

NORTH WESTERN WATERS REGIONAL ADVISORY COUNCIL
CONSEJO CONSULTIVO REGIONAL PARA LAS AGUAS
NOROCCIDENTALES

SOCIO-ECONOMIC ASPECTS OF FISHERIES MANAGEMENT
ASPECTOS SOCIOECONOMICOS DE LA GESTION PESQUERA

28th October 2010, Dublin Castle
28 de Octubre de 2010, Castillo de Dublín



Presenter / Presentador:

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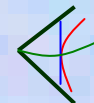
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WORK OF THE STECF. EL TRABAJO DEL CCTEP

- ✚ **Quota Advice.** RECOMENDACIONES SOBRE CUOTAS.
- ✚ **Effort Control Advice.** RECOMENDACIONES SOBRE ESFUERZO PESQUERO
- ✚ **Technical Conservation Measures.**
MEDIDAS TÉCNICAS DE CONSERVACIÓN DE LOS RECURSOS PESQUEROS



WORK OF THE STECF. EL TRABAJO DEL CCTEP

Considerations. Consideraciones

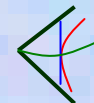
Long Term A largo plazo.

- **Condition of Stocks.** Situación de los Stocks
- **Future of the Fishery.** Futuro de las pesquerías.
- **Eco-System, Flora and Fauna.**

Ecosistema, flora y fauna.

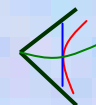
Immediate A muy corto plazo.

- **Impact on Fleet Earnings.** Impacto en las ganancias de la flota.
- **Impact on Employment.** Impacto en el empleo.



Costs & Earnings	€	%
Total Earnings. Ingresos totales.		
Commission. Comisiones.		
Harbour Dues. Tarifas portuarias.		
Subscriptions & Levies Subscripciones y gravámenes.		
Shore labour. Trabajo en tierra.		
Fuel & Oil. Combustible.		
Boxes. Cajas.		
Ice. Hielo.		
Crew Travel. Viajes de la tripulación.		
Food & Stores. Alimentos.		
Other Expenses. Otros gastos.		
Crew Share. Parte de la tripulación.		
Total Fishing Expenses. Total Gastos		
Insurance. Seguro		
Repairs. Reparaciones.		
Gear. Equipo; maquinaria, redes.		
Hire & Maintenance. Alquiler y mantenimiento.		
Other Vessel Owner Expenses Otros.		
Total Vessel Owner Expenses Total.		
Total Expenses. Total Gastos.		
Net Profit. Beneficios netos.		

MEASURING THE SOCIO-ECONOMIC IMPACT EVALUACIÓN DEL IMPACTO SOCIO-ECONOMICO



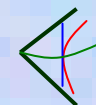
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MEASURING THE SOCIO-ECONOMIC IMPACT
EVALUACIÓN DEL IMPACTO SOCIO-ECONOMICO

		Purchaser.					
		Agriculture	Industry	Services		Final Use	Total Use
Producer	Agriculture	11	19	1		10	41
	Industry	5	89	40		106	240
	Services	5	37	37		106	185
	Primary Inputs	20	95	107		21	243
	Total Outputs	41	240	185		243	709

INPUT-OUTPUT ANALYSIS

ANÁLISIS INPUT-OUTPUT



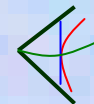
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Multiplier Effects. Efectos Multiplicadores.

- Direct Effects. Efectos directos.

- Indirect Effects. Efectos indirectos.
 - Demand Driven – Upstream
Demanda incrementada
 - Supply Driven – Downstream
Oferta reducida

- Induced Effects. Efectos inducidos



MEASURING THE SOCIO-ECONOMIC IMPACT EVALUACIÓN DEL IMPACTO SOCIO-ECONOMICO

University of Lincoln Consolidated Transactions Matrix

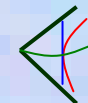
Modelo de Transacciones Consolidado de la Universidad de Lincoln.

£m (miles de libras esterlinas)	2007	Purchaser Comprador			Total Intermediate Demand Demanda Intermedia Total	Misc Final Demand Demanda Final	Exports Exportaciones	Total Output Total
		University Universidad	Other Otros	House-holds Hogares				
Producer Productor	University Universidad	0	50	10	60	0	2	61
	Other Otros	26	1,050,611	732,521	1,783,158	1,211,502	298,644	3,293,304
	Labour Empleo	36	648,964	0	649,000	549,562	0	1,198,562
	Total Primary Inputs	61	1,699,625	732,531	2,432,218	1,761,064	298,646	4,491,928
	Imports Importaciones	0	1,198,231	0	1,198,231			
	Indirect Taxes & Profits Impuestos indirectos	0	395,448	466,031	861,479			
	Total Inputs	61	3,293,304	1,198,562	4,491,928			

£	Average Salary Salario medio	34,008	22,844		
Nos N°	No Employed N° Empleados	1,044	28,407,956		28,409,000

INPUT-OUTPUT ANALYSIS

Análisis Input-Output



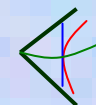
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MEASURING THE SOCIO-ECONOMIC IMPACT
EVALUACIÓN DEL IMPACTO SOCIO-ECONOMICO

University of Lincoln. Universidad de Lincoln.

		Total	Demand-Driven	Supply-Driven
TYPE I	Output	2.81	1.62	2.19
	Income - Ingresos	1.62	1.21	1.41
	Employment - Empleo	1.92	1.32	1.60
TYPE II	Output	3.98	2.38	2.60
	Income - Ingresos	2.02	1.47	1.55
	Employment - Empleo	2.51	1.70	1.81

INPUT-OUTPUT ANALYSIS



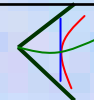
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MEASURING THE SOCIO-ECONOMIC IMPACT EVALUACIÓN DEL IMPACTO SOCIO-ECONOMICO

Denmark (*Truncated Matrix*). Dinamarca (*Modelo Truncado*)

1999 mDKr	HC Fishing HC Pesca	HC Processing HC Procesamiento	Reduction Fishing Pesca para reducción	Reduction Processing Procesamiento de reducción.	Other Otros	Households Hogares	Total Intermediate Demand Total demanda intermedia
HC Fishing. HC Pesca	0	2,382	0	61	0	0	2,443
HC Processing	0	0	0	0	2,505	0	2,505
Reduction Fishing	0	0	0	658	0	0	658
Reduction Processing	0	0	0	225	100	0	325
Other . Otros	1,235	4,079	445	553	560,435	560,435	1,127,182
Households. Hogares	890	1,242	121	146	507,542	0	509,941
Total Primary Inputs	2,125	7,703	566	1,643	1,070,582	560,435	1,643,054
Imports. Importaciones	0	9,430	0	895	293,700	0	304,025
Indirect Taxes & Profits Impuestos indirectos	554	177	200	28	158,000	0	158,959
Total Inputs.	2,679	17,310	766	2,566	1,522,282	560,435	2,106,038
Average Salary € Salario medio	312,830	222,860	267,699	337,182	245,829	0	
No Employed. Nº Trabajadores	2,845	5,573	452	433	2,064,617	2,073,920	

INPUT-OUTPUT ANALYSIS



ERINSHORE ECONOMICS

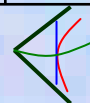
MEASURING THE SOCIO-ECONOMIC IMPACT
EVALUACIÓN DEL IMPACTO SOCIO-ECONOMICO

Denmark. Dinamarca.

Type II Downstream Supply-Driven	Fishing for Human Consumption <i>Pesca para consumo humano</i>	Processing for Human Consumption <i>Procesado para consumo humano</i>	Fishing for Reduction <i>Pesca para reducción</i>	Reduction Processing <i>Reducción en el procesado</i>	Other <i>Otros</i>
Output	2.35	1.49	2.07	1.24	3.38
Income	1.63	3.26	1.60	1.94	3.37
Employment	1.83	3.05	1.55	2.25	3.37

€m	Ireland 2009 Irlanda 2009	Purchaser Comprador						
		Fishing Pesca	Other Otros	Households Hogares	Total Intermediate Demand Total Demanda intermedia	Misc Final Demand Demanda Final	Exports Exportaciones	Total Output
Producer Productor	Fishing Pesca	0	187	0	187	0	49	236
	Other Otros	112	109,369	84,331	193,812	50,165	144,782	388,759
	Labour Trabajo	71	58,595	0	58,666	25,701	0	84,367
	Total Primary Inputs	183	168,151	84,331	252,665	75,866	144,831	473,362
	Imports Importaciones	29	120,333	18	120,380			
	Indirect Taxes & Profits Impuestos indirectos	24	100,275	18	100,317			
	Total Inputs Total Inputs	236	388,759	84,367	473,362			

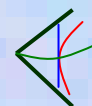
£	Average Salary Salario medio	18,024	36,758		36,712
nos números	No Employed Nº de trabajadores	3,928	1,594,072		1,598,000



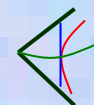
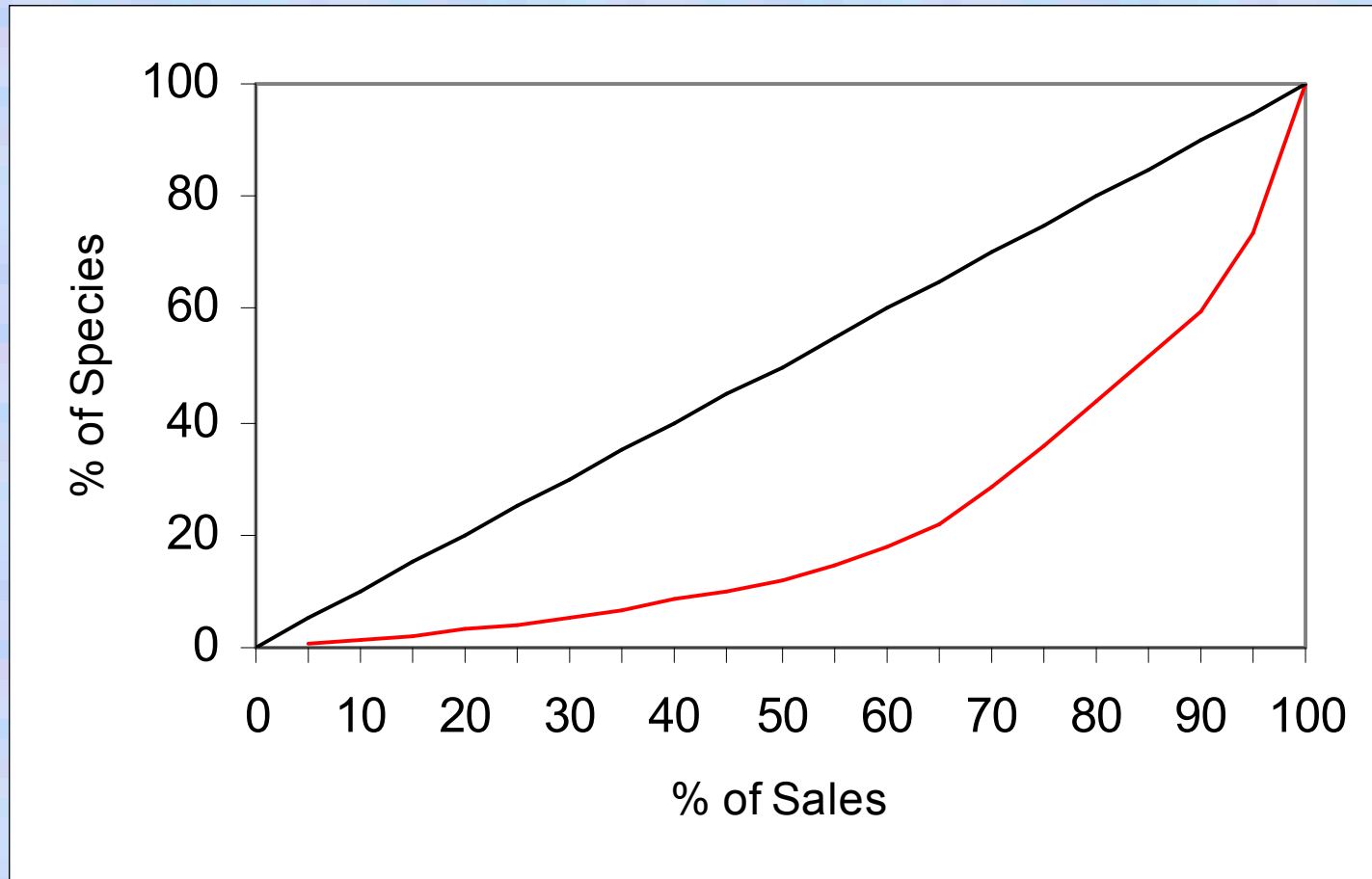
Multipliers for the Irish Fishing Industry.

Los Multiplicadores de la industria pesquera irlandesa.

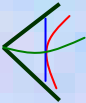
		Fishing. Pesca.		
		Total	Demand-Driven	Supply-Driven
TYPE I	Output	2.76	1.66	2.10
	Income.	1.89	1.33	1.55
	Employment	1.44	1.16	1.27
TYPE II	Output	3.76	2.36	2.40
	Income	2.39	1.69	1.70
	Employment	1.68	1.34	1.34



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EI COEFICIENTE DE RODGERS-BERTRAM.



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