

ECLAC IOTs Framework: databases: years, countries and industries

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NACIONES UNIDAS

C E P A L



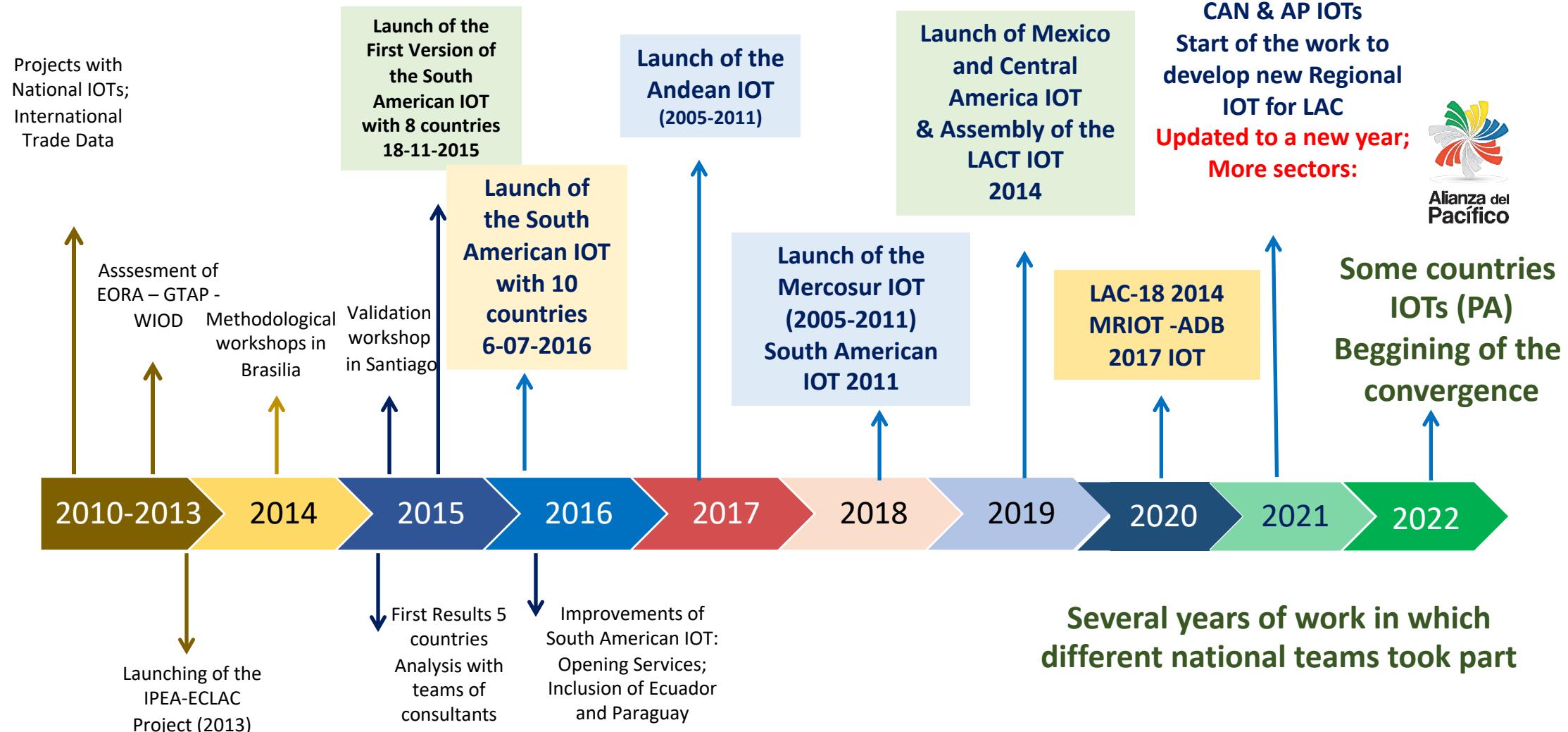
Sevilla, March 30, 2023



Summary

1. History: From South America IOT to LAC IOT
2. Industries
 1. 40X40 IOT
 2. 60X60 IOT
3. Different databases: 2005, 2011, 2014, 2017 and 2018
4. Efforts to achieve convergence
 1. ECLAC – ADB;
 2. ECLAC – ADB – OCDE
 3. ECLAC – ADB – OCDE - FIGARO

Milestones in the process of Latin America's value-added trade project: From South America (10) to Latin America (18)



Source: ECLAC, based on: Durán & Banacloche (2021). "Economic analysis based on input-output tables: Definitions, indicators and applications for Latin America".

Major achievements of the ECLAC input- output table project

- First achievement: Assembling an IOT for South America
- (2016; 2019; 2020)

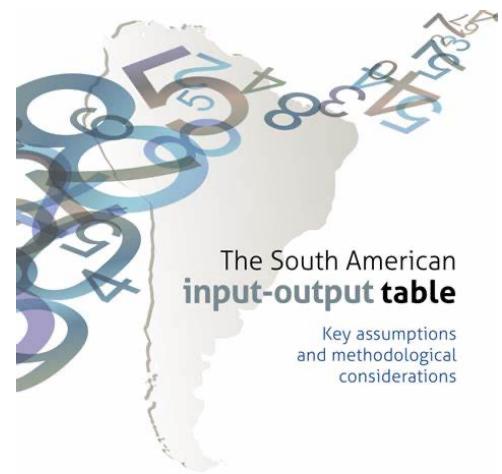
- 10 countries: Argentina, Bolivia. P. S., Brazil, Chile, Colombia, Ecuador, Peru, Paraguay, Uruguay and Venezuela. B. R.;
- A single base year: **2005 (with IPEA). 2011. 2014;**
- A single valuation: current dollars and basic prices



Assembling the IOT
can be understood as
puzzle regarding the
harmonization of
methodology



Assembled IOT includes
40 sectors



SUITs, the heart of our work

**ECLAC Statistic Division has a very detailed list of availability of Supply
Use Tables of Latin American countries**

- **Different years**
- **Different sectors**
- **Different currencies**

Country	SUT	ISIC Rev	Classifier of Economic Activities of the Country	CPCversion	Reference Year	Disaggregation Activities	Type	Current valuation	Constant valuation
Argentina	2004	3	v	1.1	2004	143 x 162	PxI	v	...
	2018					223 x 107			
Bolivia (P.S.)	1988 - 2014	2 & 3	v	1.0	1990	35 x 35	PxI	v	v
	1990 - 1994					1980			
Brazil	1995 - 1999	4	v	2010 BESPL	1980	12 x 12	PxI	v	v
	2000 - 2009				1980	80 x 42			
	2010 - 2019				2000	12 x 12: 107 x 51			
					2010	107 x 51: 128 x 68			
Chile	1996	3 & 4	v	2.0	1996	12 x 12; 73 x 73	PxI	v	v
	2003				2003	13 x 12; 73 x 73			
	2013				2013	12 X 12; 111 X 181			
	2018				2018	12 X 12; 111 X 181			
Colombia	2006 - 2019	4	v	2.0	2005 y	392 x 61 y 66 x 61	PxI	v	v
	2005 - 2019				2015	392 x 61 y 66 x 61			
Costa Rica	1997 - 2007	4	v	2.0	1991	121	PxI	v	v
	2012 - 2016				2012	183 x 141			
	2017				2017	184 x 96			
	2018				2017	184 x 151			
Ecuador	2000 - 2006	4	--	...	2000	60 x 47	PxI	v	v
	2007 - 2019				2007	277x71			
El Salvador	2005	4	v	2.0	1990	69 x 69	PxI	v	...
	2014-2018				2014	69 x 69			
Guatemala	2005-2012	4	v	v	2001	65 x 23	PxI	v	v
	2013-2019				2013	151 x 104			
Haiti	2012	4	v	2.0	2012	20 x 23	PxI	v	...
Honduras	2000 - 2018	4	v	2.0	2000	55 x 16	PxI	v	...
Jamaica	2007	3	v (JIC 2005)	...	2007	12 x 12	IxI	v	...
Mexico	2003 - 2020	4	v	2.0	2013	20 x 20; 80 x 80; 262 x 262	IxI	v	...
Nicaragua	2001 - 2005	4	v	2.0	1994	39 x 39	PxI	v	v
	2006 - 2018				2006	39 x 38			
Panama	1996	4	v	...	1996	158 x 29	PxI	v	...
	2015 - 2017				2007	60 x 60			
Paraguay	1991 - 1997	4	v	2.1	1994	46 x 33	PxI	v	v
	2008 - 2014				2014	53 x 33			
Peru	2007 - 2019	4	v	2.0	2007	365 x 101	PxI	v	...
Dominican Republic	1991 - 2005	4	v	2.0	1991	67 x 32	PxI	v	...
	2007 - 2016			2.0	2007	69 x 40			
Saint Lucia	2016	4	v	...	2006	20 secciones 22 divisiones	IxI	v	...
Suriname	2015	4	v	2.0	2015	71 x 23	IxI	v	...
	2005-2008				2005	45			
Uruguay	2012	4	v	2.0	2005	134 x 107	PxI	v	...
	2016				2016	110 x 95			
Venezuela (B.R.)	1997	3	1997	180 x 121	PxI	v	...

And also, the IOT

ECLAC Statistic Division also has all the IOTs available in LAC countries

- Different years**
- Different sectors**
- Different currencies**

Documents

[CPCv2.1_English.pdf](#)

[CPCv11-Spanish.pdf](#)

[ISIC_Rev3_Spanish.pdf](#)

[ISIC_Rev4_Spanish.pdf](#)

[ISIC31_Spanish.pdf](#)

Mexico

[MEX_COU_2003_2012.zip](#)

[MEX_COU_2013.zip](#)

[MEX_COU_2014_2020.zip](#)

Country	IOT	ISIC	Classifier of Economic Activities of the Country	CPC	Reference Year	Disaggregation Activities	Type	Valuation	
Argentina	1997	3	NCEA	CPC ver1.1	1997	195 x 124	PxI	Current	
	1985				1980	80 x 43	PxI	Current	
	1990 - 1996				1980	80 x 43	PxI	Current	
	2000	4	NCEA		2000	12 x 12 y 110 x 55	PxI	Current	
	2005				2000	12 x 12 y 110 x 55	PxI	Current	
	2010				2010	12 x 12, 20 x 20 y 67 x 67	PxI	Current	
	2015				2010	12 x 12, 20 x 20 y 67 x 67	PxI	Current	
	1996				1996	12 x 12 y 73 x 73	IxI	Current	
	2003				2003	12 x 12 y 73 x 73	IxI	Current	
	2008-2018				2013	12 x 12 y 111 x 176	IxI	Current	
Brazil	2018-2019				ZU18	12 x 12 y 111 x 118	IxI	Current	
	2005, 2010			N-CPC	2005	61 x 61	IxI	Current	
	2005, 2010				2005	61 x 61	PxP	Current	
	2015	4	ISIC rev4		2015	68 x 68	IxI	Current	
	2015				2015	68 x 68	PxP	Current	
	2017				2015	68 x 68	IxI	Current	
	2017				2015	68 x 68	PxP	Current	
	2012				2012	183 x 183	PxP	Current	
	2012				2012	128 x 128	IxI	Current	
	2017				2017	184 x 184	PxP	Current	
Chile	2017				2017	136 x 136	IxI	Current	
	2007			CPC ver2.0	2007	71 x 71	IxI	Current	
	2009 - 2014	4	ISIC rev4		2007	71 x 71	IxI	Current	
	2019				2007	71 x 71	IxI	Current	
	1996 - 2005				1990	45 x 45	PxI	Current and Constant	
	2005 - 2014	4	CCP ver2.0		2014	53 x 53	IxI	Current	
	2005 - 2014				2014	53 x 53	PxP	Current	
	2013	4			2013	105 x 105	IxI	Current	
	2000, 2011, 2013	4	NCEA	N-CPC	2000	11 x 11 y 95 x 95	ixP	Current	
	2007	3			2007	53 x 53	PxP	Current	
Colombia	1970, 1975, 1978 y 1980			N/I	1970, 1970, 1970 y 1980	72 x 72	IxI	Current	
	2003				2003	20 x 20	IxI	Current	
	2008				2008	814 x 814	IxI	Current	
	2008	4	NAIC	CPC ver2.0	2008	814 x 814	PxP	Current	
	2013				2013	72 x 72	IxI	Current	
	2013				2013	822 x 822	PxP	Current	
	2006	4	NCEA	N-CPC	2006	39 x 39 y 24 x 24	PxP	Current	
	2006				2006	39 x 39 y 14 x 14	IxI	Current	
Ecuador	1979				1979	103 x 70	PxI	Current	
	1994	4	ISIC rev4	CPC ver2.0	1994	287 x 45	PxI	Current	
	2007				2007	101 x 101	PxI	Current	
	2007				2007	24 x 24	PxP	Current	
	2007				2007	24 x 24	IxI	Current	
	2007				2007	24 x 24	PxP	Current	
	2012				2012	24 x 24	IxI	Current	
	2012				2012	180 x 121	PxI	Current	
	1997	3	NCEA	N-CPC	1997	121 x 121	PxP		
	1997				1997	121 x 121	IxI		
Venezuela (B.R.)	1997				1997	25 x 25	PxI		
					1997	25 x 25	PxP		
					1997	25 x 25	IxI		
					1997	25 x 25	PxP		
					1997	25 x 25	IxI		

Some countries have national classifiers adapted from international ones

Country	Classifier of Economic Activities of the Country	CPC
Argentina	National Classification of Economic Activities	CPC ver1.1
Brazil	National Classification of Economic Activities - CNAE 2.0	Brazilian Economic Sectors Product List
Chile	ISIC rev4	CPC ver2.0
Colombia	National adaptation ISIC 3 and ISIC Rev 4	CPC ver2.0
Costa Rica	ISIC rev4	CCP rev2.0
Ecuador	ISIC rev4	...
El Salvador	Nomenclature of Activities of El Salvador (NAES)	CCP ver2.0
Guatemala	Nomenclature of Economic Activities for Guatemala (NAEG)	Product Nomenclature for Guatemala (NPG)
Jamaica	Jamaica Industrial Classification	...
Mexico	North American Industry Classification System 2013 (NAICS 2013)	CPC ver2.0
Nicaragua	Classification of Economic Activities for Nicaragua.	Product Classifier for Nicaragua
Dominican Republic	ISIC rev4	CPC ver2.0
Venezuela (B.R.)	Classification of Products and Economic Activities of Venezuela	Central Product Classifier of Venezuela.

Major achievements of the ECLAC input-output table project

- **Second achievement: Assembling a Latin American IOT (2019-2020)**

- 8 additional countries: Mexico, Costa Rica, El Salvador, Dominican Republic, Honduras, Guatemala, El Salvador and Panama;
- A single base year: **2011, 2014**;
- A single valuation: current dollars and basic prices



Selected sectors / Industries for the harmonization of SA IOT – LAC

Forty sectors selected to join a South American input-output matrix													
Sector	Description	ISIC Code (Rev. 3)											
s1	Agriculture and forestry	0111 0112 0113 0121 0122 0130 0140 0200											
s2	Hunting and fishing	0150 0500											
s3	Mining (energy)	1010 1020 1030 1110 1120 1200											
s4	Mining (non-energy)	1310 1410 1421 1422 1429											
s5	Meat and meat; dairy milk	1511 1512 1514 1520											
s6	Grinding, baking and pasta	1531 1532 1541 1544											
s7	Sugar and confectionery products	1542 1543											
s8	Other food products	1513 1549											
s9	Drinks	1551 1552 1553 1554											
s10	Snuff products	1600											
s11	Textiles	1711 1712 1729 1730											
s12	Garments	1721 1722 1723 1810 1820 1911 1912											
s13	Footwear	1920											
s14	Wood and products of wood and cork	2010 2021 2022 2023 2029											
s15	Pulp, paper, paper, printing and publishing	2101 2102 2109 2211 2212 2213 2219 2221 2222 2230											
s16	Coke, refined petroleum and nuclear fuel	2310 2320 2330											
s17	Basic chemicals	2411 2412 2413											
s18	Other chemicals (excluding pharmaceuticals)	2421 2422 2424 2429 2430											
s19	Pharmaceutical	2423											
s20	Rubber and plastic	2511 2519 2520											
s21	Nonmetallic minerals	2610 2691 2692 2693 2694 2695 2696 2699											
s22	Iron and Steel	2710 2731											
s23	Non-ferrous metals	2720 2732											
s24	Metal fabricated metal products (excluding machinery and transport equipment)	2811 2812 2813 2891 2892 2893 2899											
s25	Machinery and equipment (excluding electrical and electronic equipment)	2911 2912 2913 2914 2915 2919 2921 2922 2923 2924											
s26	Office equipment (including computer equipment)	3000											
s27	Machinery and electrical appliances	3110 3120 3130 3140 3150 3190 3210											
s28	Radio, television and telecommunications equipment	3220 3230											
s29	Optical medical equipment and precision instruments	3311 3312 3313 3320 3330											
s30	Motor vehicles, trailers and semi-trailers	3410 3420 3430											
s31	Aircraft	3530											
s32	Other transport equipment	3511 3512 3520 3591 3592 3599											
s33	Other articles: recycling, furniture and other	3610 3691 3692 3693 3694 3699 3710 3720											
s34	Electricity, gas and water	4010 4020 4030											
s35	Construction	4510 4520 4530 4540 4550											
s36	Transport	6010 6021 6022 6023 6030 6110 6120 6210 6220 6301											
s37	Post and telecommunications	6411 6412 6420											
s38	Finance and insurance	6511 6519 6591 6592 6599 6601 6602 6603 6711 6712 6719 6720											
s39	Services to businesses of all kinds	7010 7020 7111 7112 7113 7121 7122 7123 7129 7130 7210 7220											
s40	Other services	7230 7240 7250 7290 7310 7320 7412 7413 7414 7421 7422 7430 7491 7492 7493 7495 7499											
		5139 5141 5142 5143 5149 5150 5190 5211 5219 5220 5231 5232 5233 5234 5239 5240 5251 5252 5259											
		5260 5510 5520 7411 7494 7511 7512 7513 7514 7521 7522 7523 7530 8010 8021 8030 8090 8511 8512 8519 8520 8531 8532 9000 9111 9112 9120 9191											
		9192 9199 9211 9212 9213 9214 9219 9220 9231 9232 9233 9241 9249 9301 9302 9303 9309 9500 9900											

Source: ECLAC on the basis of IOM and / or national SUT, considering on the work of the respective national teams.

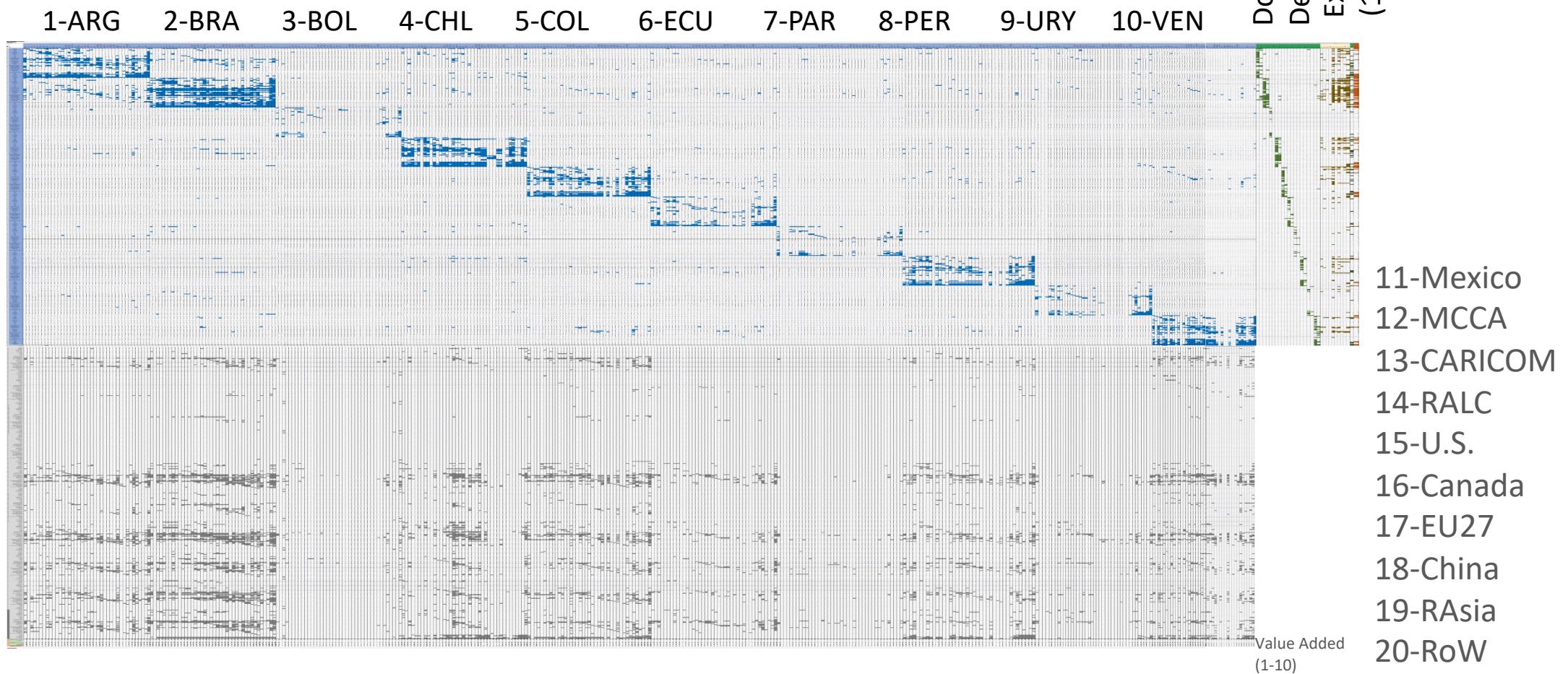
Each National IOTs was reclassified to 40 Sectors

Primary
(4)

Manufacturing (29)

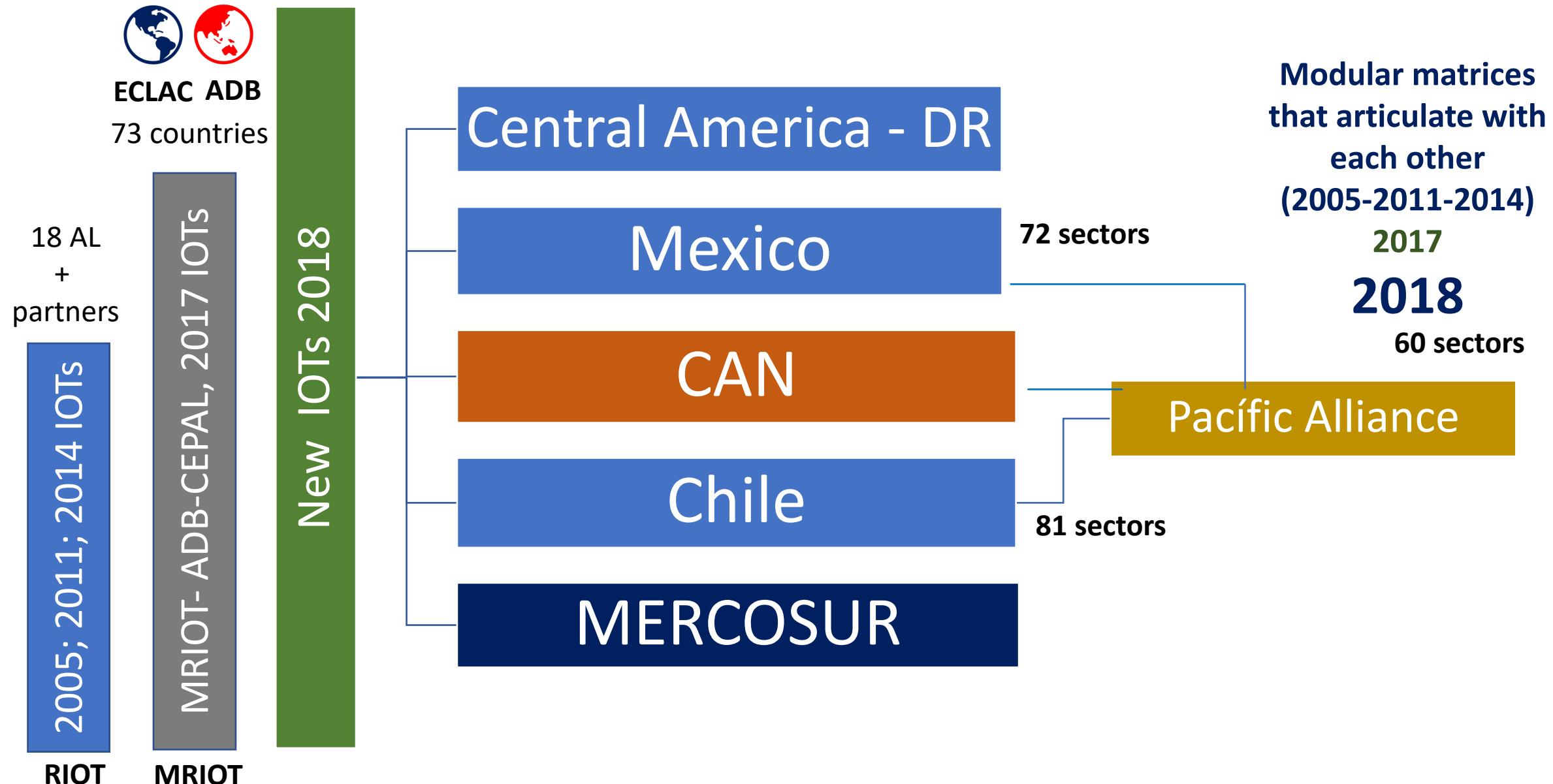
Services (7)

Structure of the IOT



The heat map of the South American IOT shows the biggest transactions on the region.

Stock of IOTs (As off March 2023)



How they will in the future?



Modular matrices
that articulate with
each other
(2005-2011-2014)

2017

2018

60 sectors

Pacific Alliance



List of countries included in the FEALAC IOT: and ROW (18 LAC and 26 Asian countries)

Australia	AUS	Luxembourg	LUX	Brunei Darussalam	BRU
Austria	AUT	Latvia	LVA	Bhutan	BHU
Belgium	BEL	Mexico	MEX	Kyrgyz Republic	KGZ
Bulgaria	BGR	Malta	MLT	Cambodia	CAM
Brazil	BRA	Netherlands	NET	Maldives	MLD
Canada	CAN	Norway	NOR	Nepal	NEP
Switzerland	SWI	Poland	POL	Singapore	SIN
People's Republic of China	PRC	Portugal	POR	Hong Kong. China	HKG
Cyprus	CYP	Romania	ROM	Argentina	ARG
Czech Republic	CZE	Russia	RUS	Bolivia, P.S.	BOL
Germany	GER	Slovak Republic	SVK	Chile	CHL
Denmark	DEN	Slovenia	SVN	Colombia	COL
Spain	SPA	Sweden	SWE	Ecuador	ECU
Estonia	EST	Turkey	TUR	Paraguay	PAR
Finland	FIN	Taipei, China	TAP	Peru	PER
France	FRA	United States	USA	Uruguay	URY
United Kingdom	UKG	Bangladesh	BAN	Venezuela. B.R.	VEN
Greece	GRC	Malaysia	MAL	Costa Rica	CRI
Croatia	HRV	Philippines	PHI	El Salvador	SLV
Hungary	HUN	Thailand	THA	Guatemala	GTM
Indonesia	INO	Viet Nam	VIE	Honduras	HND
India	IND	Kazakhstan	KAZ	Nicaragua	NIC
Ireland	IRE	Mongolia	MON	Panama	PAN
Italy	ITA	Sri Lanka	SRI	Dom. Republic	RDO
Japan	JPN	Pakistan	PAK	Rest of the World	RoW
Republic of Korea	KOR	Fiji	FIJ		
Lithuania	LTU	Lao People's Democratic Republic	LAO		



Source: Working Group ECLAC-ESCAP-ADB

National matrices already updated as of 2018 (As of November 2022)



Alianza del
Pacífico

Colombia (66X66)

Chile (80X80)

Mexico (72X72)

Peru (66X66)

Argentina

Brazil

Paraguay

Uruguay

Ecuador

Central America

Bolivia (EP)

Venezuela (RB)



Exchange Rate
Used (year average)

CHILE	:	641.22 CLP
COLOMBIA	:	2796 COLP
PERU	:	3.287 SOLES
MEXICO	:	19.2372 MXP

- Same currency (US\$)
- Homogeneous Sector (60x60)
- Compatible with other IOTs:
TIVA OCDE, FIGARO, ADB.

Broad Economic Sectors (Maximum openness of the LAC IOT)

PRIMARY
From 4 to 19



Agriculture, hunting and forestry (s1, s2)
Oil and mining (s3, s4)

From 2 to 12
From 2 to 7

MANUFACTURES
From 29 to 33



Food, beverages and tobacco (s5 to s10)
Textiles, clothing and footwear (s11 to s13)
Wood, paper and paperboard (s14 to s15)
Chemicals and pharmaceuticals (s16 to s19)
Rubber and plastics (s20); Non-metallic minerals (s21)
Metals and metal products (s22, s23, s24)
Machinery and equipment (s25 to s29)
Motor vehicles and auto parts (s30, s31 and s32)
Other manufactures (s33)

From 6 to 8
3 (Idem)
From 2 to 3
4 (Idem)
2 (Idem)
3 (Idem)
5 (Idem)
From 3 to 4
1

SERVICES
From 7 to 29



Electricity, gas and water (s34); Construction (35);
Transport (s36); Post and telecommunications (s37);
Finance and insurance (s38); Business services (s39)
Other services (s40)

Electricity, water and other utilities (1 to 3)

Transports (1 to 4: Land, water, air storage)

Hotel and restaurants
IT Administration
Education
Public Administration

81 ECONOMIC SECTORS

New convergence sectors (overlaps with other TIVA initiatives)

32 manufacturing sectors

**Primary
Products
(8)**

**Agroindustry
(3)**

**Textiles, clothing
& footwear (3)**

**Wood & Paper
(3)**

Sector	Description Major Economic Sectors of the 2018 PA IOT
1	Crop and animal production, hunting and related service activities
2	Forestry and logging
3	Fishing and aquaculture
4	Coal and lignite mining
5	Extraction of crude petroleum and natural gas
6	Mining of metal ores
7	Other mining and quarrying
8	Mining support service activities
9	Manufacture of food products
10	Manufacture of beverages
11	Manufacture of tobacco products
12	Manufacture of textiles
13	Manufacture of clothing
14	Manufacture of leather and allied products
15	Manufacture of wood and products of wood and cork,...
16	Manufacture of paper and paper products
17	Printing and reproduction of recorded media

Convergence Sectors (Overlaps with other TIVA initiatives)

(32 manufacturing sectors)

Chemical & pharmaceutical (3)	
Rubber & plastic (1)	
Non- metallic minerals (1)	
Metal mechanics (3)	
Electrical equipment and electronics (2)	
Non-electrical Mach. & equipment (1)	
Vehicles (3)	
Other Manufactures (1)	

Sector	Description Major Economic Sectors of the 2018 PA IOT
18	Manufacture of coke and refined petroleum products
19	Manufacture of chemicals and chemical products
20	Manufacture of basic pharmaceutical products and pharmaceutical preparations
21	Manufacture of rubber and plastic products
22	Manufacture of other non-metallic mineral products
23	Manufacture of basic iron and steel
24	Non-ferrous metals
25	Fabricated metal products
26	Computer, electronic and optical equipment
27	Electrical equipment
28	Machinery and equipment, n.e.c.
29	Motor vehicles, trailers and semi-trailers
30	Ships and boats
31	Other transport equipment
32	Other Manufactures.

Convergence Sectors (Overlaps with other TIVA initiatives)

(28 service sectors)

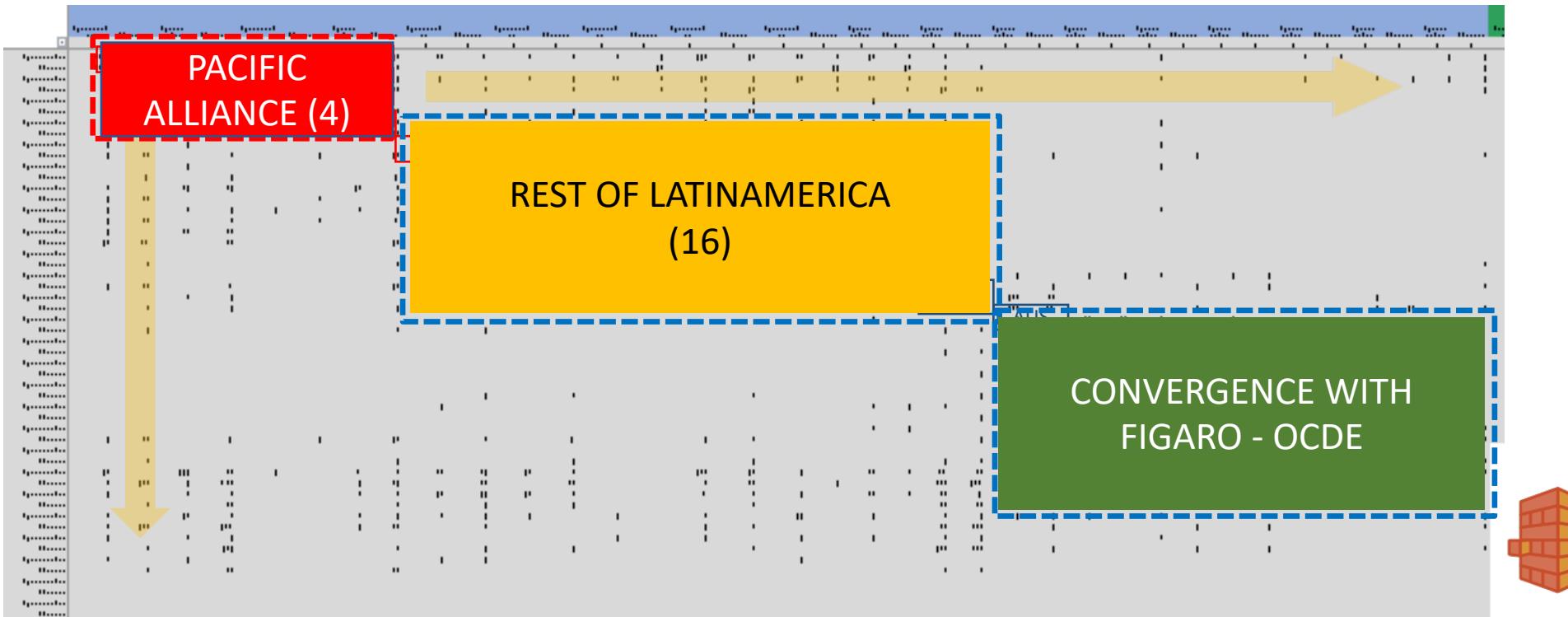
Sector	Description Major Economic Sectors of the 2018 PA IOT	Sector	Description Major Economic Sectors of the 2018 PA IOT
33	Repair and installation of machinery and equipment	48	Publishing activities
34	Electricity, gas, steam and air conditioning supply	49	Audiovisual and broadcasting activities
35	Water collection, treatment and supply	50	Telecommunications
36	Sewerage, waste management and remediation activity	51	Information technology and other information service activities
37	Construction		Financial service activities, except insurance and pension funding activities
38	Wholesale and retail trade and repair of motor vehicles and mopeds	52	Insurance, reinsurance, and pension funding, except compulsory social security
39	Wholesale trade, except of motor vehicles and mopeds	53	Activities auxiliary to financial services and insurance activities
40	Retail trade, except of motor vehicles and mopeds	54	Business services of all kinds
41	Land transport and transport through pipelines		Travel agency, tour operator, reservation service and related activities
42	Water transport	56	
43	Air transport	57	Public administration and defence; compulsory social security
44	Warehousing and support activities for transport	58	Education
45	Postal and courier activities	59	Other service activities
46	Accommodation		Real estate activities of own or leased, fee or contract real estate activities
47	Food and beverage service activities	60	

Novelties: Tourism (accommodation, restaurants, travel agencies); Transport (4 subgroups); environmental services (water treatment and waste management); technology services (ICTs).

Domestic and Imported Intermediate Use of the Pacific Alliance IOT, New IOT 2018. Each box has 60 sectors.

Pacific Alliance IOT 2018

(4 Pacific Alliance + 16 LAC countries + Rest of the World), Intermediate Utilisation



The Regional Matrix will have 19 countries. Pacific Alliance countries will be the first to have an assembled IOT for 2018

Preliminary convergence sector (ECLAC – OECD) 40 sectors

No.	ISIC-4	Industries / Sectors
s-01	D01T02	Agriculture, hunting, forestry
s-02	D03	Fishing and aquaculture
s-03	D05T06	Mining and quarrying, energy
s-04	D07T08	Mining and quarrying, non-energy
s-05	D09	Mining support service activities
s-06	D10T12	Food products, beverages and tobacco
s-07	D13T15	Textiles, textile products, and footwear
s-08	D16	Wood and products of wood and cork
s-09	D17T18	Paper products and printing
s-10	D19	Coke and refined petroleum products
s-11	D20	Chemical and chemical products
s-12	D21	Pharmaceuticals, medicinal chemical
s-13	D22	Rubber and plastics products
s-14	D23	Other non-metallic mineral products
s-15	D24	Basic metals
s-16	D25	Fabricated metal products
s-17	D26	Computer, electronic & Optical equipment
s-18	D27	Electrical equipment
s-19	D28	Machinery and equipment, nec
s-20	D29	Motor vehicles, trailers and semi-trailers

No.	ISIC -4	Industries / Sectors
s-21	D30	Other transport equipment
s-22	D31T33	Other manufacturing
s-23	D35	Electricity and gas
s-24	D36T39	Water supply; sewerage, and other
s-25	D41T43	Construction
s-26	D45T47	Wholesale and retail trade
s-27	D49	Land transport
s-28	D50	Water transport
s-29	D51	Air transport
s-30	D52	Warehousing and support activities
s-31	D53	Postal and courier activities
s-32	D55T56	Hotel and restaurants
s-33	D58T60	Publishing, and broadcasting
s-34	D61	Telecommunications
s-35	D62T63	IT and other information services
s-36	D64T66	Financial and insurance activities
s-37	D69T75	Professional, scientific and technical act.
s-38	D84	Public administration
s-39	D85	Education
s-40	D68-77- 82;D86-98	Other service activities *

* Include: Administrative support; Health; Recreation and Private houseful

Convergence among all the initiatives: 14 Nomenclature of Economic Activities (NAC) sectors (FIGARO, ADB, ECLAC and OECD minimum common denominator sectors)

Code Sectors	Main Aggregate sectors (All inititives)
A	Agriculture, forestry and fishing
B	Mining and quarrying
C	Manufacturing
D & E	Electricity, gas and wather / Water supply; sewerage; waste managment
F	Construction
G	Wholesale and retail trade; repair of motor vehicles and motorcycles
H	Transporting and storage
I	Accommodation and food service activities
J	Information and communication
K	Financial and insurance activities
L	Real estate activities
O	Public administration and defence; compulsory social security
P	Education
S	Other services activities

Source: FIGARO 21 sector industry IOT.

- Include: Professional, scientific and technical activities, administrative and support activities, human health, arts, activities of households and activities of extraterritorial organisations. (M, N, Q, R, T, U)

Comparing large aggregates between TIVA initiatives : GDP, intermediate inputs (DVA), exports and intermediate imports between the TIVA initiatives



Colombia
Chile
México
Perú
60 sectors

Colombia
Chile
México
Perú
45 sectors

Argentina
Brasil
México

Brasil
México
35 sectors

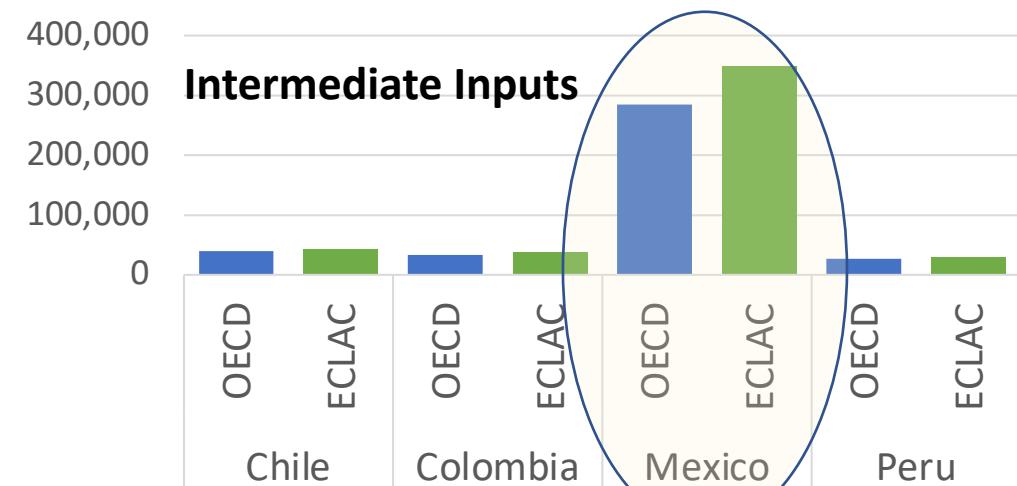
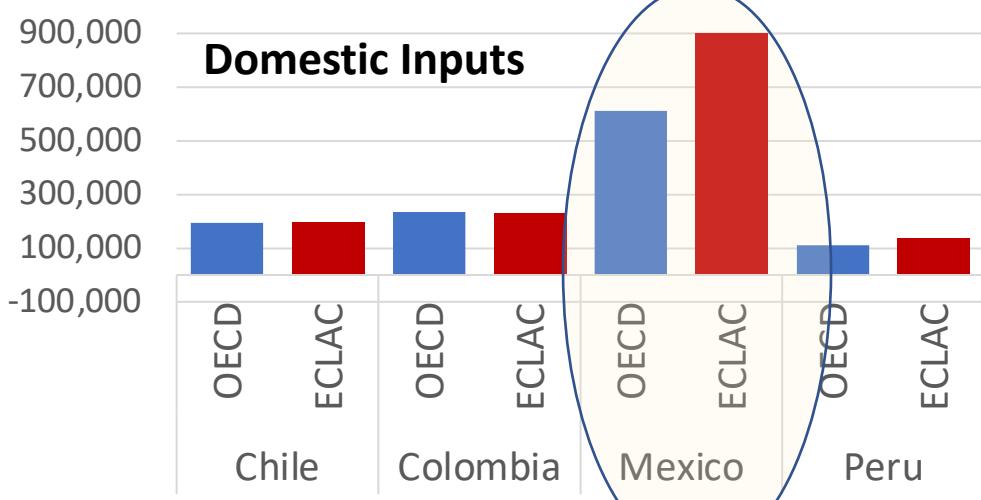
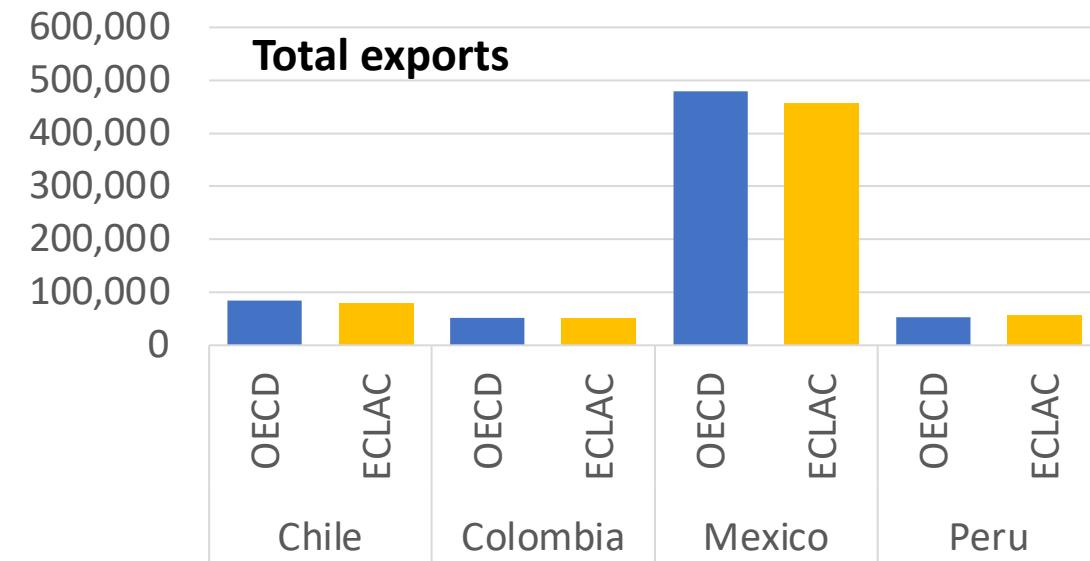
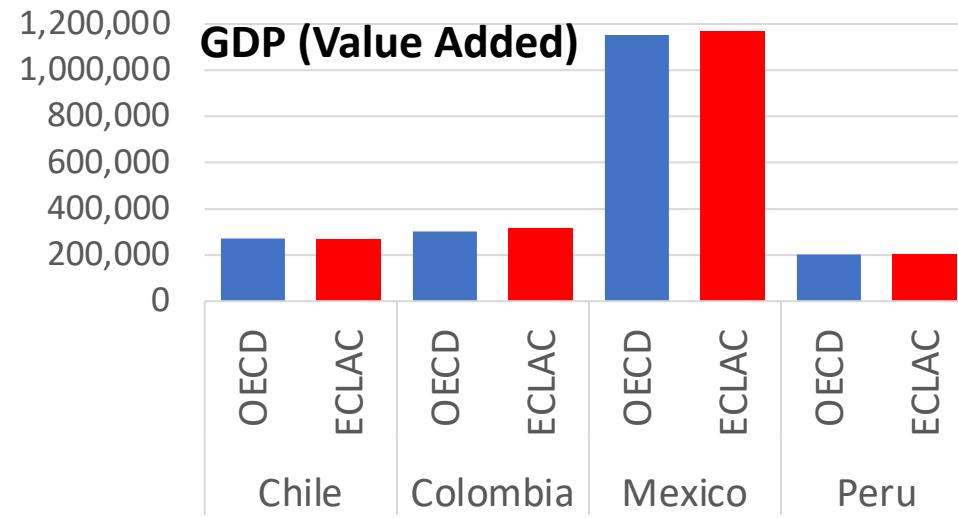


40 sectors (4 countries)



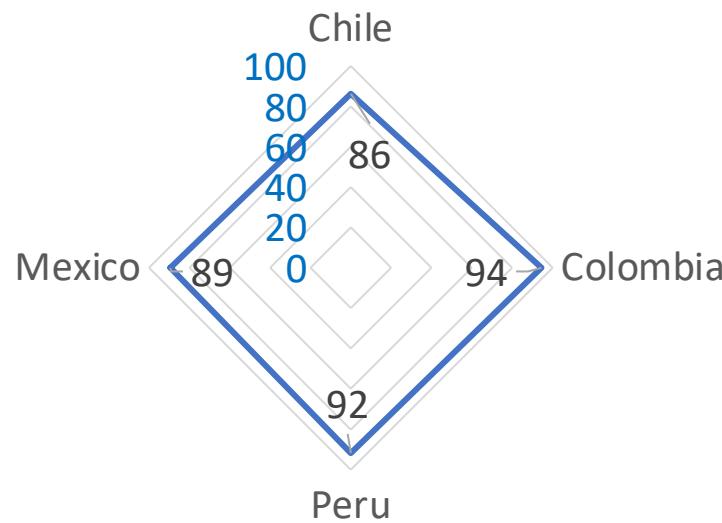
14 sectors
64 sectors

Comparison main IOT indicators (ECLAC – OECD) PA countries, 2018

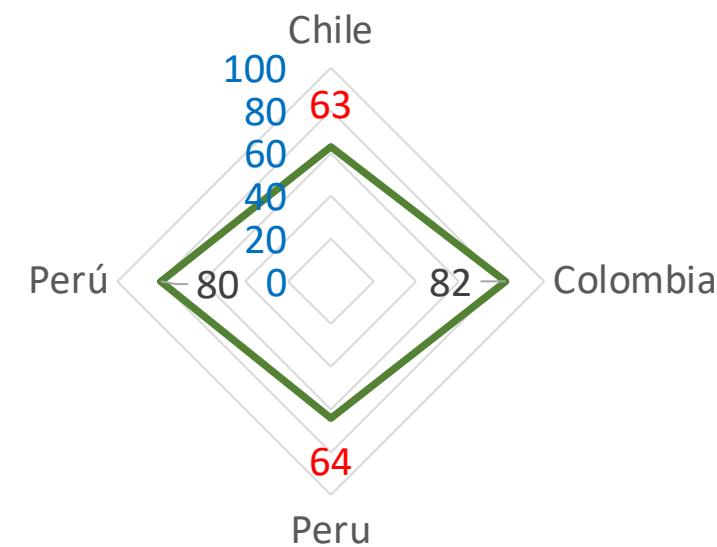


Similarity index (ECLAC – OECD) PA countries, 2018

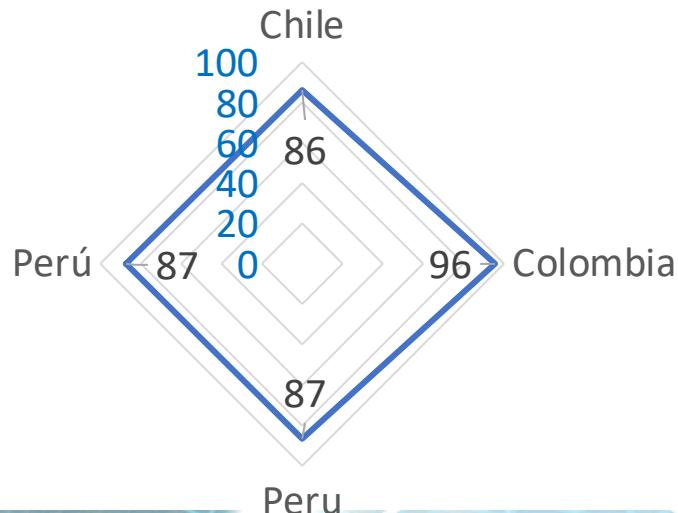
GDP (Value Added)



Total Exports



Domestic Inputs

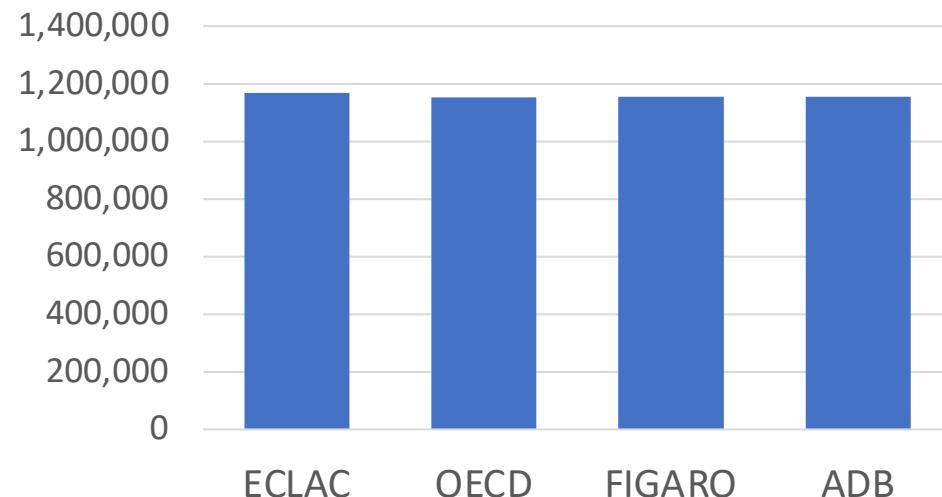


Intermediate imports

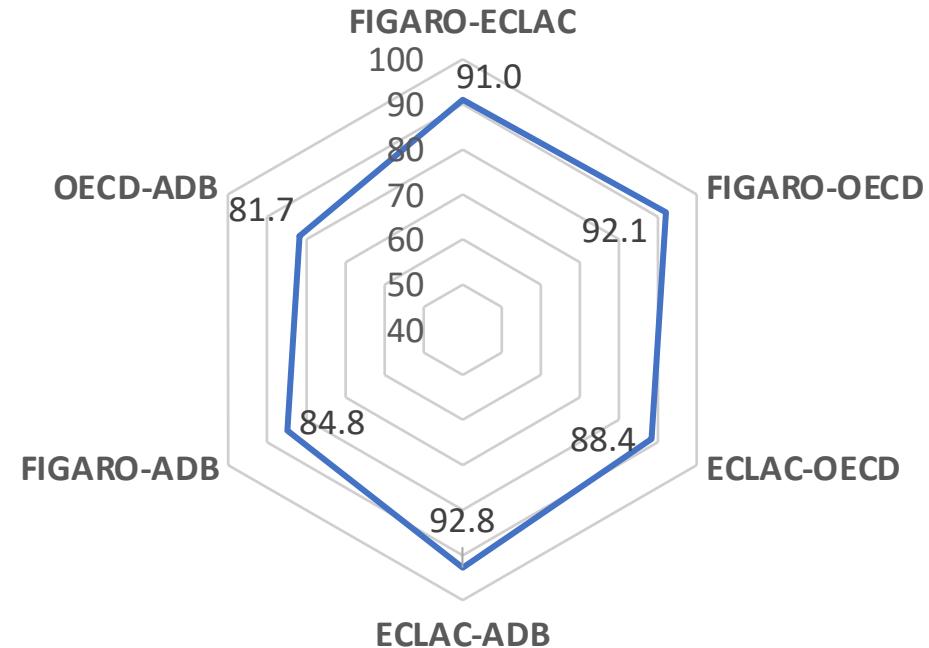


For the Mexican case, broadly GDP values are similar, but there are differences in the industrial structure

GDP (Value Added) USD Millions



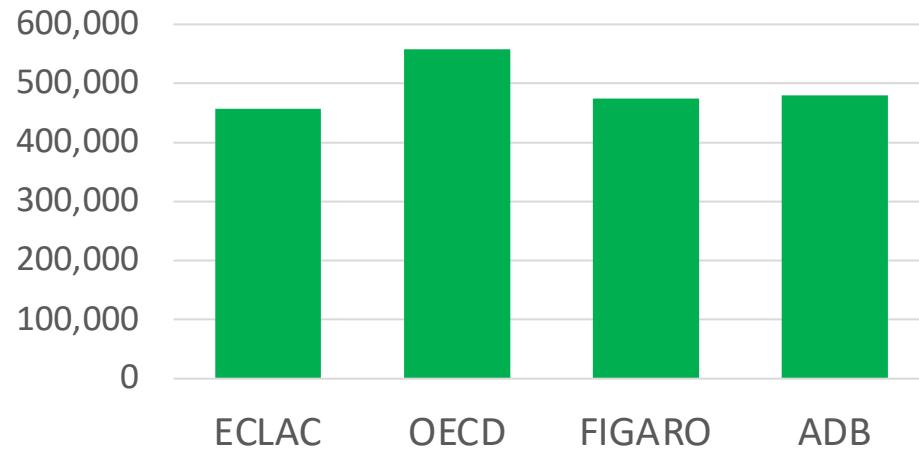
**Similarity Index
Total GDP (Value added)**



Source: Mexico IOT in each initiative (OECD, ADB, EUROSTAT and ECLAC).

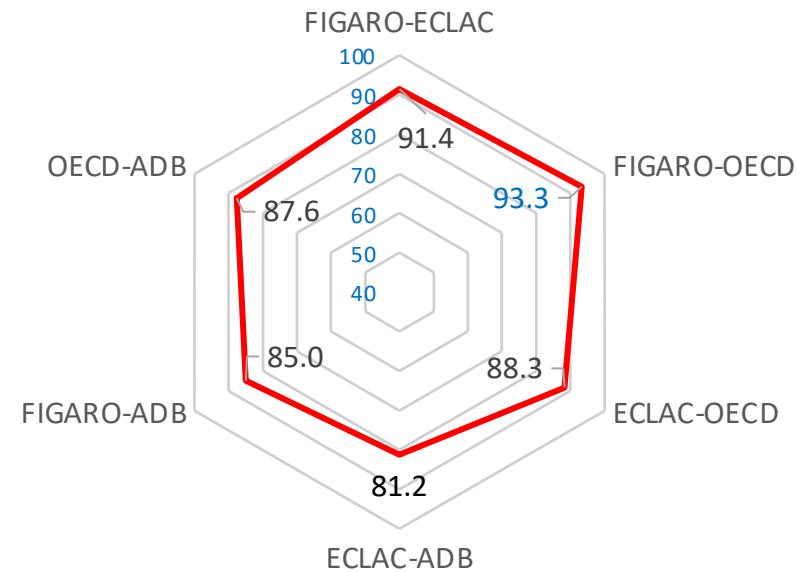
For the Mexican case, in the case of total exports the differences is relative higher than in the GDP case. The similarity index reproduce the differences with more distance among ECLAC, ADB and OECD

Exports (US\$ Million)



Similarity Index

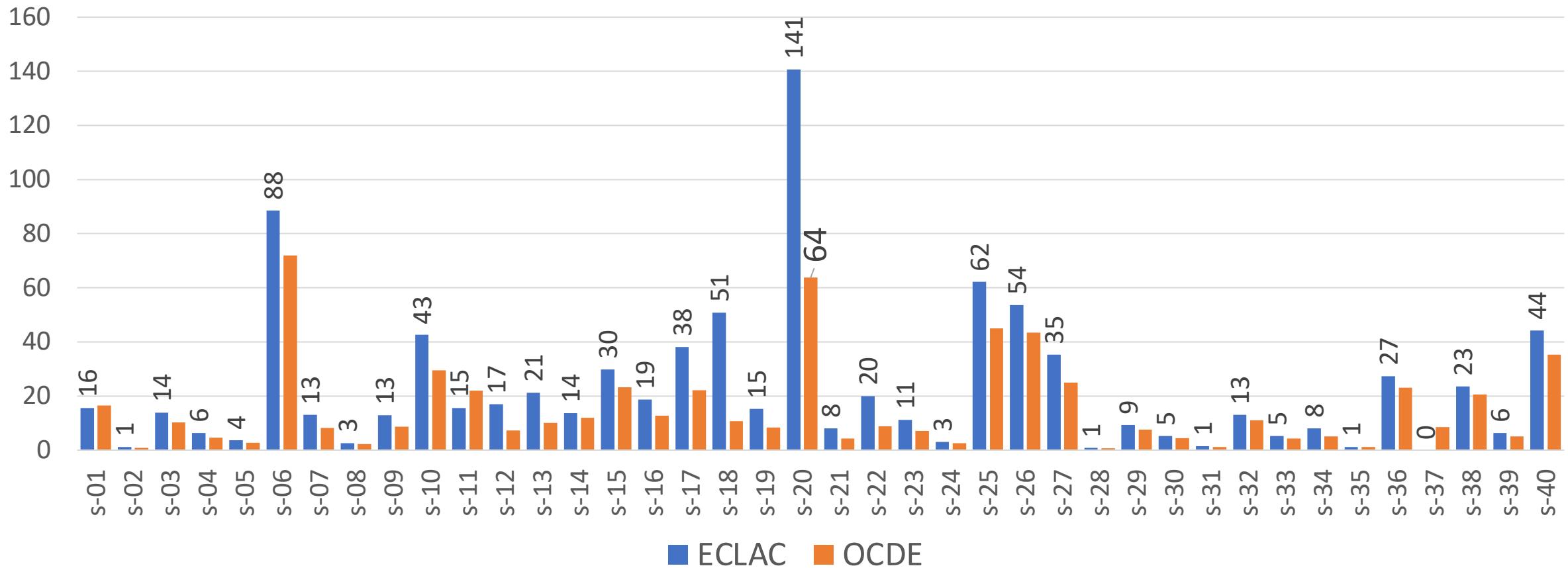
Total Exports



Source: Mexico IOT in each initiative (OECD, ADB, EUROSTAT and ECLAC).

ECLAC figures show higher values than OECD mainly in vehicles (s26) and electronics and electrical equipment (s18)

Mexico: Total domestic value by industry, ICIO TIVA OECD versus ECLAC IOT, 2018
(Millions of dollars)



Conclusions (1)

- IOTs allow for a more informed analysis of the state of Regional Integration (productive structure and complementarities).
- A matrix with a greater number of economic sectors allows for a closer analysis of the productive structure.
- Given messages for Policy makers in Bogotá with some calculated indicators:
 - The Pacific Alliance countries have an underexploited productive integration (less than 2% of the exported value in terms of Value Added).
 - The United States is a major partner of Mexico.
 - Asia Pacific and (China) are gaining more space as relevant partners.



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ECLAC, United Nations

Thank you!
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