The comeback of Atlantic Salmon in the Orne river: result of 10 years of dam removal projects

Dam Removal Europe Workshop

Birmingham – September 25th 2017







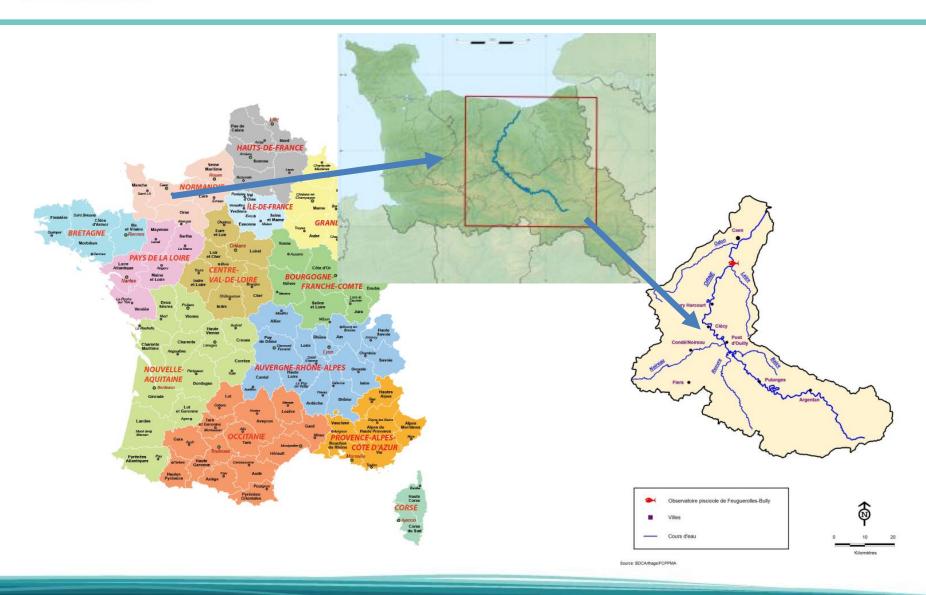








The Orne river Watershed





5 migratory species







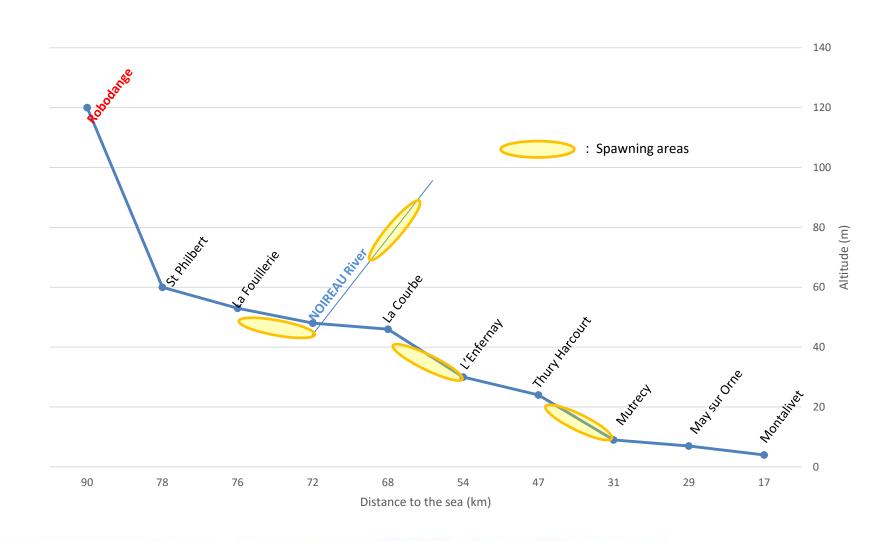
The Orne river

- > A 177 km coastal river
- > 1700 km of rivers in the watershed
- Important slope (many spawning and growing areas)

> PRIORITY AXIS FOR ECOLOGICAL CONTINUITY RESTORATION

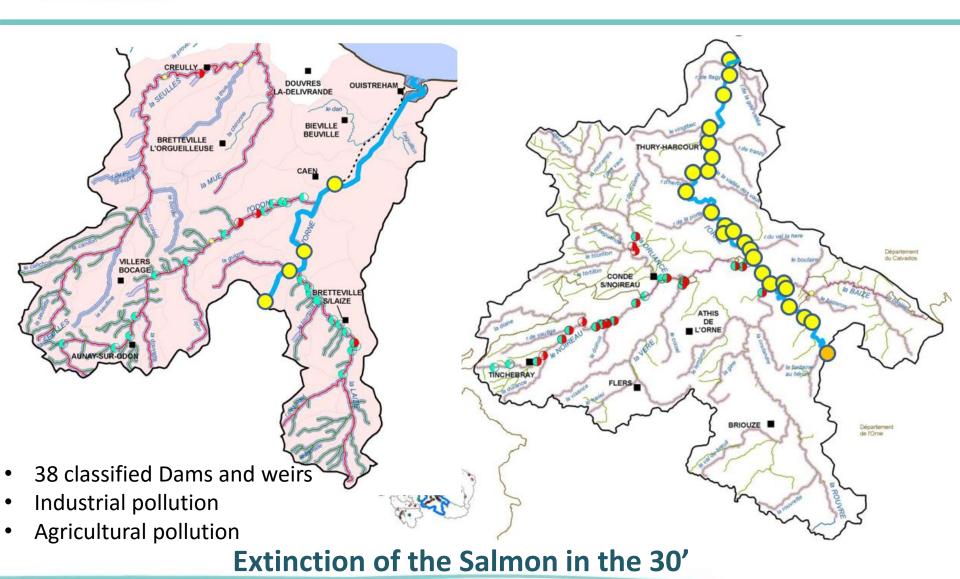


The Orne river





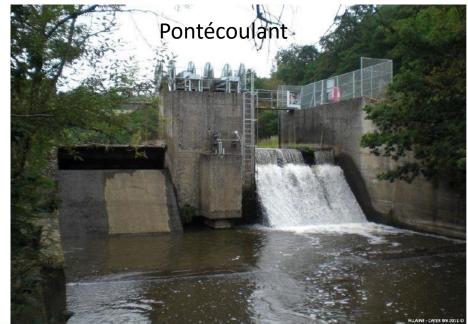
Different issues











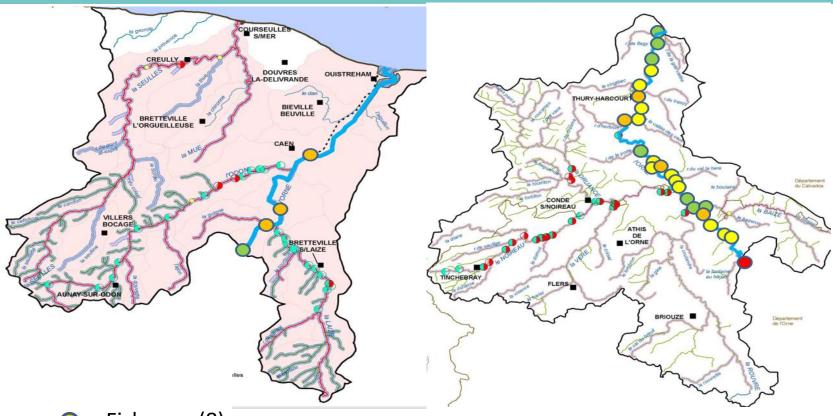












: Fish pass (8)

: Passable by Salmon / ruined

: Removed dams (8)

: unpassable (1)



A dam removal example





√ L'Orne renait à l'Enfernay (15 sec video link)



The comeback of Atlantic Salmon

✓ Upstream migration followed since 1980

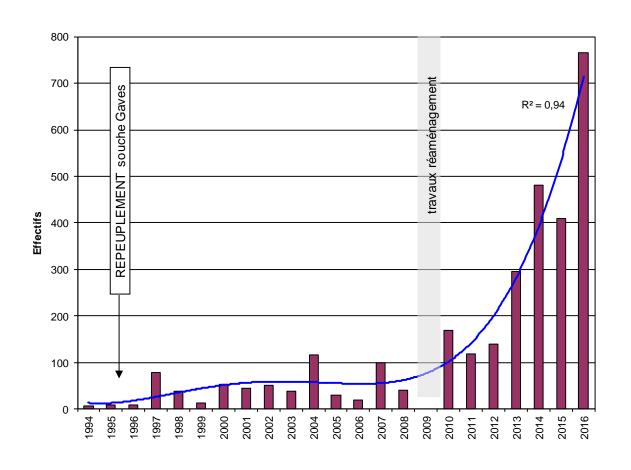








History of Salmon upstream migration





See you at lunch to watch the movie



Example of a dam removal project in urban environment: The Druance River





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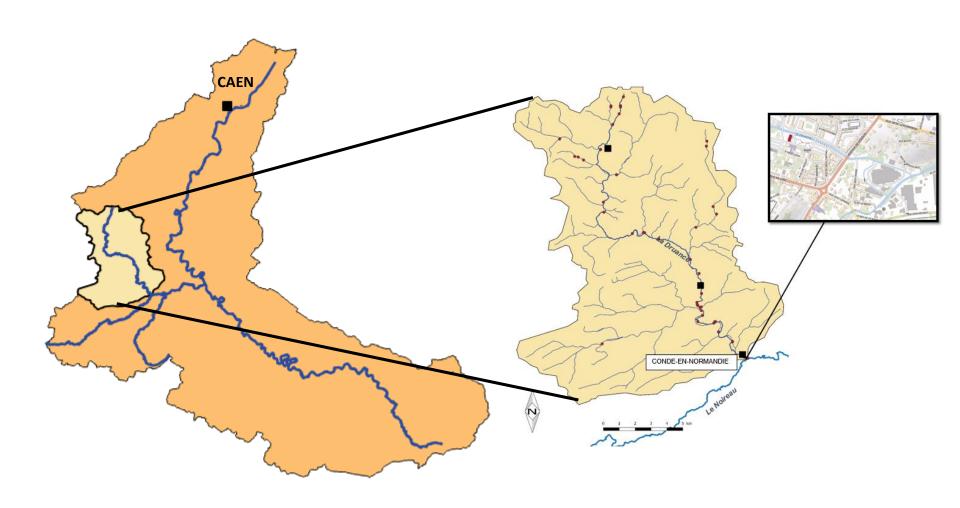
Grands Migrateurs Normandie Grands Migrateurs

- √ NGO borned in 2015
 - 2 employees
- ✓ Created by
 - The 3 fishing federation of Low Normandy
- ✓ It aims to
 - Restore aquatic environment and ecological continuity
 - Contribute to protect and develop migratory fish populations





Study site

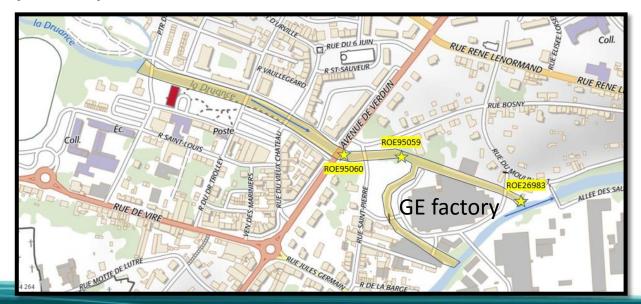




Study site

✓ Current situation

- 500 m of rectified river crossing the city
- 3 weirs (2 useless and 1 used by General Electric for pumping in case of fire)
- GE factory is implanted on the « confluence island »





Grands Migrateurs Why a river restoration project?





Grands Migrateurs Why a river restoration project?



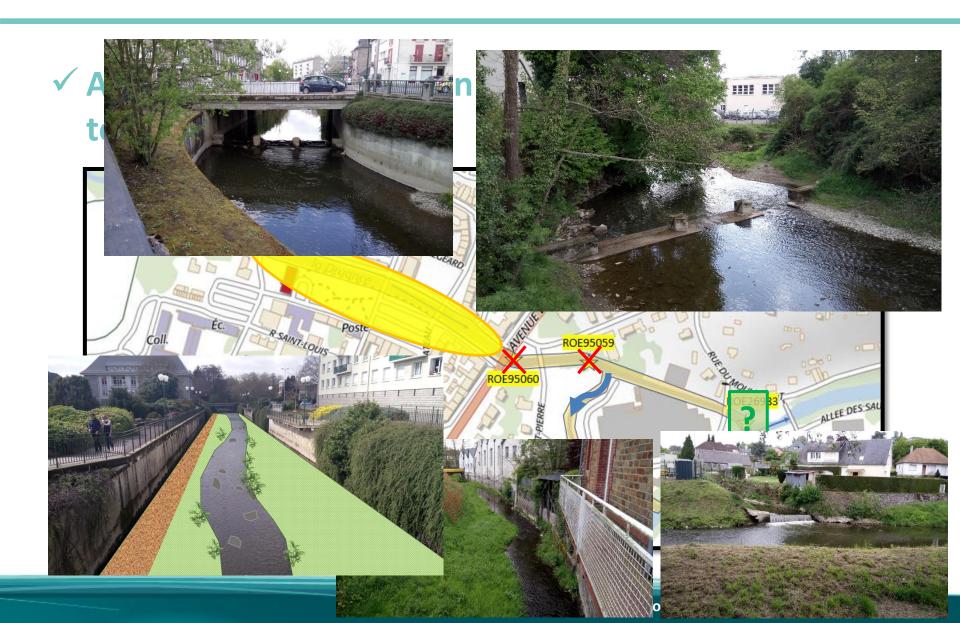


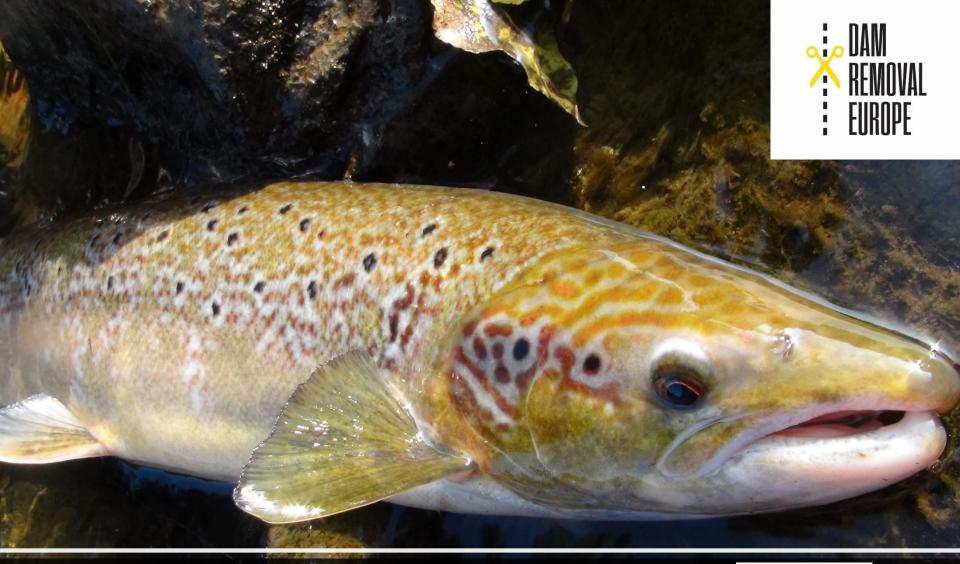
RESTORE ECOLOGICAL CONTINUITY AND HABITATS FOR MIGRATORY SPECIES





Solutions ideas







Thank you for listening

