



RISE-IN

RESILIENT INVESTMENT FOR
SUSTAINABLE ENVIRONMENTS

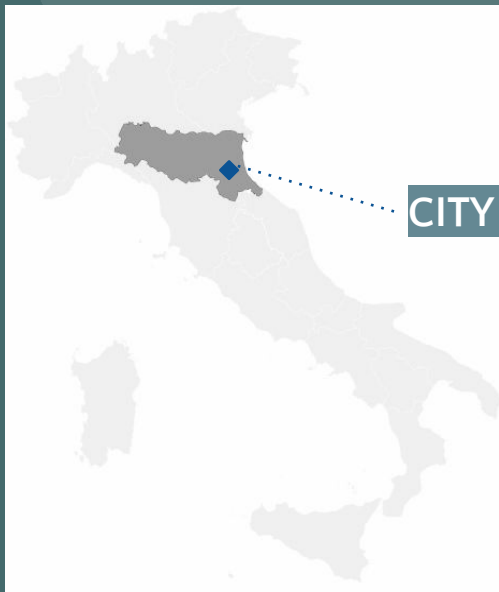


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Cesena Demo, Italy

Resilient Investment for Sustainable Environments



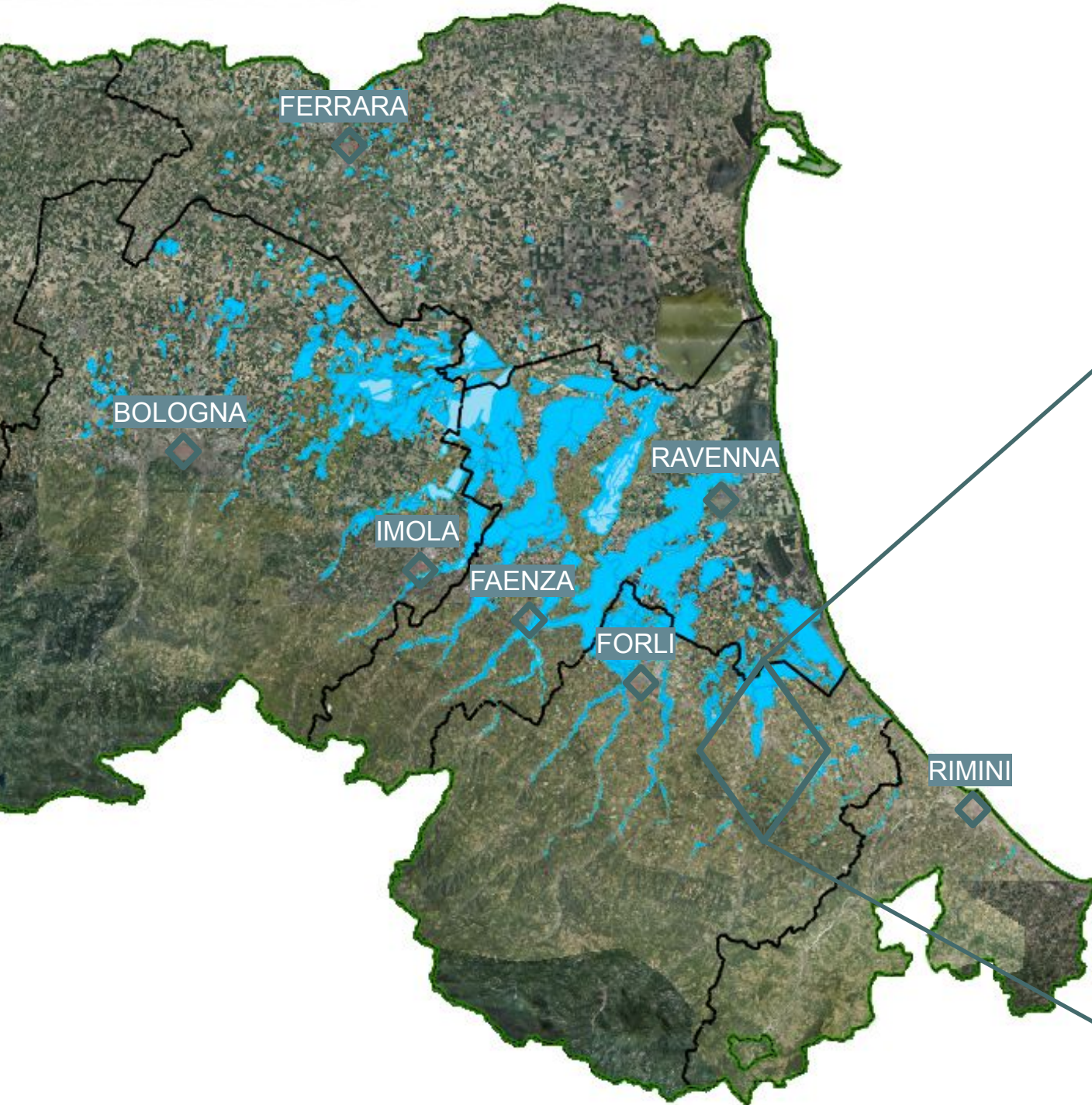
CITY of CESENA



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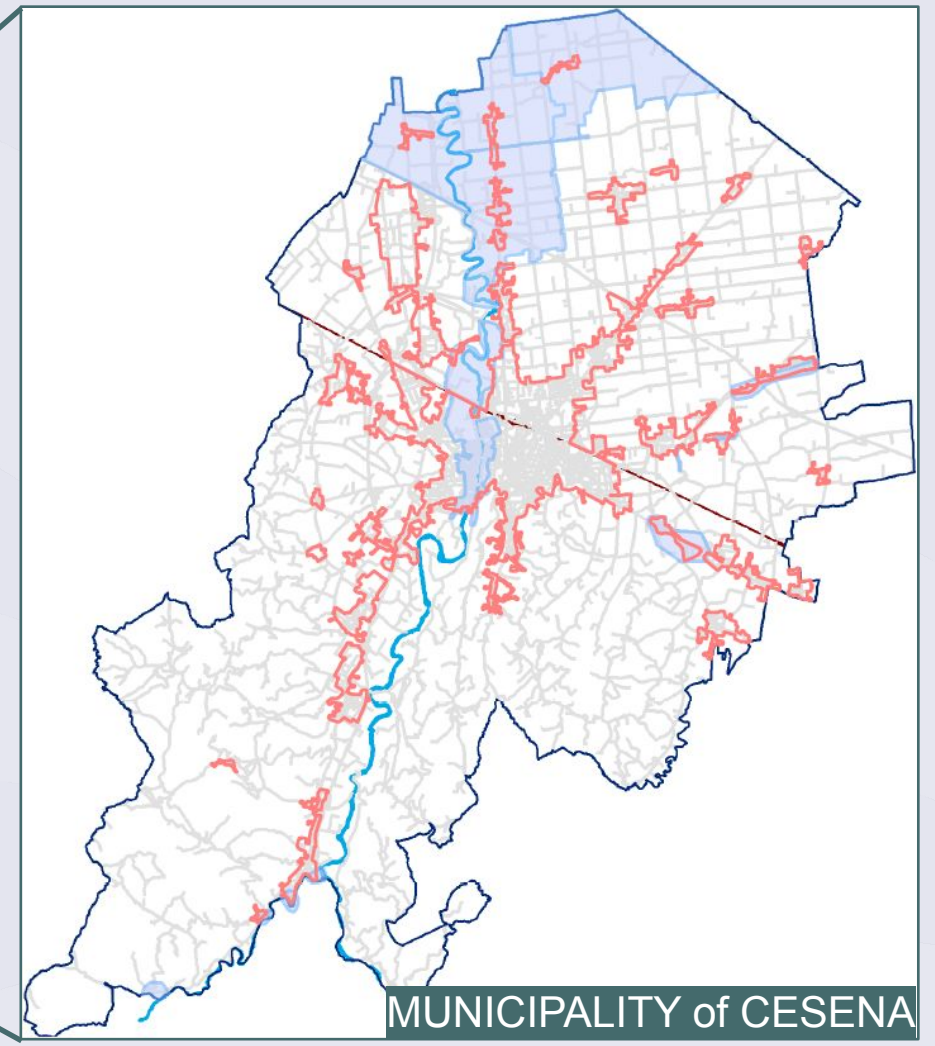


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INTRODUCTION

Flood event of May 2023



Major flood event: 16-17 May 2023



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Major flood event: 16–17 May 2023

- The definition of the “Special plan for the post-flood reconstruction” approved by the Po River Basin Authority (ADBPO)
- Reconditioning of the sewage system
- Infrastructural intervention on the river banks by the Regional Agency for Territorial Security and Civil Protection



Towards a more resilient and climate-neutral city



EU PROJECTS ON URBAN RESILIENCE



SAVIO RIVER

Emergency management
Ecosystem services
River enhancement
Nature Based Solutions
Hydraulic security



LOCAL POLICIES AND INSTRUMENTS

- NATURAL AND SEMI-NATURAL PROTECTED LANDSCAPE OF THE SAVIO RIVER
- GUIDELINES FOR THE DESIGN AND EVALUATION OF ECOLOGICAL SERVICES AND ENVIRONMENTAL COMPENSATIONS



RIWET PROJECT



The project objective is to address the challenges and determine solutions to improve governance through public-private partnerships to increase local communities roles in restoration, management and conservation of Rivers and Wetlands as blue-green infrastructures.

Policy Instrument

The aim for the city of Cesena is to expand its General Urban Plan to include a specific tool that defines a strategy for the enhancement of the river as an ecological corridor with natural and social functions.

The 3 main key aspects are:

- 1) Environmental protection
- 2) Hydraulic security
- 3) Relationship between river and people

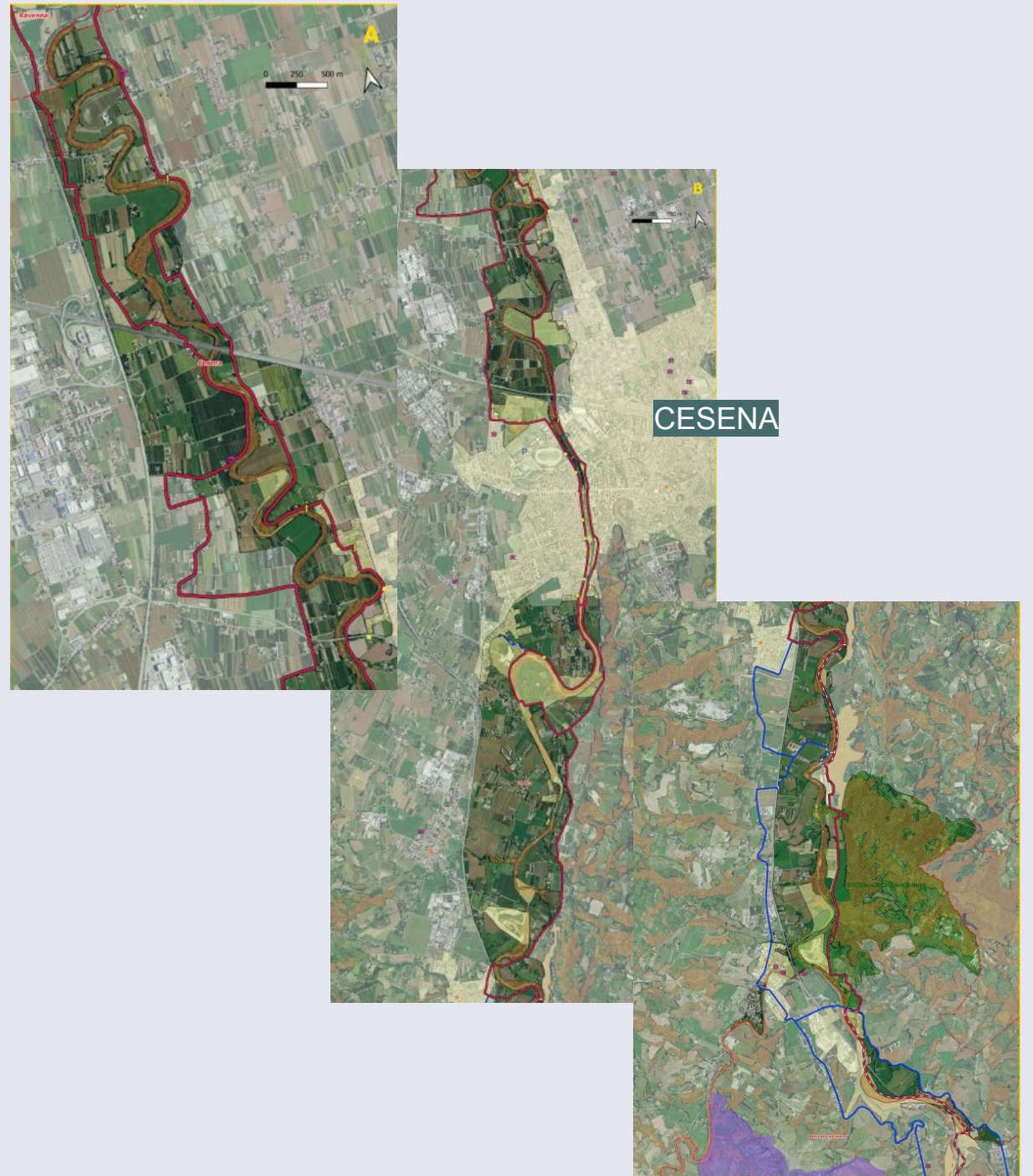
The process towards the definition of a common policy instrument started on July 21st 2025 with a first informal appointment with the main stakeholders involved, while in March 2026 the operational works were kicked off.



Natural and Semi-Natural Protected Landscape of the Savio River

Its recent institution comes from the recognition that the long-standing relationships between the natural environment (of the Savio river and its surrounding areas) and human activities (carried out in its proximity) have favoured the maintenance of habitats and species in a good state of conservation.

The RIWET project will be strategic in developing the know how to draft the management plan for the Protected Landscape.

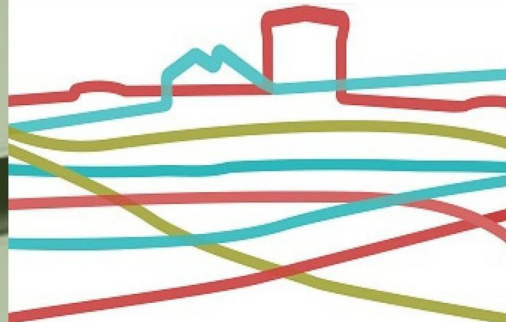


**Regolamento per la
realizzazione e valutazione
delle *Dotazioni* territoriali
multiprestazionali e
Ecologico Ambientali e delle
Compensazioni Ambientali
(DEAm/CA)**

A cura di:



**SETTORE GOVERNO DEL TERRITORIO
SETTORE TUTELA DELL'AMBIENTE E TERRITORIO
SETTORE LAVORI PUBBLICI**



Guidelines for the design and evaluation of ecological services and environmental compensations



The document, named “**DEAm/CA Regulation**”*, provides a **collection of performance guidelines, design abacuses and good practices**, useful to operators for the drafting, evaluation and realisation of the environmental and ecological services envisaged by urban transformations.

These services are defined as the set of spaces, infrastructures and interventions that contribute to tackling climate change and aim to **reduce natural and industrial risks** and **improve the quality of the urban environment**. (LR 24/2017).

*Regolamento per la valutazione delle *Dotazioni territoriali multiprestazionali e Ecologico Ambientali* e delle *Compensazioni Ambientali*

Cesena Demo, Italy

Resilient Investment for Sustainable Environments



Mitigate flood risk along the Savio river

Testing economic mechanisms capable of ensuring the financial sustainability of the solutions in the long term.

Co-creation and co-design activities

Implementation of a Climate Resilient Solution (CRS)



Cesena Demo, Italy

Resilient Investment for Sustainable Environments



The 1st year of RISE-IN consisted in 2 main practical activities for our team:

Data Collection

Site Analysis

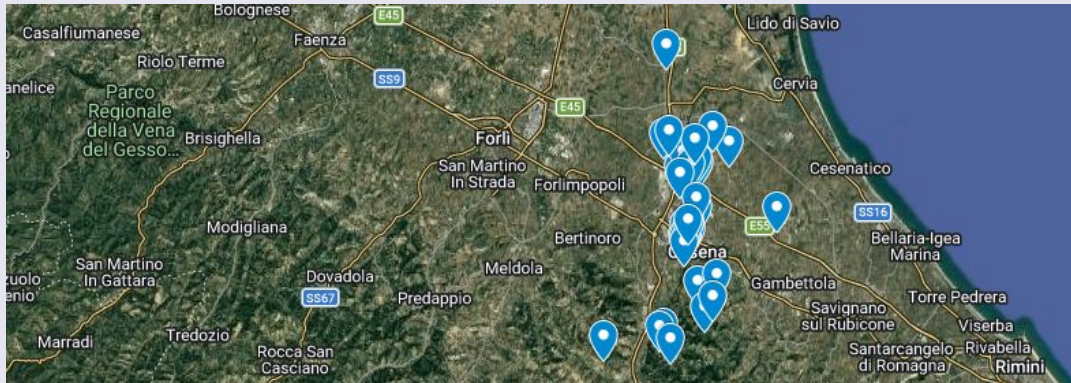
Data Selection

Site Selection

Data collection and selection



- Land information
- Weather conditions
- Extreme events
- Water and hydrological information
- Urban infrastructures (i.e. bridges, buildings, etc...)
- Industries
- Employees
- Dwellings



Blue: Legal entities (public areas or companies')
Orange: Privates' areas

Site Analysis and Site Selection

Four sites along the Savio river were object of analysis for implementation and replication:

1. Meanders in the north of Cesena

2. Sant'Anna Area

3. Ca' Bianchi Quarry

4. Il Molino Quarry





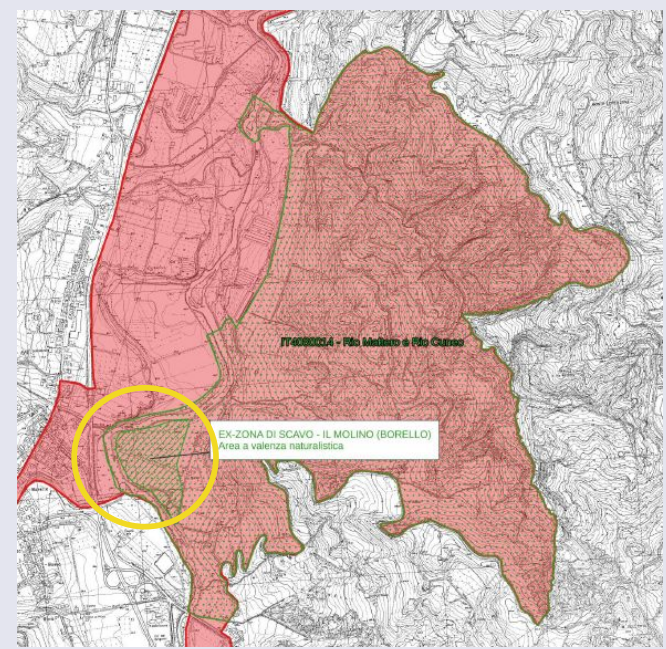
Demo site: Il Molino Quarry



After the first focus on Ca' Bianchi quarry, the quarry il Molino resulted to be more interesting than expected and the multiple factors considered during the analysis suggested this area as the most suitable to take into account for the actions.



It's located to the south of the city, in the foothills.



Boundaries of the Site of Community relevance of the Natura2000 Network, where Il Molino is included.

Demo site: Il Molino Quarry



The flood occurred in 2023 significantly damaged the local environment, and the maintenance works were discontinued.

From this, it has been necessary to restore the area and mitigate the flood risk closer to the city. For this reason, the interventions needed on the areas are aligned with RISE-In objectives.



In 2017, during the excavation works



Final project after quarry activities



In 2023, after the flood

THANK YOU FOR YOUR ATTENTION!

Sofia Delvecchio,
Municipality of Cesena

RISE-IN CONSORTIUM



FOLLOW OUR JOURNEY



in
@rise-in

X
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ACKNOWLEDGEMENT



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the European Union**

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