



# Closing the financing gap for wetland restoration

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RESTORE4Cs EU policy workshop, 19th February 2025



#### Context

- Insufficient financing is a significant barrier for nature-based solutions uptake
- Why? Coastal wetlands (like other NbS) pose challenges for financing
  - Generate **"public" goods**, which are undervalued by markets (e.g. biodiversity conservation)
  - Scattered benefits: Wetlands generate multiple economic benefits for many beneficiaries
  - Benefits are difficult to measure
  - Relatively small project size
- Call for significant increase in private investment to meet NbS financing gap but some concerns.
- Limited available research on NbS financing, and coastal wetlands





#### **Research questions**

- 1. How much does restoration of coastal wetlands cost? What are the budgetary requirements associated with ecological restoration?
- 2. How are wetland restoration projects currently paid for? How are coastal wetlands currently funded/financed as nature-based solutions?
- 3. What is the future role of **private finance**? How could innovative financing instruments pay for NbS in the future?

#### Methodology

Literature: Building from PONDERFUL project results

Evidence from RESTORE4Cs case studies

• Altered versus restored sites









#### Objectives:

- Identify options for how different types of NbS can be financed
- Allow NbS developers to answer, "how can I pay for my NbS project?"
- Expand PONDERFUL inventory

#### Contains:

- 22 Financing instruments
- 26 Real-world examples
- Interactive online version and a tool

The RESTORE4Cs Sustainable Finance Inventory - Categories and instrument structure

Main category	Category definitions	Instruments	Examples
1. Income instruments	Instruments for raising revenue that can then be used to finance NbS. Some can be used by landowners (1.1, 1.4, and 1.5); others can only be levied by government-sanctioned associations (1.2 and 1.3) or governments (1.8).	1.1 User fees	Altnabrocky River
		1.2 Business improvement districts	Vauxhall Missing Link
		1.3 Betterment levies	Wimbledon and Putney Commons
		<ol> <li>1.4 Development rights and leases</li> </ol>	SANPark concessions fo tourism
		1.5 Sale of market goods	Carp Ponds in Bavaria, Germany
		1.6 Other revenue raising measures	UK Network Rail Port Townsend water util fee
2.Contracting approach (cost reduction/ restructure)	Legal agreements that reduce or restructure the costs of financing NbS, either by providing assets or use of assets at below market rates (2.1) or by shifting financing of upfront costs in return for ongoing payments (2.2).	2.1 Community asset transfer	Chapman's Pond Community Company
		2.2 Public private partnership	Valley State Parks Camping Concession
3. Voluntary contributions/ donations	Voluntary payments made of own free-will, whether a direct beneficiary of the NbS (3.2) or simply to contribute (3.1, 3.3)	3.1 Philanthropic contributions	The Living Danube Partnership
		3.2 Voluntary beneficiary contributions	Wild Haweswater - contribution
		3.3 Crowdfunding	Treflach Wetland UK - crowdfunding
4.Tradable rights/permits and payment for ecosystem services	Financing is raised by selling the 'rights' to ecosystem services generated by the NbS. This payment can be relatively informal (4.1) or through structured markets for climate mitigation (4.2), for offsetting damage to biodiversity elsewhere (4.3), or for reducing water pollutants (4.4).	<ol> <li>4.1 Payment for ecosystem services</li> </ol>	Vittel (Nestle Waters) PE
		4.2 Transfer-based instruments: voluntary carbon markets	MoorEutures
		4.3 Transfer-based instruments: Biodiversity offsets and habitat banking	Eco-Accounts biodiversit offset Great Crested Newts 'District Licensing'
		4.4 Transfer-based instruments: Water quality trading systems	Pennsylvania nutrient cre trading
5. Subsidies	Subsidies are a financial contribution from the government to a person, company or organisation to promote socially beneficial outcomes. They can be ongoing payments (or tax breaks) linked to outcome or production (5.1, 5.2)	5.1 Environmental subsidies	Ecofarm Petra Marada – CAP subsidies
		5.2 Tax concessions	Western Australia Conservation Covenant
6. Grants	Direct contribution from government (local, national, or EU) to a recipient in return for undertaking a specific activity. Grants are generally one-off payments (though they may be paid in instalments), and often competitive (6.1).	6.1 Grants	Hunte-Leda- Moorniederung
7. Debt instruments	Transfer of capital in return for a promise to repay that capital over time, generally with interest. This can involve direct lending from a lender to a borrower (7.1) or be mediated through debt markets (7.2).	7.1 Loans and green loans	Linnunsuo – Rewilding Europe Capital Ioan CWS Revolving Fund – Winona Wetlands
		7.2 Bonds and green bonds	DC Water Environmental Impact Bond The Conservation Fund's Green Bond
8. Equity finance	Financing raised by selling an ownership share of the NbS, potentially with a claim to some of its profits. This can be motivated by a desire to have impact (8.1) or be purely commercial (8.2)	8.1 Impact investing	Sumatra Merang Peatlan Restoration Project
		8.2 Commercial investing	Mill Creek Mitigation Ban





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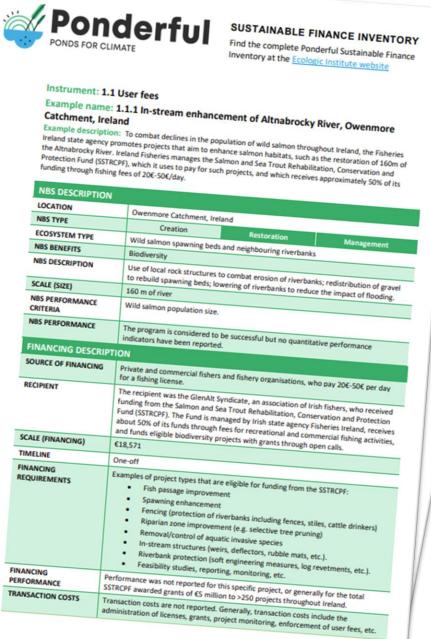


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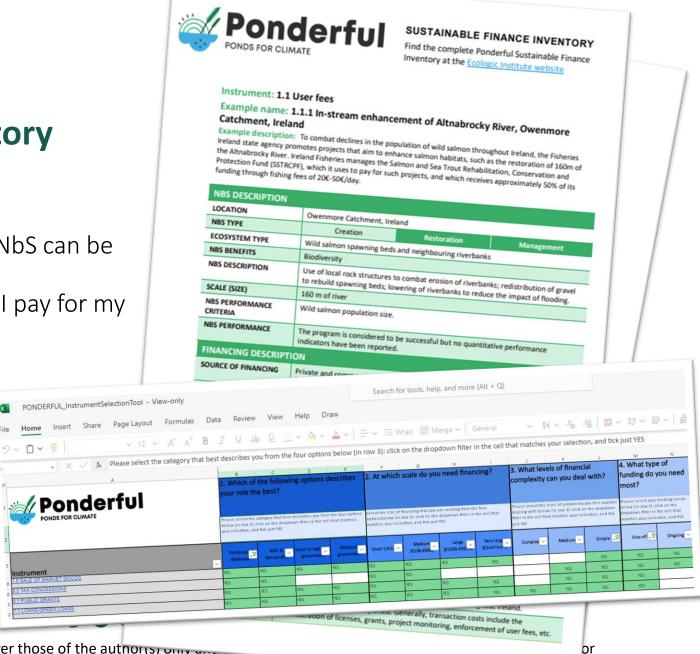


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## **Financing work in RESTORE4Cs**

- Further develop the NbS sustainable finance inventory with new/innovative instruments and examples:
  - Expand impact investing including the following: Business Angels, Accelerators / incubators, Venture Capital, Private equity.
  - Include a category "financing risk management" => blended finance, guarantees, insurance.





## **Financing work in RESTORE4Cs**

 Include more evidence through R4Cs case study work -> Template for gathering information

- 2 Wetland restoration actions
- 3 Societal Challenges (rationale/objectives behind restoration)
- 4 Stakeholder/expert opinion on the benefits of restoration Costs (only FINANCIAL COST incurred at the site for those relevant restoration actions and
- 5 associated measures)
- 6 Funding Sources
- 7 Financing Gap Assessment
- 8 Additional Instruments for Funding, Revenues, and Financing

#### $\sim\sim\sim\sim\sim$





Total upfront Total ongoing

- 1. How much do pondscapes cost?
- Range widely depending on context and project
- Predominantly one-off costs (average approx. 10:1 vs ongoing costs, with wide range)

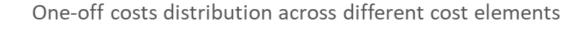
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	CH, Bois du Jussy	779,143 €	27,300 €
	BE, Gete Vallei	66,200 €	7,100 €
	BE, Pinkhakedon	66,200 €	30,100 €
	BE, Tommelen	3,100 €	600 €
	UY, rural ponds	13,750 €	2,200 €
	ES, La Albera	184,384 €	21,672 €
	ES, La Pletera	109,815 €	33,466 €
	DK, Fyn	144,899 €	3,812 €
	UK, Water Friendly Farming	2,900,000 €	115,200 €
	DE, Schöneiche	1,351,775 €	61,559 €
Averages	Mean	1,029,550 €	103,023 €
	Median	144,899 €	27,300 €

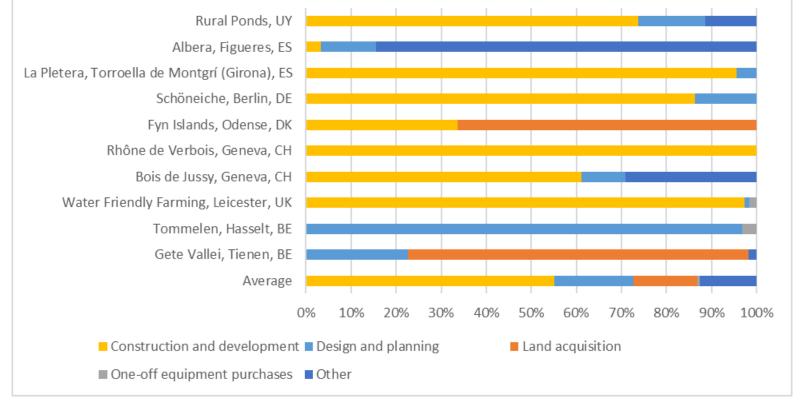






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- One-off costs predominantly construction and development











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- Range widely depending on context and project
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- One-off costs predominantly construction and development
- Ongoing costs predominantly maintenance, operational costs, and depreciation

Rural Ponds, UY Albera, Figueres, ES La Pletera, Torroella de Montgrí (Girona), ES Schöneiche, Berlin, DE Fyn Islands, Odense, DK Rhône de Verbois, Geneva, CH Bois de Jussy, Geneva, CH Water Friendly Farming, Leicester, UK Tommelen, Hasselt, BE Gete Vallei, Tienen, BE Average 100% ■ Maintenance, operational costs, and depreciation ■ Visitor and stakeholder managemnt ■ Monitoring ■ Other

Ongoing costs distribution across different cost elements







2. How are pondscapes currently paid for? And 3. What is the future role of private finance?

- Historically: Reliance on **grants**, with some charitable contributions
- Future: Grants and charity remain most popular, some potential for private financing in the form **income instruments**
- Overall: Limited potential for private finance, especially debt finance/equity

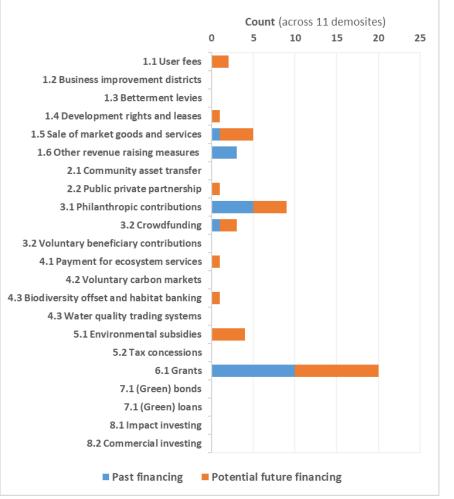


Figure: Financing pondscape NbS: past and potenial future financing instruments







#### Challenges

- Measuring costs and income: heteregeneity on accounting practices
- Long-term financial sustainablity: Issue with ongoing costs recovery

#### **Role for private finance?**

- NbS (pondscapes/wetlands) are primarily publicly funded
- Why? Generate primarily public goods, few tradeable goods and services -> generating limited revenue opportunities
- Potential opportunities for private finance: Creation of environmental markets +/or integrated landscape projects

#### **Overall conclusion**

- Private financing not a magical solution  $\mathfrak{S}$
- Decisive role for public policy and public funding



# Thank you! Manuel.lago@ecologic.eu

