

EURO RIOB 2025

Session 2 - Adaptation to Climate Change: How to Better Manage and Prevent Flooding



Experience of the Rhine-Meuse Water Agency in Flood Management and Prevention

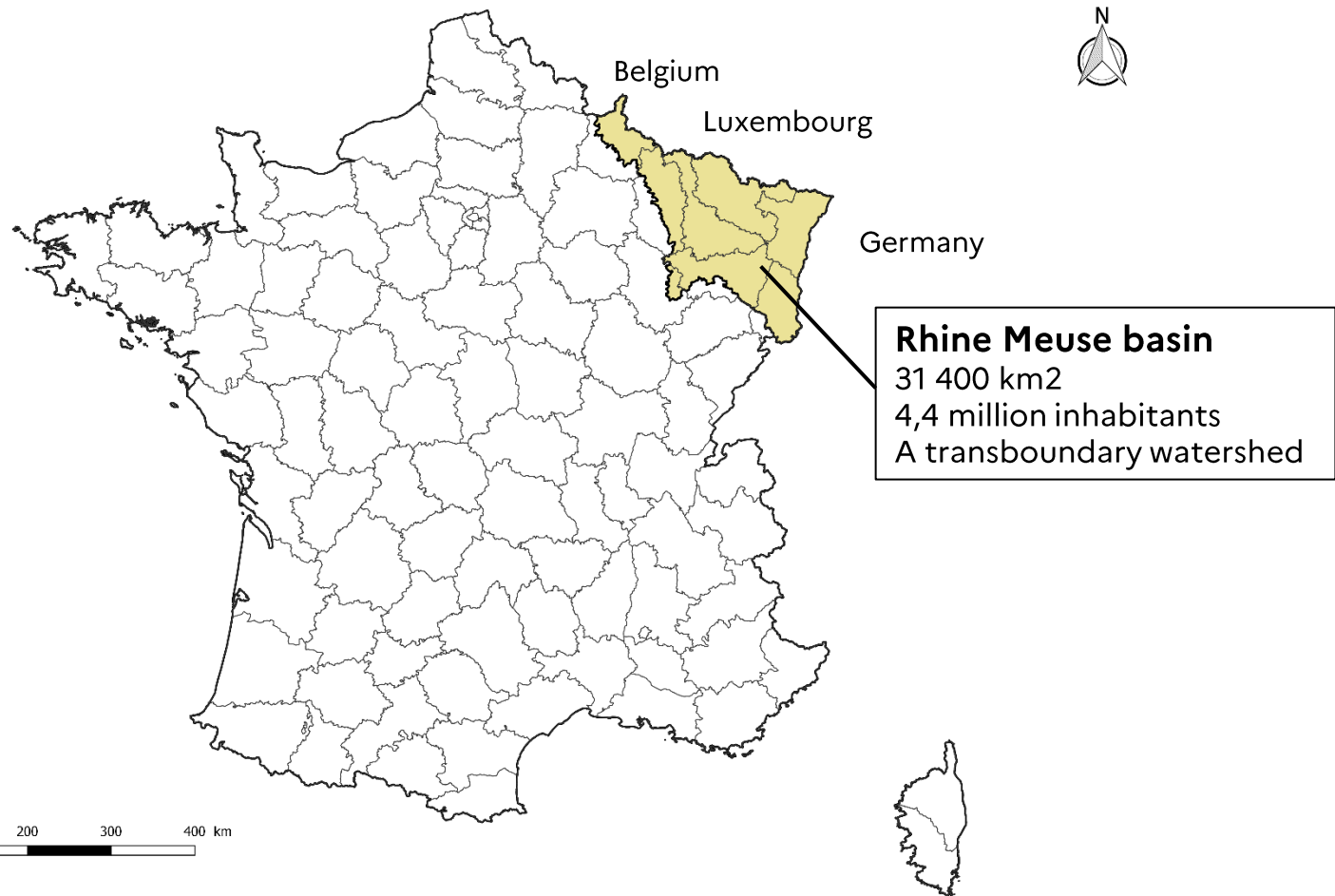
A synergy of Water Framework Directive and Flood Directive

By Audrey Bardot – President of the Basin Committee



Context of the Rhine-Meuse basin

Geographic context



Context of the Rhine-Meuse basin

Impact of Climate Change Floods in the Rhine-Meuse basin

Floods in 2018, 2021 and 2024 that affected western Europe, including eastern France, illustrate the reality and severity of climate hazards in a context of climate change, which will likely increase their frequency and intensity. → **Expected developments in climate change highlight an increase in sensitivity to flood risk, particularly for runoff and Mudflows.**

In the Rhine basin, 13% of municipalities are listed as being at risk of runoff and mudflows.



Floods of May 17, 2024 in the Niefs French basin

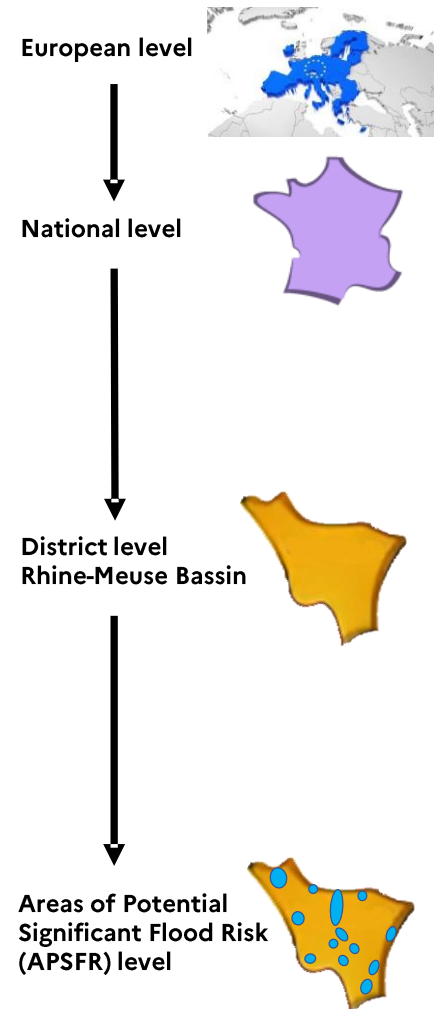
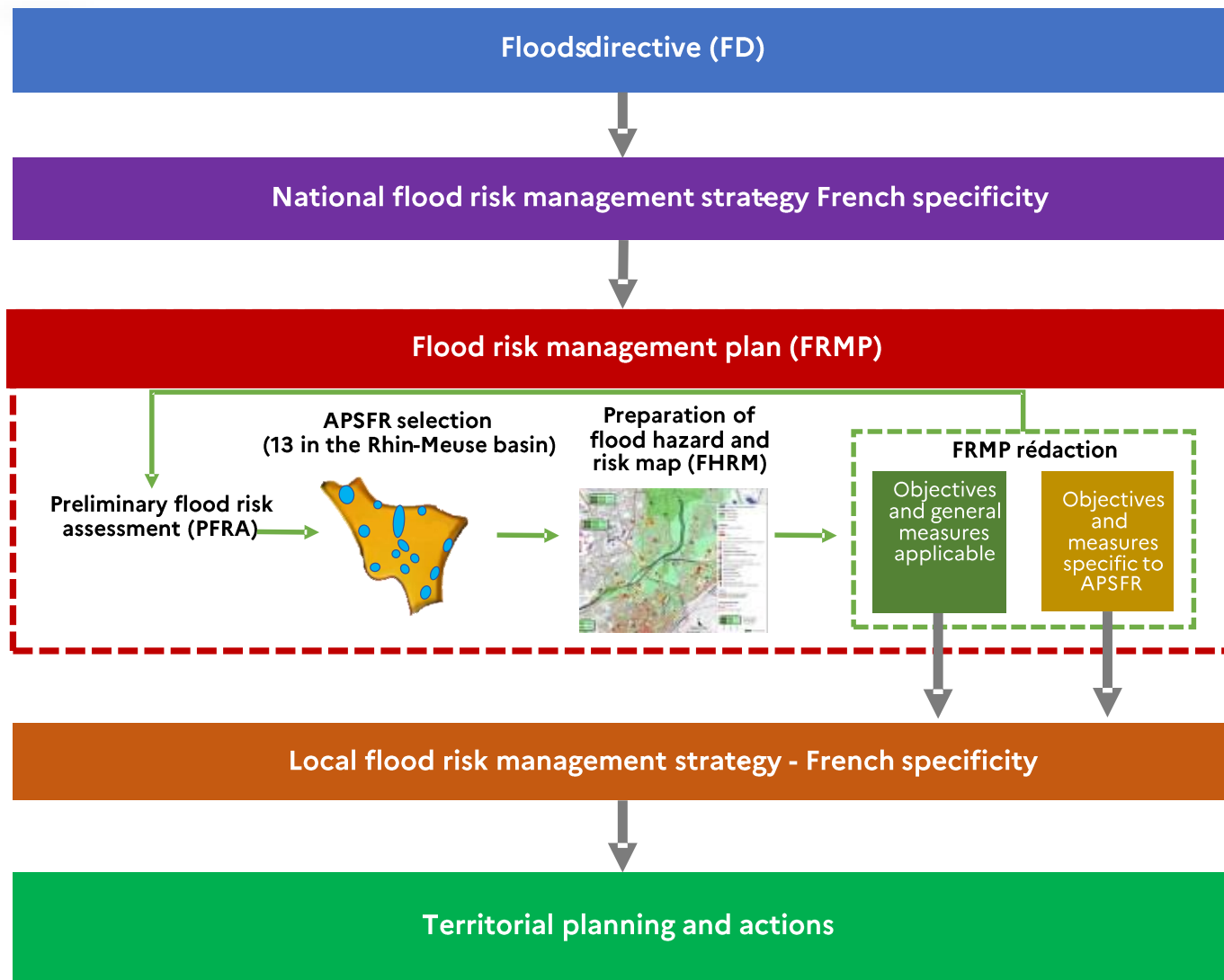


July 2021 floods in the Chiers basin

The Floods directive (FD) in brief : French declension

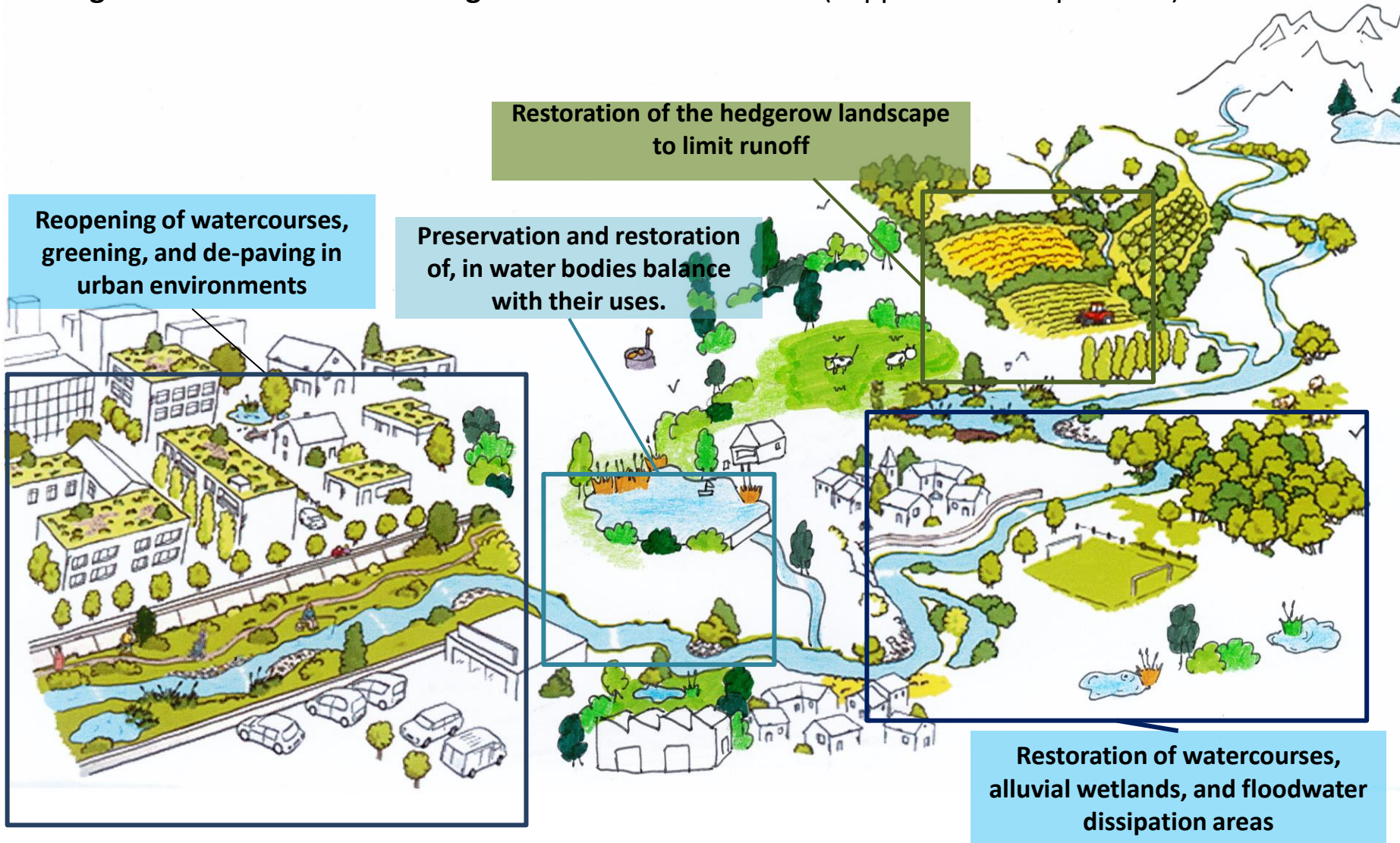


The Floods directive (FD) in brief : French declension



Policy of the Rhine-Meuse Water Agency

We assist project holders in conducting studies and projects aimed at reducing flood risks while also providing benefits for the functioning of natural environments (Support rate of up to 80%)



Examples of Achievements

The HEBMA program: An example of a mixed program integrating Ecosystem restoration and flood risk prevention



Restoration of a natural flood expansion area featuring wetlands and a natural hydromorphological functioning on the Saonelle (Meuse tributary)

Cost : **947 100 €**

AERM Funding : **474 550 €**

Remeandering of the Saonelle in Sionne

Examples of Achievements

Restoration of the hedgerow landscape to limit runoff



Cost : 60 000 €
Funding AERM : 80%.

250 m of live fascines
2,1 km of hedges

Example of hedgerow restoration carried out by EPAGE Largue (68): installation of live fascines and hedges.

Examples of Achievements

The PAPI Madon (Moselle tributary) : An example of a mixed program integrating Ecosystem restoration and flood risk prevention



Flooding during a centennial flood over an area of approximately **85 hectares (1 millions m3)**

A reduction of 30 cm in the centennial flood level downstream of the structure

Dynamic Flood Retention Area of Velotte-et-Tatignécourt

Examples of Achievements

Integrated management of rainwater in primary and nursery school playgrounds



De-paving of **5 366 m²**
Significant revegetation
Rainwater harvesting



Cost : 1 Millions €
Funding AERM : 50%.

Requalification of school playground in Saint-Privat-la-Montagne



**Thank you for your
attention**