

CHALLENGES AND SOLUTIONS FOR CARP-DOMINANT POND AQUACULTURE IN HUNGARY TODAY

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Carp-dominated pond aquaculture in Hungary faces several challenges that impact productivity, sustainability, and economic viability. During our investigations, we identified the following types of challenges: i) Environmental, ii) Biological, iii) Economic, iv) Regulatory, v) Technological, vi) Social and Cultural, and vii) Competing Land Uses.

To address these challenges, a multi-faceted approach is necessary:

- **Integrated Water Management:** Implementing efficient water use practices and enhancing water quality management can mitigate environmental impacts.
- **Disease Prevention:** Developing comprehensive disease management plans, including biosecurity measures and vaccination programs.
- **Economic Diversification:** Exploring value-added products and alternative markets to stabilize income and reduce dependency on single revenue streams.
- **Policy Advocacy:** Engaging with policymakers to create supportive regulatory frameworks and access to subsidies or financial incentives.
- **Technology Integration:** Investing in technology and training to enhance productivity and sustainability.
- **Community Engagement:** Building awareness and acceptance of aquaculture through education and outreach programs.

By addressing these challenges through collaborative efforts involving farmers, researchers, policymakers, and industry stakeholders, the sustainability and profitability of carp-dominated pond aquaculture in Hungary can be significantly improved.

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