

ACTION NAME	C3 Demolition of the Inturia dam
SCZ in which the action is undertaken	Leitzaran river
LINK WITH NATURA 2000	Demolishing the Inturia dam coincides with the following Natura 2000 planning objectives: - Operational Objective 3 "Eliminate the obstacles in the aquatic channel" of the key Ecological River Channel management element. It is specifically related to action "AP1. Draft and execute projects to permeate/demolish the obstacles associated with disused concessions in the SCZ or in nearby areas", among which the Inturia dam has been identified as a priority objective. - Operational Objective 2 "Limit the impacts on fish species present in the SCZ" of the key management element " <i>Parachondrostoma miegii</i> and the Fish Community in general", which returns to the actions of the Ecological River Channel. It is also related to the potential capacity of the Leitzaran to house the Atlantic salmon (<i>Salmo salar</i>).
Key Elements of the promoted SCZ	Action benefits: - Direct benefit to the key elements "Ecological River Corridor", "European mink (<i>Mustela lutreola</i>)" and " <i>Parachondrostoma miegii</i> and the Fish Community in general" of the SCZ Management Plan. - Potential benefit to species of community interest, Atlantic salmon (<i>Salmo salar</i>).
PLACE OF ACTION AND MUNICIPALS:	Leitzaran river Municipal of Eduain.
Date	2015-2016
Budget	€166,608
Description of the action - OBJECTIVES	The main aim of this action is to completely eliminate the obstacle and the alterations it causes.
Description of the action - BACKGROUND	The Inturia dam, at almost 13 m high, constitutes an impossible obstacle to cross, dividing the Leitzaran river with an imposing structure that crosses the 60 m that separate the two river banks at the highest point. Added to this is the reservoir that is generated over 1,400 m. Through this stretch, the river is completely transformed, a slow water area substitutes the series of rapids and pools needed by key species such as the mink, the desman, the trout or the salmon. It also modifies the river banks and extremely important natural processes such as sediment circulation. For these reasons, and given that it is an industrial ruin, a decision has been taken to demolish it. The process was initiated thanks to the GURATRANS

project, in which 2 of the 4 envisaged phases were completed in 2013 and 2014. It was decided to demolish the dam gradually to allow the river to adapt gradually to the changes that occur.
By the end of the GURATRANS project, the height of the Intura dam was reduced by 6 m, and studies reveal a favourable recovery of the natural habitats and river processes.

Description of the action - ENVISAGED ACTIONS/DESCRIPTION OF FOLLOW UP

Demolition of the Inturia dam is set to be finished in two phases. In each phase the height of the dam will be reduced by around 3.5 m until the river bed is reached.
Instead of leaving a year between each phase, there will be just a 5-month gap. This is due to stability problems on the Plazaola Greenway, which is being eroded by the river along a stretch near the dam. Reparation of this eroded area is also envisaged.

JUSTIFICATION What are the desired results? - ENVISAGED RESULTS

The aim is to completely eliminate the Inturia dam and the associated alterations, such as the stretch of retained waters generated, covering over a kilometre.

