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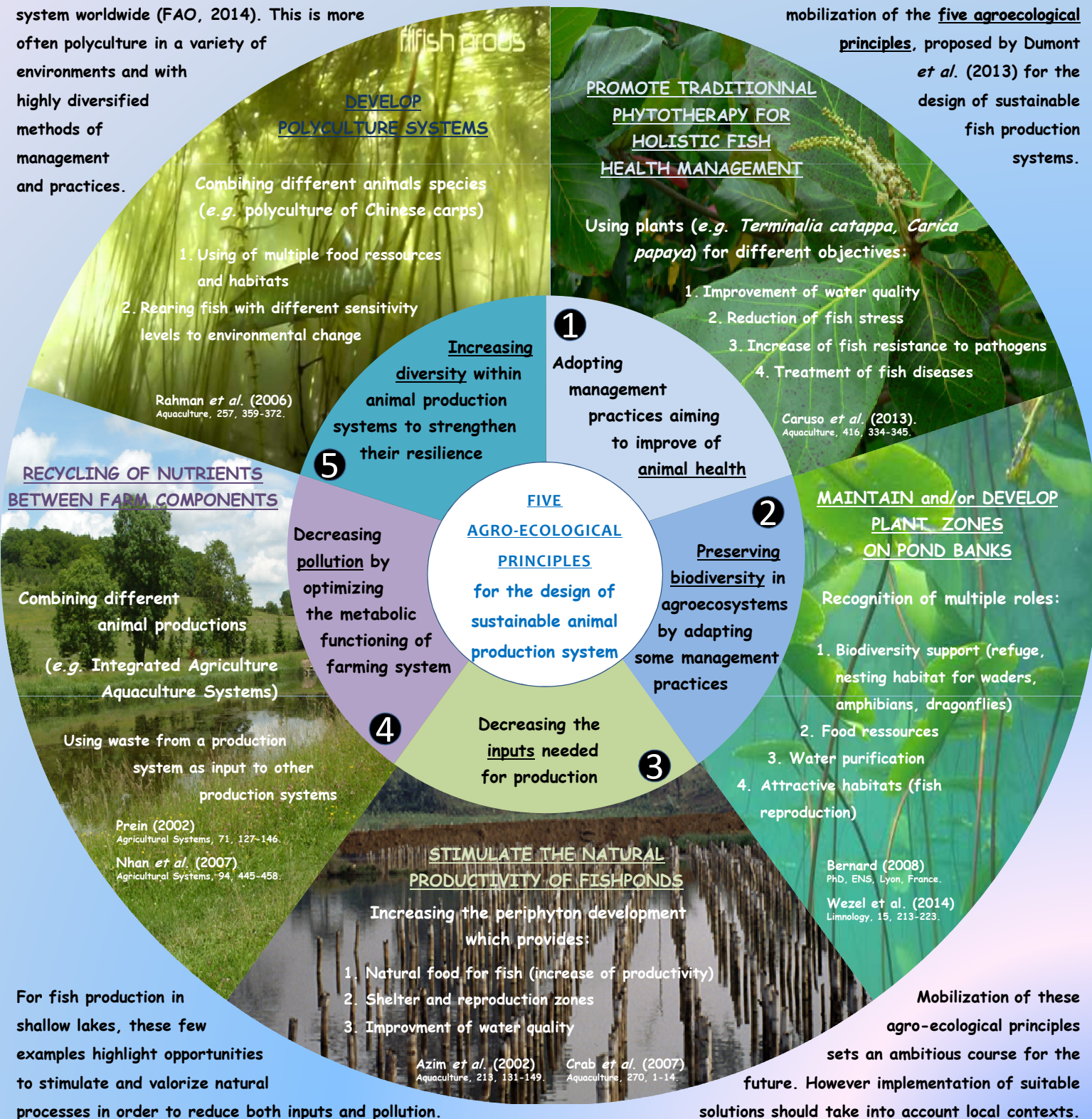
What are the potential routes for the development of ecology-based alternatives for fish production in shallow lakes?

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Fish farming in ponds is the most commonly used rearing system worldwide (FAO, 2014). This is more often polyculture in a variety of environments and with highly diversified methods of management and practices.

Different examples are given to illustrate the possible mobilization of the five agroecological principles, proposed by Dumont *et al.* (2013) for the design of sustainable fish production systems.



For fish production in shallow lakes, these few examples highlight opportunities to stimulate and valorize natural processes in order to reduce both inputs and pollution.

Mobilization of these agro-ecological principles sets an ambitious course for the future. However implementation of suitable solutions should take into account local contexts.