



HCLME

Recent progress in fisheries certification in the Humboldt Current LME

Author: Michael J. Akester

Institution: HCLME Regional Project Coordinator

Session 6-Blue growth and socio-economics aspects
1st October 2015



HCLME Socio-Economic aspects and fisheries certification

1. LME Total Economic Value (TEV) calculation and the fisheries component in terms of value (in Peru 15% of TEV = USD3 billion/yr)
2. Fisheries management, MCS and current problems
3. Fisheries certification options
4. Why the Marine Stewardship Council (MSC) certification has been chosen by Chile and Peru
<https://www.msc.org/business-support/key-facts-about-msc>
5. 265 (12 in Latin America) MSC Certified fisheries catch 9 million metric tonnes of seafood. Close to 10% of the total wild capture harvest

MSC Programme



1
Sustainable fish
stocks



2
Minimising
environmental
impact

3
Effective
management

1. The certified fishery must operate so that fishing can continue indefinitely with no overexploitation.
2. Fishing is managed to maintain the productivity, function and diversity of the ecosystem on which the fishery depends.
3. The fishery must meet all local, national and international laws with a management system to respond to changing circumstances and maintain sustainability.



MSC certification process

- **Pre-Assessment)** Voluntary - Confidential - Describes the fishery - Probability of success - Obstacles for certification - Displays the costs of a full evaluation
- **Full-Assessment:** Conducted by experts - public process, with consultation – Evaluation using a protocol and scoring mechanism – Peer Review with results made public
- Annual Audits
- **If the Fishery is certified:**
 - The certification is valid for 5-years
 - The MSC logo can be used on all products

MSC certified & full assessment fisheries Latin-America

Certified

- ▶ Argentine anchovy
- ▶ Argentine hoki
- ▶ Chilean Juan Fernandez rock lobster
- ▶ Mexico Baja California red rock lobster
- ▶ Chilean mussel fishery & suspended culture
- ▶ Patagonian scallop (Argentina)

Full Assessment

- ▶ Chile squat lobster & nylon shrimp modified trawl (x3)
- ▶ Nicoya Peninsula artisanal snapper (Costa Rica)
- ▶ Northeastern Tropical Pacific purse seine yellowfin & skipjack tuna (x2) (Mexico)

Candidates in Peru

- ▶ Scallop, Dorado and Anchovy

Economic Valuation HCLME Goods and Services

USD19.5 billion / year: 15% from Peruvian fisheries

Servicios ecosistémicos		Perú			Chile					Total: Perú	Total: Chile	Total: GEMCH	Total: Corriente de Humboldt		
		Zona Tropical	Zona Norte-Centro	Zona Sur	Norte Grande	Norte Chico	Zona Centro	Zona Sur	Zona Austral						
Categoría	Sub-categoría														
Provisión	(P1) Provisión de alimentos	(P1-1) Pesca	187	673	68	23	45	210	102	88	928	468	1396	1121	
		(P1-2) Acuicultura	44	47	0	0	15	1	2264	2357	91	4637	4728	2327	
	(P2) Provisión de bienes no-alimenticios	(P2-1) Harina y aceite de pescado		0	1674	262	109	19	54	9	190	1936	381	2317	2127
		(P2-2) Recursos minerales no-metálicos										0	0	0	0
		(P2-3) Guano		0	8	2						10	0	10	10
	(P3) Provisión de recursos genéticos	NA									0	0	0	0	
	(P4) Provisión de recursos marinos vivos para fines farmacéuticos, químicos y biotecnológicos	(P4-1) Algas pardas	0	0	16	38	115	21	2	185	16	361	377	192	
	(P5) Provisión de recursos ornamentales	NA									0	0	0	0	
(P6) Provisión de energía	(P6-1) Hidrocarburos	128	493	0						621	0	621	493		
	(P6-2) Energía eólica	0	36	47		155				83	155	238	238		
(P7) Provisión de espacios y vías marinas	(P7-1) Tránsito marítimo	0	382	49			745			431	745	1176	1176		
(P8) Provisión de agua de mar con fines industriales	(P8-1) Agua de mar				0					0	0	0	0		
Culturales	(C1) Servicios de recreación	(C1-1) Turismo de naturaleza	0	44	0	494	26	336	289	259	44	1404	1448	1189	
		(C1-2) Turismo arqueológico	0	48	34						82	0	82	82	
		(C1-3) Turismo de sol y playa	13	24							37	0	37	24	
		(C1-4) Pesca deportiva									0	0	0	0	
		(C1-5) Deportes acuáticos									0	0	0	0	
	(C2) Valor estético y paisaje	NA									0	0	0	0	
(C3) Contribución a la ciencia y educación	(C3-1) Investigación científica	1	24	4			28			29	28	57	56		
(C4) Herencia cultural	NA									0	0	0	0		
(C5) Inspiración para las artes y la publicidad	NA									0	0	0	0		
(C6) Legado del mar	(C6-1) Legado del mar	75	2241	672	160	239	319	160	958	2988	1836	4824	3791		
Regulación	(R1) Regulación atmosférica y climática	(R1-1) Regulación del clima		418				723			418	723	1141	1141	
	(R2) Retención del sedimento	NA								0	0	0	0		
	(R3) Mitigación de la eutrofización	NA								0	0	0	0		
	(R4) Regulación biológica	(R4-4) Regulación biológica		315				545			315	545	860	860	
	(R5) Regulación de sustancias peligrosas	(R5-1) Tratamiento de desechos contaminantes	3	133	12						147	0	147	145	
Total: Servicios de Provisión			359	3313	443	170	349	1031	2377	2820	4115	6747	10863	7683	
Total: Servicios Culturales			89	2380	711	654	265	683	449	1217	3180	3268	6448	5141	
Total: Servicios de Regulación			3	866	12	0	0	1268	0	0	880	1268	2148	2146	
Total: General			451	6559	1165	824	614	2982	2826	4037	8175	11283	19459	14970	



Costs

- Pre-evaluation: US\$ 10,000 to > US\$20,000
- Full-assessment: < US\$25,000 to > US\$200,000
- Annual audit: (15-25% of the full assessment cost)
- Chain of custody certification: Varies on the complexity of the custody chain < US\$1,000 a > US\$10,000
- Use of logo costs
(Annual fee + Royalty: Sales up to US\$200,000 = US\$250; US\$201,000-500,000 = US\$1,000 and >US\$500,000 = USD2,000]) Royalty charges @ 0.5% on the net wholesale value of MSC labelled seafood sales

