**WorldFig** 

Bernadette Fregene

WorldFish

Technology from

## In-Pond Raceway Systems for Fish Farming

Revolutionize your fish farming with IPRS for maximum yields and sustainability.

The In-Pond Raceway System (IPRS) is an advanced aquaculture technology that maintains optimal water quality through continuous water flow and waste management, allowing for high-density fish farming.

now and waste management, allowing for high density non-namining.				ProPAS
This technology is <b>TAAT1 validated</b> .		Scaling readiness: idea maturity 7/9; level of use 7/9		Commodities
Gender assessment 84		Climate impact 87	Fish	
				Sustainable Development Goals
<ul> <li>Problem</li> <li>Traditional pond farming limits fish productivity per area, reducing profits.</li> <li>Inadequate waste removal causes pollution and harms fish health.</li> <li>Traditional methods demand extensive land and labour, raising costs.</li> <li>Inadequate water circulation and oxygen levels lead to inefficient feed conversion.</li> </ul>		<ul> <li>Solution</li> <li>The In-Pond Raceway System (IPRS) enables stocking densities of up to 150 kg per cubic meter.</li> <li>IPRS recreates the fish's natural environment, promoting faster growth and keeping them free from diseases and stress.</li> <li>Production of higher-quality fish in less water and often exceeding traditional pond production by 200 to 300%.</li> </ul>		2 WWW WY
				<ul> <li><u>All Male Tilapia Fingerlings</u> with Greater Yield and <u>Uniformity.&gt;</u></li> <li><u>Fast Growing and Hybrid</u> <u>African Catfish.&gt;</u></li> </ul>
0.5882 kg of fish 1.57 USD		<b>0.31</b> USD	∏IP	Tested/adopted in
for 1kg of feed	8-month total variable costs per kg	8-month total fixed costs per kg	Patent granted	Tested & adopted Adopted Tested Where it can be used This technology can be used in the colored agro-ecological zones.
				a Adopted a Tested Where it can be used





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