

Bachelorthema:

Global land use change for cultivating aquatic products

Kurze Aufgabenbeschreibung:

Global land use change is an essential issue in agriculture research. Aquaculture is currently one of the fastest growing food producing sectors that has the potential to meet the future food fish demand and ensure the food and nutrition security. Aquaculture demands not only scarce freshwater resources but also competes for land with other agricultural sectors. Several aquaculture activities require land as one of the most important inputs for production, such as pond rearing and coastal rafts, ropes and stakes' systems. Evidence has shown that increasingly agriculture lands and mangrove forests have been transformed for cultivating inland freshwater or coastal brackish water aquatic products such as shrimps, catfish and tilapia in the regions including China (Zhao et al., 2004), Mexico (Alonso-Pérez, Ruiz-Luna, Turner, Berlanga-Robles, & Mitchelson-Jacob, 2003), Bangladesh (Ali, 2006) and Vietnam (Béland, Goïta, Bonn, & Pham, 2006). However, the absence of statistical data regarding land directly used for producing aquatic products is a major difficulty for further research. The thesis will focus on the direct global land use change resulting from cultivating aquatic products including the collection of possible data sources worldwide and questions such as: What are the farmed species that demand most land? What is the impact of the expansion of aquaculture on the direct land use change worldwide? How can the competition for land as a resource affect other agricultural sectors globally?

Einstiegsliteratur:

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