehabilitation of Streams and Rivers in Porto** (PVRSRP) aims the protection and valorization of rivers and streams in Porto city’s in order to improve the adaptation to climate changes and reduce the vulnerability of the territory.

MENU

17

Diário de Notícias

Proteção civil regista 307 ocorrências no Porto devido a inundações. Veja as Imagens

O distrito do Porto foi o mais atingido pelas fortes chuvadas que hoje fustigaram a zona norte do país. Proteção Civil registou mais de 300 ocorrências, desde inundações, voos cancelados, linha de metro parada e estradas interrompidas.

DN/Lusa

19 Outubro 2019 — 12:59

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TÓPICOS

o Meteorologia

o Braga

o Porto

o mau tempo

o País

Relacionados

1/9

MOSTRAR LEGENDA

FOTOGALERIA

Há 13 anos que as águas do Douro não inundavam Porto e Gaia

Na zona de Miragaia, no Porto, a altura da água chegou aos 80 centímetros.

20 de Dezembro de 2019, 13:07

0 PARTILHAS

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VER GALERIA

12/12/2020

Condicionamento da Rua Aleixo Mota, no Porto, mantém-se para reparação do pavimento que aluiu | Acidentes | PÚBLICO

ACIDENTES

Condicionamento da Rua Aleixo Mota, no Porto, mantém-se para reparação do pavimento que aluiu

Ruptura no entubamento da Ribeira da Granja deve ter provocado aluimento. Problema pode ser resolvido ainda na quinta-feira.

Jorge Alas · 17 de Abril de 2013, 16:44

O buraco na via tem quatro metros de profundidade e seis de diâmetro. PAULO PIMENTA

<https://www.publico.pt/2013/04/17/local/noticia/piscinas-do-fluvial-e-rua-aleixo-mota-no-porto-ainda-sem-gas-apos-aluimento-de-terras-1591608>

Iceland
Liechtenstein
Norway grants

REPÚBLICA
PORTUGUESA

AMBIENTE E
AÇÃO CLIMÁTICA

Porto.
Águas
do Porto

U.PORTO

FEUP

FACULDADE DE ENGENHARIA
UNIVERSIDADE DO PORTO

Porto.
Câmara
Municipal

apaa

agência portuguesa
de ambiente

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PLAN FOR VALORIZATION AND REHABILITATION OF STREAMS AND RIVERS

:: INTRODUCTION

The **Plan for the Valorization and Rehabilitation of Streams and Rivers in the Municipality of Porto** (PVRSRP) will contribute to the Municipal Strategy for the Climate Change Adaptation of Porto and it’s one of the local adaptation measures of the plan. However, it will also have an importante contribution at national level:

Objective II – “Implementation of adaptation measures” of ENAAC

- Measures and investments will be prioritized in order to minimize the vulnerability of the municipal territory (including its water resources) to climate changes

Objective III – “Promote the integration of adaptation in sectorial policies” of ENAAC

- It will represent an important contribution to the sustainable development of city and it’s urban planning instruments and policies

Action Program for Adaptation to Climate Changes (P-3AC)

- It will contribute to the resilience of the ecosystems, heat waves prevention, protection of floods and training, awareness and development of tools for adaptation;

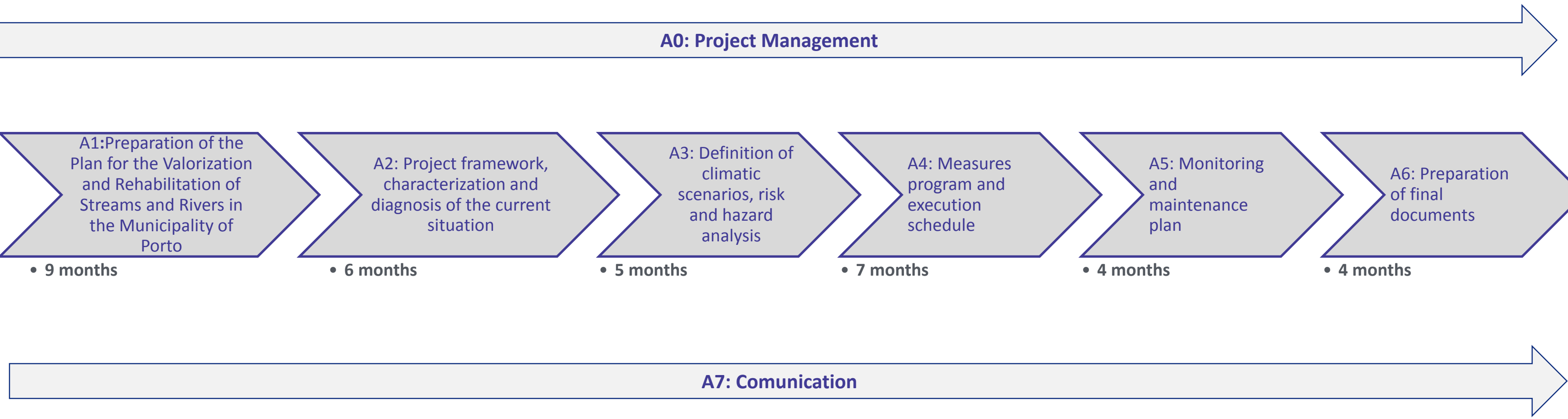


PLAN FOR VALORIZATION AND REHABILITATION OF STREAMS AND RIVERS

:: PROJECT GOALS

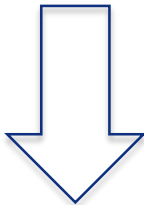
- Detailed characterization of rivers and streams;
- Engagement and participation of all stakeholders;
- Analysis of hazards and risks, considering different climatic scenarios;
- Identify and prioritize measures and investments in rivers and streams;
- Promote the adaptation of water resources and the city to the effects of climate changes;
- Promote the implementation of Nature Based Solutions (NBS) in rivers, streams and stormwater drainage network.







PLAN FOR VALORIZATION AND REHABILITATION OF STREAMS AND RIVERS
:: CONSORTIUM



Urban Planning
Civil Protection
Environmental Planning and Management



PLAN FOR VALORIZATION AND REHABILITATION OF STREAMS AND RIVERS

:: EXPECTED RESULTS

The **Plan For Valorization and Rehabilitation of Streams and Rivers** is an important strategic planning tool for the adaptation of the territory to the effects of climate changes and is also crucial in the management of the urban water cycle. This project aims to achieve the following results:

- ✓ **Identification and prioritization of measures and investments** that minimize the vulnerability of the Municipality and water resources to climate changes;
- ✓ **Support tool for decision-making, that should be periodically reviewed and improved**, in order to incorporate the evolution of knowledge about climate changes and other aspects that affect water resources;
- ✓ **Guideline for a more integrated and efficient management of water resources**, supporting the urban strategy and enhancement the valorization of the territory and heritage;
- ✓ **Prioritization of “green” drainage solutions (sources by nature) over “gray” (traditional) solutions;**



- ✓ **Positive impact on economic and social activities and ecosystems;**
- ✓ **Improvement in the quality of life for the resident and floating population of Porto due to the minimization of the climate changes effects (floods, heat waves, coastal overturns) and the increase in environmental, landscape and social value in city;**
- ✓ **Innovative project that can be replicated in other similar cities;**
- ✓ **Engagement of stakeholders in the development of the project and the population in the preservation and conservation of water resources.**





Porto.

