

Naturland – Certification

- Accredited by IOAS, NOP/USDA, ISO

Naturland e.V. – Association for Organic Agriculture

(nonprofit organization)



- Develop standards
- Consumer information
- Projects
- Policies (e.g., EU, USDA/NOP)
- Logo owner

Control
Agency

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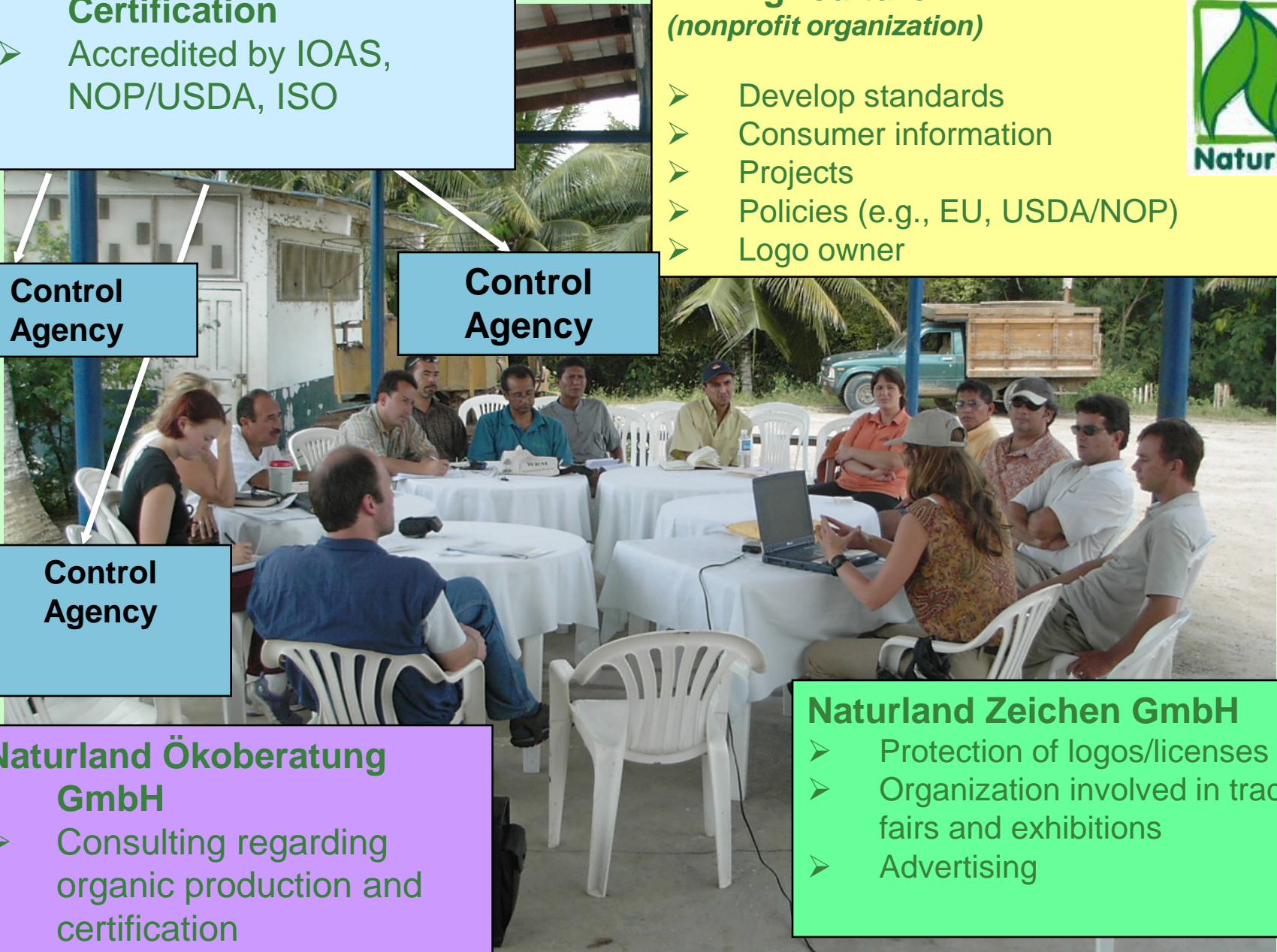
Control
Agency

Naturland Ökoberatung GmbH

- Consulting regarding organic production and certification

Naturland Zeichen GmbH

- Protection of logos/licenses
- Organization involved in trade fairs and exhibitions
- Advertising





Naturland International

217 Members

49,000 Producers

163.000 hectares

in over 30 countries



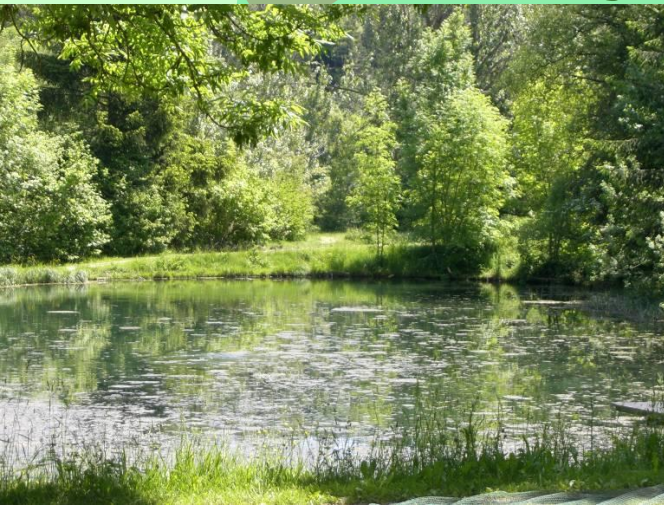
Organic Aquaculture

Naturland is important for **sustainable** production:

Socially Sustainable

Economically Sustainable

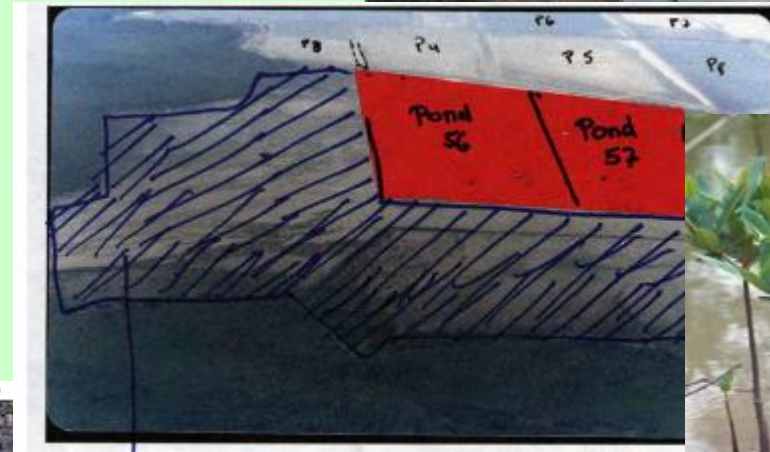
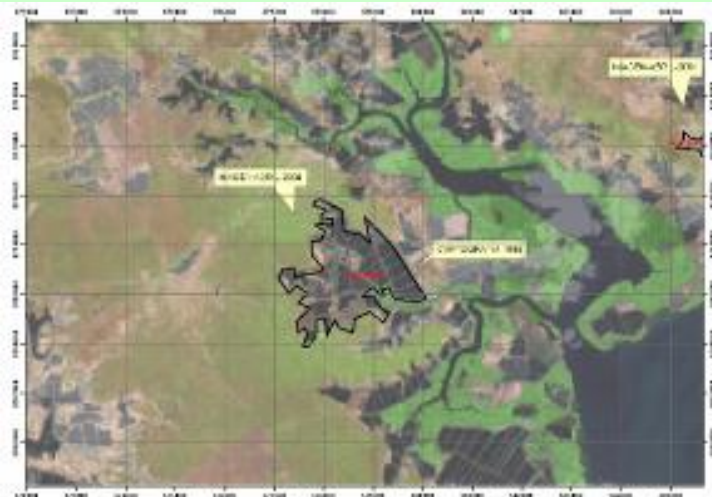
Ecologically Sustainable





Principles of Organic Aquaculture

Mangrove protection and reforestation





Types & locations of reforestation

Natural reforestation

OK!!

Both natural and manual

OK!



Manual reforestation

OK!!

In areas (ponds or reservoirs)

OK!!





Types & locations of reforestation

In lines (drainage channels or marshes, with a width to be defined by Naturland)

OK!!



Along dikes or on the edge of ponds

NO!!





Final reforestation results



SHRIMP FARM	Original Mangrove Area (ha)	Desired Reforestation Area (ha)	Actual Reforestation Area (ha)	Reforestation achieved following Naturland Standards (%)	Reforestation still to be achieved (ha)
21 SHRIMP FARMS TOTAL	614.5	307.24	279.13	90.84%	28.11



Principles of Organic Aquaculture

Social Aspects

Working conditions (in addition to processing standards) must meet Naturland standards

Shrimp farms must ensure that traditional fishermen (fish, shellfish, crab) have open access to their work area.



Protection from theft



Camp



Processing