

SCALLOPS
CHILE





CHILEAN SCALLOP CULTURES TOOK THE FIRST STEPS TOWARD SOCIAL RESPONSIBILITY BUSINESS

Puerto Montt, Marzo, 2006

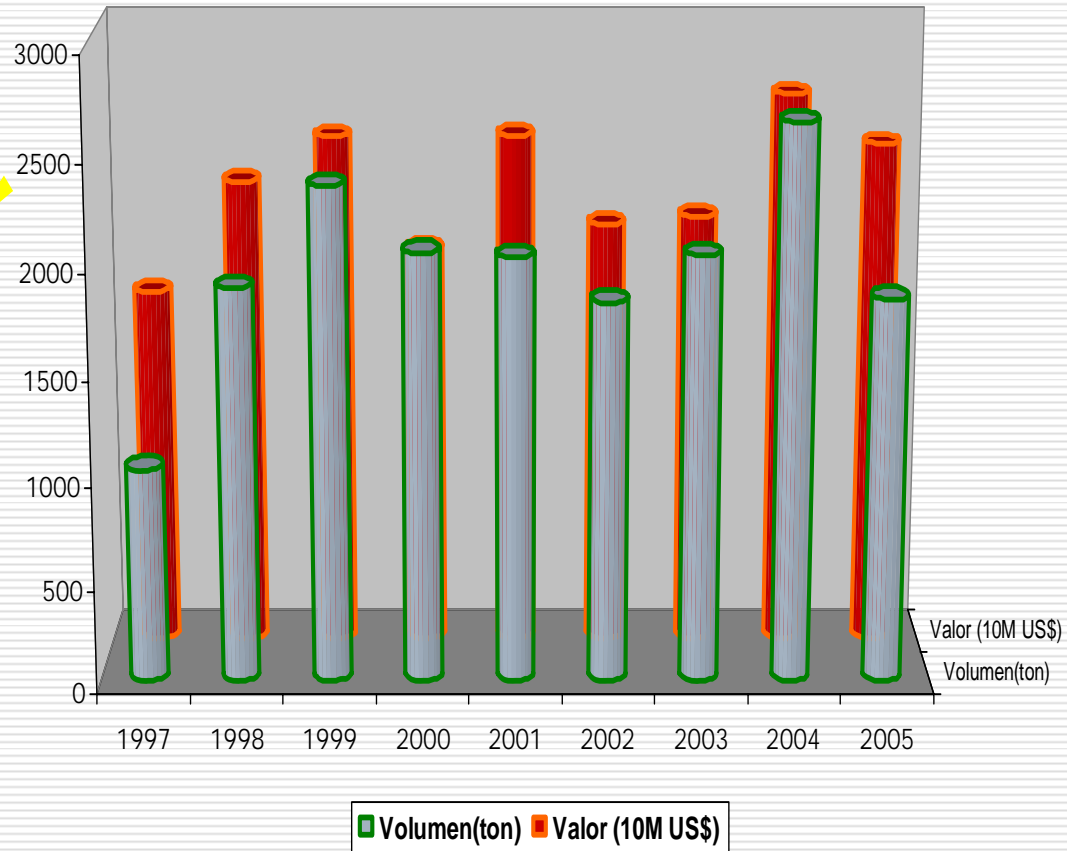


SCALLOP CULTURE ADVANTAGES

- Extensive Culture: Scallop is a filtering shellfish, therefore there is no need for exogenous feeding.
 - Native species: *Argopecten purpuratus* can be found in the SouthPacific coast from Panama to Chile.
 - Species not copper resistant: Even authorized chemical antifouling can not be used .
 - High-risk diseases free: Scallops do not host any known patogens.
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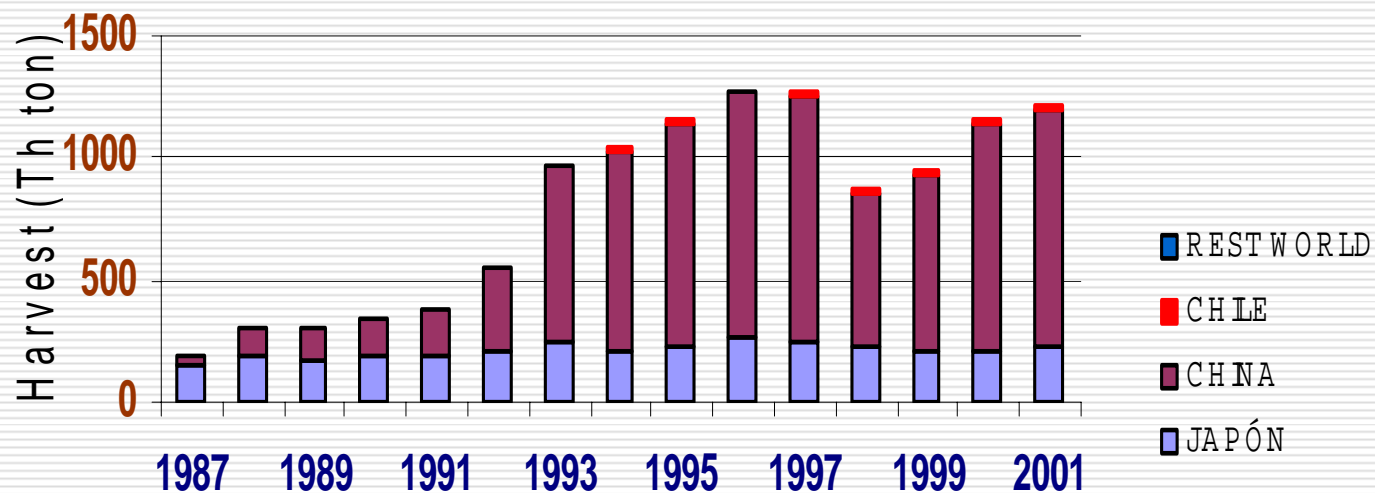


CHILEAN SCALLOP EXPORTS





YEARLY WORLD CULTURED SCALLOP PRODUCTION BY MAJOR PRODUCING COUNTRIES



CHILE 3rd World Place



PRINCIPAL DEVELOPMENT FACTORS TO BE ADDRESSED

The principal aspects in aquaculture development in the north of Chile to be addressed are:

- **Diversification:** Few marines especies are cultured actually.
- **Applied Research.** Fishery research must be focused in aquaculture.
- **Coastline Management:** Aquaculture is not yet considered as an important part of seaside areas development.
- **Regulation:** Regulations must be reviewed to change or increase Appropriate Aquaculture Areas and to optimize emission rules.
- **Sustainability & Environment Preservation:** aquaculture impacts must be reduced using Clean Production Technologies.



CLEAN PRODUCTION AGREEMENT

- ❑ A Public-private agreement (II ; III and IV Regions)
- ❑ 23 scallop culture companies are participating since January -2003
- ❑ 82 different commitments agreed on.
- ❑ Total length : 36 months
- ❑ Final : June 2006

GENERAL OBJECTIVES

- ❑ To advance in an increase of productivity efficiency process to prevent source pollution, to regulate solid and liquid residue treatment and their final disposal, both in marine farms and processing plants. This also includes the control of smells, vectors and noises.
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CLEAN PRODUCTION AGREEMENT GOALS

1/6



1. Noises reduction in all process



2. Liquid residues treatment implementation.

CPA GOALS

2/6



3. Smell and vectors reduction



4. To assure appropriate solid residue management, improve collection and final disposal in authorized sites.

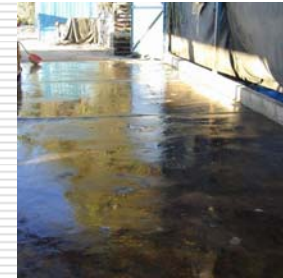


CPA GOALS

3/6



6.To adopt cleaning measures on rafts and operation centers.





CPA GOALS

4/6



7.To keep appropriate sanitary and environmental conditions in trucks and ships.



CPA GOALS

5/6



8. Implementation of weekly cleaning procedures in all beaches near growout farms, since 2000.

From CPA many improvement have been put in use, in the B^aI, B^aG and B^aT



CPA GOALS

6/6

9. To improve and identify new uses for culture and processing plant solid residues and wastes (fouling, shells, scallop remains).

■ A Research Project FONTEC-CORFO: 2004-2005

(Dehydrated products, soup flavours, freeze-drieds, pet food, etc...)





ENVIROMENTAL AND SANITARY CONDITIONS



Exceptional
Seawater Quality



Processing Plants
HACCP Approved

Certification Program for Export Products: All bays are approved by both FDA and EC- since 2000.



COMPETENT WORKERS

- Aquaculture TECHNICAL COMPETENCIES lifting (scallops, abalon and algae)
- Technical Competency Standards Dossier publication.
- Aquaculture Technician Course based on competencies created.
- Schooling levelling.
- Teaching to use a computer.
- Technical competencies training.





STAKEHOLDERS or COMMUNITY HELP



Scholarships; unemployed person training; worker´s kids training; under construction help; Saint Peter celebration; local sport team support; donations; etc...



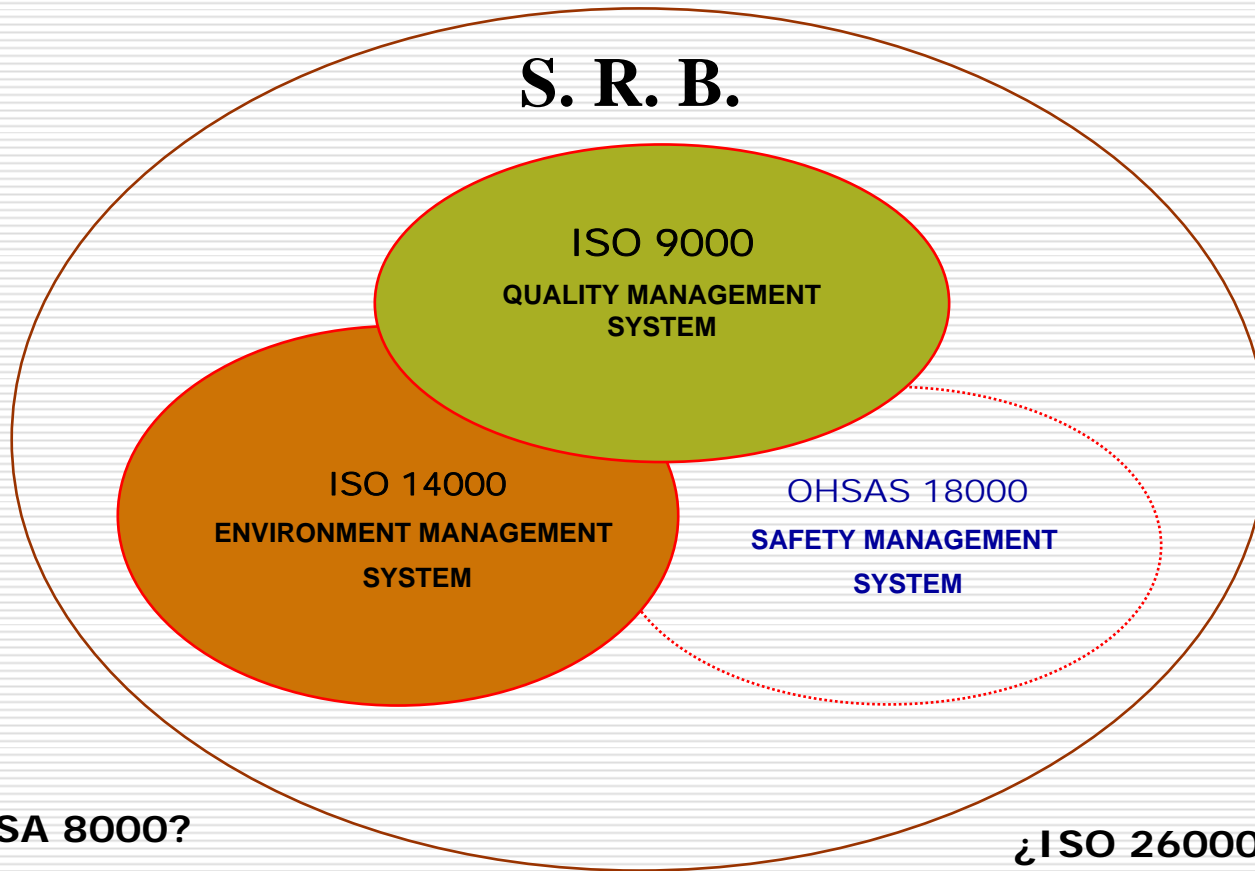
TONGOY - CASH MACHINE



- Safety and best quality of life
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INTERNATIONAL STANDARDS





THE END

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