



# ADAPTATION



## FLOOD CONTROL MEASURES ALONG THE RIVER TANARO

ASTI, ITALY

The city of Asti is implementing flood control measures. This consists of installing two hydraulic pumps on the main wastewater pipe to reduce risk of flooding during current and projected increase in heavy precipitation events. The main pipe is connected to River Tanaro in Asti.



### HAZARDS ADDRESSED

- Heavy precipitation
- Flooding



### SOLUTIONS

- Hydraulic pumps



### FUNDING

- Local government's own funds

### STATUS OF MEASURE





## DIRECT BENEFITS

- Reducing flood risk on critical infrastructure and built environment



## CO-BENEFITS

- Improving recreation and well-being of citizens by building new recreation areas, such as introducing new bike lanes and an urban garden.



## STAKEHOLDERS ENGAGED

- City of Asti
- Piedmont Region
- Agenzia Interregionale per il fiume Po-Tanaro (river navigation)
- Autorità d'Ambito n.5 Astigiano Monferrato (aqueducts, sewers and purification plants)
- Asp Asti (waste management)
- Gruppo Cittadini Tanaro e Borbore Asti (civil society org.)
- Ferrovie dello Stato (national railway)



## NEXT STEPS TO PROGRESS AND/OR UPSCALE THE MEASURE:

Small cities at risk from flash flooding can learn from Asti about their efforts reconstructing the river embankment as well as resilient construction of water pumps and water discharge channels. Such efforts not only mitigate flood risk, but can provide co-benefits for citizens through strengthened recreation and well-being.