

BRAZIL: A NEW SUPER POWER IN AQUACULTURE

SUSAQUA PROJECT

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Brazilian Plan For Aquaculture Development 2015/2020

Methodology:

- **CONAPE/ National Council of Aquaculture and Fisheries**
- **Meetings with Private Sector (Working Group)**
- **Sectorial Dyagnosis for each State (27)**
- **Investments in Supply Chain – Aquícola Industrial District (DIA)**

Brazilian Plan For Aquaculture Development 2015/2020

Goals:

- ❖ **To Improve Brazilian Aquaculture Production to 2 millions tons in 2020**

Year	Production (Thousand tons)	Improvement (%)
2013	476*	0
2014	595	25
2015	743	25
2016	929	25
2017	1.162	25
2018	1.394	20
2019	1.673	20
2020	2.000	20

Source: IBGE, 2014.

The other data are projections done from the 27 brazilian states

Brazilian Plan For Aquaculture Development 2015/2020

Goals for Organisms until 2020:

- ✓ **AQUACULTURE:** from 476,00.000 to 2.000.000 tons
- ✓ **Fish:** from 393,00.000 to 1.750.000 tons
- ✓ **Shrimp:** from 65,000 to 200.000 tons
- ✓ **Mussel:** from 16,000 to 40.000 tons
- ✓ **Oyster:** from 2,000 to 10.000 tons

Brazilian Plan For Aquaculture Development 2015/2020

Brazilian Aquaculture per Region



Brazilian Plan For Aquaculture Development 2015/2020

Programm of Developing Aquaculture in Federal Waters (Federal Concessions)

- To give new federal concessions to aquaculture areas with a carrying capacity of 1,320,000 tons per year.
 - To elaborate mechanisms to make the Management of Aquícolas parks and to build a national networking which will be responsible for environmental Monitoring.
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- Fish culture: 1,290,000 tons
 - Mussel culture: 20,000 tons
 - Oyster culture: 10,000 tons

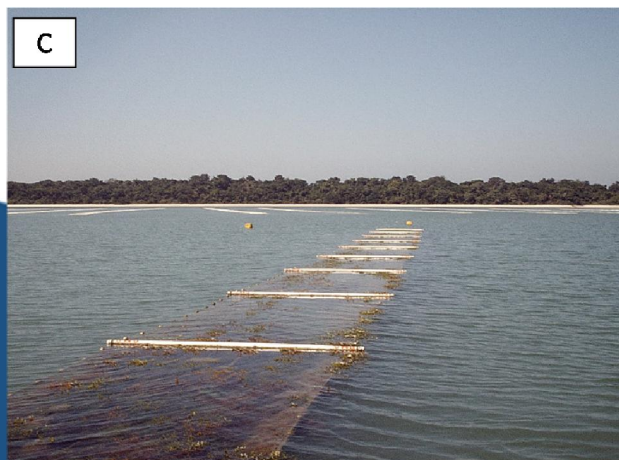
➤ ***Brazilian Plan For Aquaculture Development 2015/2020***

Program of Developing Aquaculture in Federal Waters (Fresh Water)



Brazilian Plan For Aquaculture Development 2015/2020

Programm of Developing Aquaculture in Federal Waters (Marine Water)



Brazilian Plan For Aquaculture Development 2015/2020

Programm of Developing Fishculture in tanks and/ or in ponds

- **To build 3.000 hectares of new areas in tanks and/or ponds for fishculture**
- **Capacity to produce 60 thousand tons per year.**

- **Middle-West: 750 hectares = 15 mil tons/ year**
- **North: 750 hectares = 15 mil tons/ year**
- **South: 500 hectares = 10 mil tons/ year**
- **Northeast: 500 hectares = 10 mil tons/ year**
- **Southeast: 500 hectares = 10 mil tons/ year**

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Program of Developing Fishculture in tanks
and/ or in ponds



Brazilian Plan For Aquaculture Development 2015/2020

Programme of Developing Shrimp Culture

- To promote the improvement of new areas for shrimpculture in rural areas.
- To support supply chain strategies for an integrated and sustainable developing of shrimp culture.
- Capacity to improve the production in 135 mil tons of shrimp per year.
 - Northeast Region: 30,000 ha = 125.000 tons/ year
 - North Region: 3,000 ha = 10.000 tons/ year

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Program of Developing Shrimp Culture



Brazilian Plan For Aquaculture Development 2015/2020

National Programm for Technical Assistance in Aquaculture

- **To give Technical Assistance to 50,000 producers.**

- **North Region: 5.000 producers**

- **NorthEast Region: 15.000 producers**

- **Middle-West Region: 5.000 producers**

- **SouthEast Region : 10.000 producers**

- **South Region: 15.000 producers**

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Program of Developing Aquaculture in Amazonian Region and in Semi-Arid Area

- **Implantar 40 Demonstrative Aquaculture Projects**
 - **Amazonian Region (North Region)**

 - **Semi-Arid Region (NorthEast Region):**

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Programm of Developing Aquaculture New Technologies

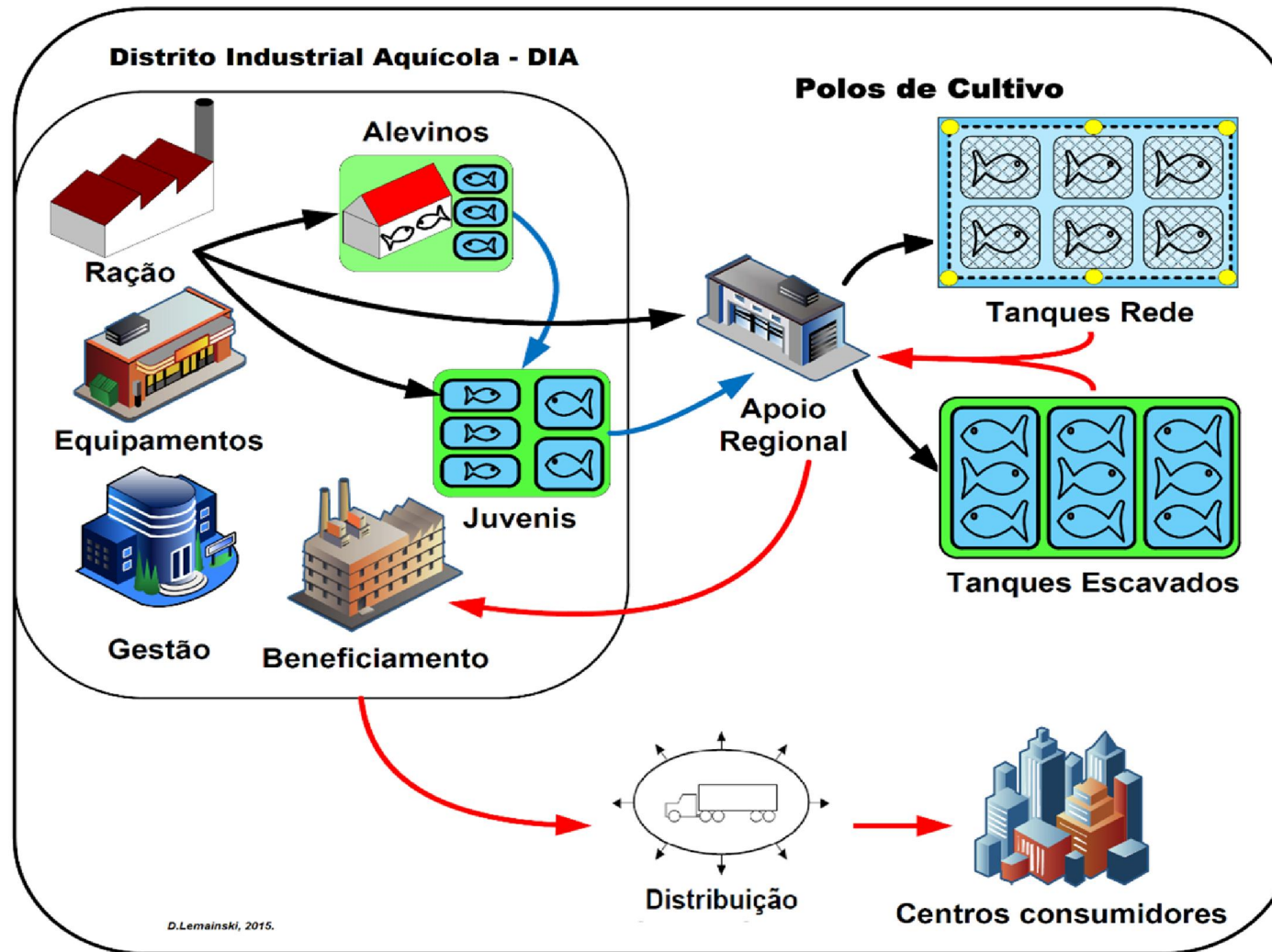
- To install 20 Demonstrative Unities (UDs) using new technologies with small amount of water (reuse), bioflocs and with alternative energy sources
- To install 20 Demonstrative Unities (UDs) for algae culture (micro and macroalgae), ornamental fishculture, aquapony, etc; in different regions around the country; which will work as a training center.

Brazilian Plan For Aquaculture Development 2015/2020

Programa de Desenvolvimento dos Distritos Industriais Aquícolas – DIA

- **To Support the implementation of 5 DIA's in the period of 2015/ 2020**
- **DIA Itaipu (Paraná): Tilapias (*Oreochromis niloticus*)**
- **DIA Tucuruí (Pará): Tambaquis (*Colossoma macropomum*)**
- **DIA Serra da Mesa/Cana Brava (Goiás): Tilapias (*Oreochromis niloticus*)**
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- **DIA Shrimpculture (Ceará): Shrimp (*Litopenaeus vanammei*)**
- **DIA Malacocultura (Santa Catarina): Mussel (*Perna perna*) and Oyster (*Crassostrea gigas*)**

Brazilian Plan For Aquaculture Development 2015/2020 (DIA)



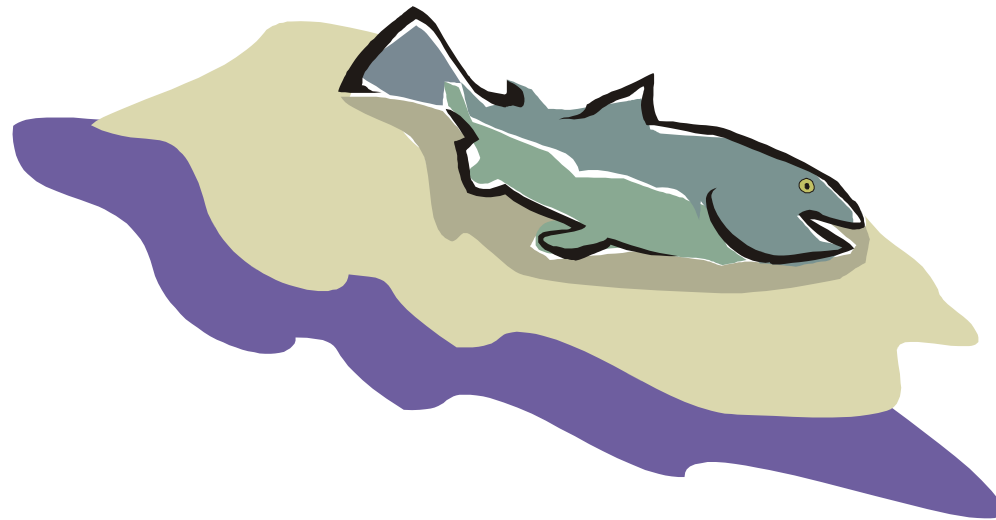
Brazilian Plan For Aquaculture Development 2015/2020

Programm	Budget 2015/2020 (US\$)
Programm of Developing Aquaculture in Federal Waters	40 millions
Programm of Developing Fishculture in Tanks and/or Ponds	40 millions
Programm of Developing Shrimpculture	50 milions
Programm of Aquaculture Technical Assistance	25 millions
Programm of Developing Aquaculture in Amazonian Region and Semi-arid Area	2,5 millions
Programm of Developing Aquaculture New Technologies	2,5 millions
Programm of Developing Aquícolas Industrial Districts (DIA's)	Plano Safra / US\$ 700 millions Credit Lines for Private Sector
Plan for Brazilian Aquaculture Development 2015/ 2020	US\$ 160 millions

Return of the capital:

- ❖ **Government offering US\$ 160 million in the period 2015/2020:**
- ❖ **1,5 millions tons in aquaculture production improvement**
- ❖ **Which means US\$ 2,5 Billion!**
 - **A return of 16 times!**

The Sustainable Aquaculture



**Matias (2001):
New Revolutions must be
preceded by strong
evaluation of all
dimensions of
sustainability, not only by
environmental, but also
social and economic.**

Social

Environmental

Economic

Thank you for your attention!

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