Reporting on the Impacts of Response Measures: Data Challenges

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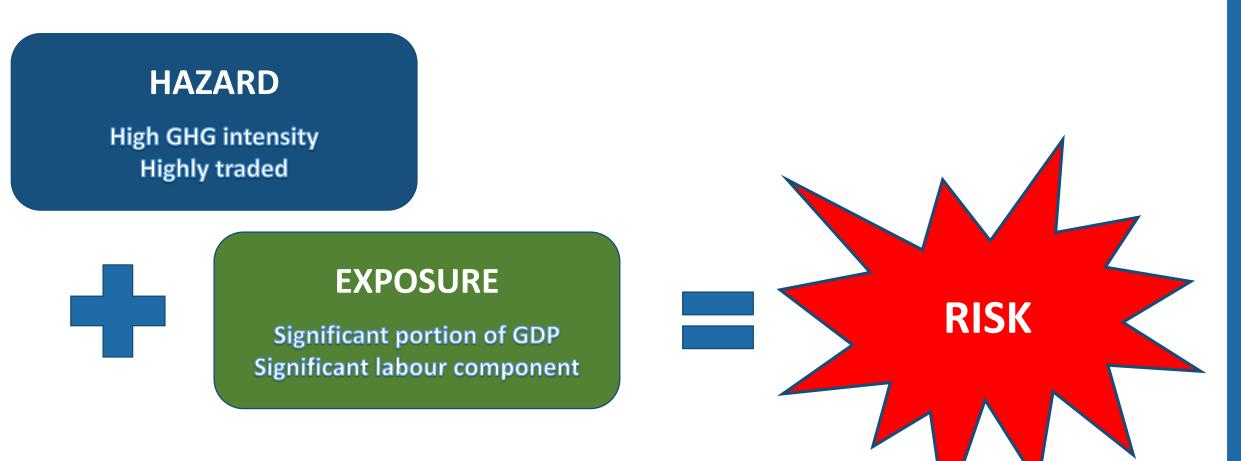


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ERCST Methodology: Vulnerable goods/sectors

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This is a data-hungry process



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Two types of challenges

- Data availability
- Data challenges: Labour-intensive processes



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- Data availability
- Gross value added is the preferred measure: indicates how much economic activity actually takes place in country. Not always available, and certainly not at disaggregated levels.
- GDP figures available, but not always well disaggregated
- Usually available at the 1- or 2-digit level (public data)

Grouping	Classification 🔽	Description	•
Section	А	Agriculture, forestry and fishing	
Division	01	Crop and animal production, hunting and related service activities	
Group	012	Growing of perennial crops	
Class	0127	Growing of beverage crops (includes cocoa)	

Data availability

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• GHG emissions data conforms to IPCC categories, not ISIC.

Data problems in the Chile study

What	we have	What we need				
Category in National		ISIC Rev 4 Category at 1	Data found in National			
Energy Balance	ISIC Rev 4 level found	digit ISIC level	Energy Balance			
	4 digit ISIC level: Section B,	Agriculture, livestock,				
Copper mining	Group 072, Class 0891	forestry and fishing	covers sugar and fishing			
	4 digit ISIC level: Section B		covers copper, salt peter and			
Salt peter mining	Group 081, 0891	Mining and quarrying	iron			
			petrochemicals, iron & steel,			
	3 digit ISIC level: Section B,		cement and other			
Iron mining	Group 071	Manufacturing	manufacturing			
	2 digit ISIC level: Section C,	Electricity, gas, steam				
Pulp and paper	Division 17	and air conditioning	covers electricity & gas			
		Water supply; sewerage,				
	3 digit ISIC level: Section C,	waste management and				
Iron & steel manufacturi	Group 241	remediation activities	no coverage			
	2 digit ISIC level: Section C,					
Petrochemicals	Division 20	Construction	construction			
	4 digit ISIC level: Section C,	Wholesale and retail				
Cement	Group 239, Class 1072	trade	no coverage			
	4 digit ISIC level: Section C,	Transportation and				
Sugar	Group 107, Class 1072	storage	no coverage			
	2 digit ISIC level: Section A,	Accommodation and				
Fishing	Division 3	food service activities	no coverage			
	2 digit ISIC level: Section A	Information and				
Agribusiness	Divisions 1 and 2	communication	no coverage			
		Financial and insuance				
Construction	1 digit ISIC level: Section F	activities	no coverage			

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Data availability

- Labour data typically not available at disaggregated levels
- Tourism data never available along with sectoral data for goods – scattered across various sectors (accommodations, restaurants, transportation, guiding services, etc.)

World Tourism Organization (2016), Compendium of Tourism Statistics dataset [Electronic], UNWTC, Madrid, data updated on 07/11/2018. Conceptual references and technical notes are available in the Methodological Notes to the Tourism Statistics Database: <u>http://statistics.unwto.org/news/2018-03-23/methodological-notes-lourism-statistics-database-2018-edition</u>

CHILE

Cod	Basic data and indicators	Notes	Units	2013	2014	2015	2016	2017
1.	INBOUND TOURISM							
	Data	7						
	Arrivals							
1.1	Total		('000)	4,457	4,601	5,487	6,712	7,621
1.2	Overnight visitors (tourists)	m	('000)	3,576	3,674	4,478	5,641	6,450
1.3	 Same-day visitors (counsis) Same-day visitors (excursionists) 	(2)	('000)	881	926	1,009	1,072	1,171
1.4	* of which, cruise passengers	1.00	('000)			.,		
	Arrivals by region	m						
1.5	Total	ш	('000)	3,576	3,674	4,478	5,641	6,450
1.6	Africa		('000)	3,576	3,074	4,470	4	5
1.7	Americas		('000)	2,901	2,952	3,735	4,845	5,615
1.8	 East Asia and the Pacific 		('000)	100	104	111	124	140
1.9	+ Europe		('000)	396	426	432	470	497
1.10	Middle East		('000)	1	1	1	1	1
1.11	 South Asia 		('000)	3	3	4	5	6
1.12	 Other not classified 		('000)	172	185	191	192	187
1.13	* of which, nationals residing abroad		('000)	171	185	191	192	187
	Arrivals by main purpose							
1.14	Total	(1)	('000)	3,576	3,674	4,478	5,641	6,450
1.15	Personal	-	('000)	2,952	3,009	3,786	4,827	5,814
1.16	* holidays, leisure and recreation		('000)	1,863	1,910	2,409	3,022	4,035
1.17	 other personal purposes 		('000)	1,089	1,099	1,377	1,805	1,779
1.18	 Business and professional 		('000)	624	666	692	814	636
	Arrivals by mode of transport							
1.19	Total		('000)	3,576	3,674	4,478	5,641	6,450
1.20	+ Air		('000)	1,475	1,535	1,710	1,985	2,569
1.21	Water		('000)					
1.22	+ Land	1	('000)	2,101	2,140	2,768	3,656	3,881
1.23	railway		('000)					
1.24	road		('000)	2,101	2,140	2,768	3,656	3,881
1.25	* others		('000)					
	Accommodation							
	Hotels and similar establishments	1	1					
1.31	+ Guests	(<u>3)</u> (3)	('000)	2,161 4,553	3,151 6,179	3,262	3,496 6,909	4,386
1.32	Overnights	131	(000)	4,003	0,179	0,499	6,909	9,804
	Expenditure		-					
1.33	Total		US\$ Mn	3,171	3,202	3,412	3,723	4,604
1.34 1.35	+ Travel		US\$ Mn	2,181 990	2,259 943	2,481 931	2,665	3,634
1.35	 Passenger transport 		US\$ Mn	990	943	931	1,058	9/0
	Expenditure by main purpose of the trip							
1.36	Total	1	US\$ Mn	2,181	2,259	2,481	2,665	3,634
1.37	Personal	1	US\$ Mn	1,766	1,859	2,055	2,242	3,222
1.38	 Business and professional 		US\$ Mn	415	400	426	423	412
	Indicators	1						
1.39	Average size of travel party		Persons					
	Average length of stay	1						
1.40	Total		Days					
1.41	 For all commercial accommodation services 		Nights	8.90	8.80	8.50	7.42	10.30
1.42	* of which, "hotels and similar establishments"		Nights					
1.43	 For non commercial accommodation services 		Days US\$	66.9	68.2	64.0	62.6	
1.44	Average expenditure per day		05\$	00.9	68.2	64.0	02.0	55.1
2.	DOMESTIC TOURISM							
	Data							
	Trips	()	1 L					
2.1	Total	1	('000)	42,867	44,585	46,927	45,911	
2.2	 Overnight visitors (tourists) 	<u>(4)</u>	('000)	21,531	22,823	24,512	22,622	
2.3	 Same-day visitors (excursionists) 		('000)	21,335	21,762	22,415	23,289	
	Trips by main purpose	1	1					
2.4	Total		('000)	21,532	22,824	24,512	22,622	
2.5	Personal	1	('000)	21,016	22,277	23,925	22,291	
2.6	 holidays, leisure and recreation 		('000)	13,725	14,548	15,624	14,600	
2.7	* other personal purposes	1	('000)	7,291	7,729 547	8,301	7,691	
2.8	 Business and professional 		('000)	516		587	331	

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Data challenges: 2-step concordance

• HS codes to ISIC rev 3.1; then ISIC rev 3.1 to ISIC rev 4

		ISIC	
HS 2007		Revision 3	
Product		Product	
Code	HS 2007 Product Description	Code	ISIC Revision 3 Product Description
30611	Rock lobster & other sea crawfish (Palinurus spp., Panulirus spp., Jasus spp.), whether/no	1512	Processing and preserving of fish and fish products
30612	Lobsters (Homarus spp.), whether/not in shell, frozen	1512	Processing and preserving of fish and fish products
30613	Shrimps & prawns, whether/not in shell, frozen	1512	Processing and preserving of fish and fish products
30614	Crabs, whether/not in shell, frozen	1512	Processing and preserving of fish and fish products
30619	Frozen crustaceans (excl. of 0306.11-0306.14); frozen flours/meals/pellets of crustacear	1512	Processing and preserving of fish and fish products
30621	Rock lobster & other sea crawfish (Palinurus spp., Panulirus spp., Jasus spp.), whether/no	500	Fishing, operation of fish hatcheries and fish farms; service activities incidental to fishing
30622	Lobsters (Homarus spp.), whether/not in shell, other than frozen	500	Fishing, operation of fish hatcheries and fish farms; service activities incidental to fishing
30623	Shrimps & prawns, whether/not in shell, other than frozen	500	Fishing, operation of fish hatcheries and fish farms; service activities incidental to fishing
30624	Crabs, whether/not in shell, other than frozen	500	Fishing, operation of fish hatcheries and fish farms; service activities incidental to fishing
30629	Crustaceans, other than frozen (excl. of 0306.21-0306.24); flours/meals/pellets of crusta	500	Fishing, operation of fish hatcheries and fish farms; service activities incidental to fishing
30710	Oysters, whether/not in shell, live/fresh/chilled/frozen/dried/salted/in brine	500	Fishing, operation of fish hatcheries and fish farms; service activities incidental to fishing
30721	Scallops, incl. queen scallops (genera Pecten/Chlamys/Placopecten), live/fresh/chilled	500	Fishing, operation of fish hatcheries and fish farms; service activities incidental to fishing
30729	Scallops, incl. queen scallops (genera Pecten/Chlamys/Placopecten), other than live/fres	1512	Processing and preserving of fish and fish products
30731	Mussels (Mytilus spp., Perna spp.), live/fresh/chilled	500	Fishing, operation of fish hatcheries and fish farms; service activities incidental to fishing
30739	Mussels (Mytilus spp., Perna spp.), other than live/fresh/chilled	1512	Processing and preserving of fish and fish products
30741	Cuttle fish (Sepia officinalis, Rossia macrosoma, Sepiola spp.) & squid (Ommastrephes sp	500	Fishing, operation of fish hatcheries and fish farms; service activities incidental to fishing
30749	Cuttle fish (Sepia officinalis, Rossia macrosoma, Sepiola spp.) & squid (Ommastrephes sp	1512	Processing and preserving of fish and fish products
30751	Octopus (Octopus spp.), live/fresh/chilled	500	Fishing, operation of fish hatcheries and fish farms; service activities incidental to fishing
	Octopus (Octopus spp.), other than live/fresh/chilled	1512	Processing and preserving of fish and fish products
30760	Snails (excl. sea snails)	122	Other animal farming; production of animal products n.e.c.
30791	Molluscs & invertebrates (excl. of 0307.10-0307.60), live/fresh/chilled	500	Fishing, operation of fish hatcheries and fish farms; service activities incidental to fishing
30799	Molluscs & invertebrates (excl. of 0307.10-0307.60), frozen/dried/salted/in brine; incl. fl	1512	Processing and preserving of fish and fish products
40110	Milk & cream, not concentrated/sweetened, fat content by weight not >1%	1520	Manufacture of dairy products
40120	Milk & cream, not concentrated/sweetened, fat content by weight >1% but not >6%	1520	Manufacture of dairy products
	Milk & cream, not concentrated/sweetened, fat content by weight >6%	1520	Manufacture of dairy products
40210	Milk in powder/granules/other solid form, fat content by weight not >1.5%	1520	Manufacture of dairy products
40221	Milk in powder/granules/other solid form, unsweetened, fat content by weight >1.5%	1520	Manufacture of dairy products



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The two types of challenges

- **Data availability:** means using proxies, best-effort assumptions, non-traditional data sources
- Data challenges: just means putting in the hours



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Thank you!



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