ARGENCON: The Future of Argentina Successfully Serving Global Clients

argencon
Serving Global Clients from Argentina

AS/COA

Global delivery Argentina's Outlook



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Education as a Driver of Innovation

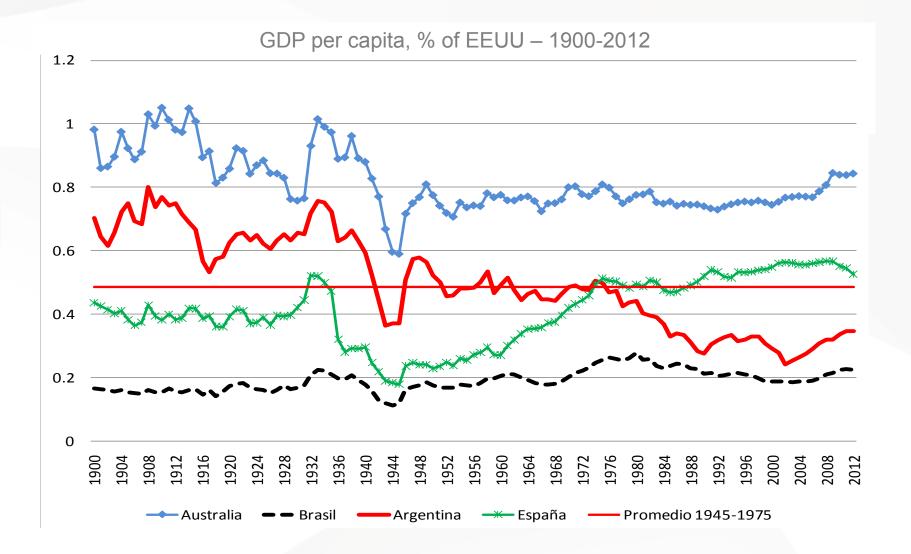
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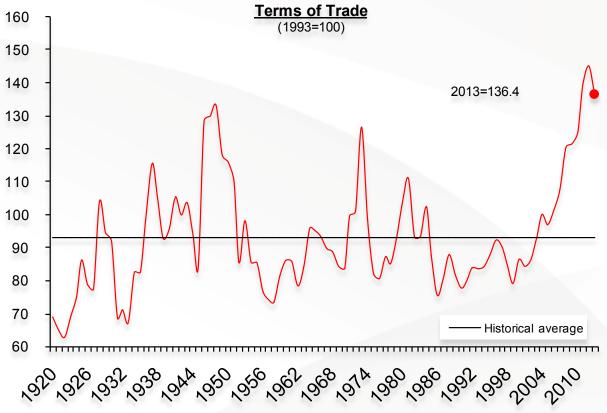






Terms of Trade

- ➤ The Terms of Trade are 45% above the historical average
- Although international commodity prices are signalling a moderation in these "tail winds", we are not confonting a reversal ("head winds")



Source: 1920-1986 Dos siglos de economía Argenitna (Orlando Ferreres) y 1986-2013 INDEC

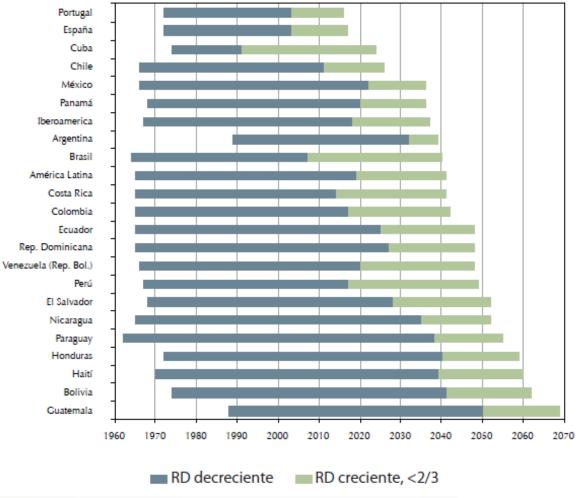


G20 Selected Countries

COUNTRY	BEGINNING	END
-		
Germany	1950	1990
France	1950	1990
Japan	1965	1995
Australia	1965	2010
United State	1970	2015
S. Korea	1985	2020
China	1990	2025
Argentina	1995	2035
Brazil	2000	2035
Mexico	2010	2035
India	2010	2050
South Africa	2015	2065

Source: J. M. Fanelli, "Seminario del Boletín Informativo de Techint", 2011

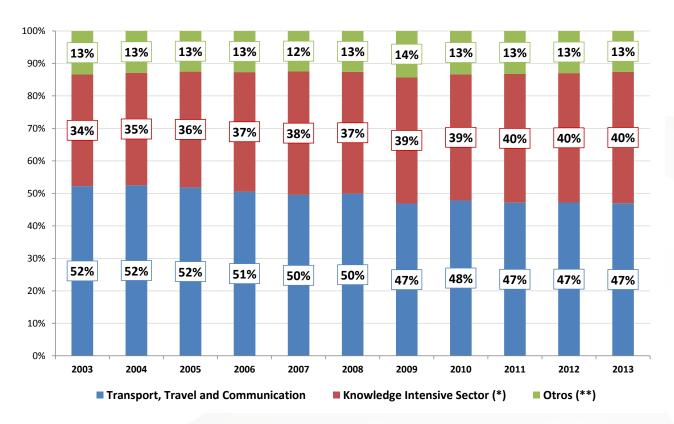
▶ Iberoamerica. Selected countries, 1960-2070



Source: CEPAL 2012. "Juventud y Bono Demográfico en Iberoamérica"

Global Trend

- International trade of Knowledge Intensive Services grew at 11,4% anual average, 1,9 p.p. more than total service trade between 2003-2013, reaching US\$ 1,911,420 millions in 2013
- ➤ Knowledge Intensive Sector share in Total World Services Exports increased from 34% in 2003 to 40% in 2013



Source: Eco-Axis based on UNCTAD and Lopez and Ramos (2013)

(*) Financial Services; Computer and Inforantion; Legal, advertising, consulting, accounting, R&D, etc;

Personal, cultural and recreational services

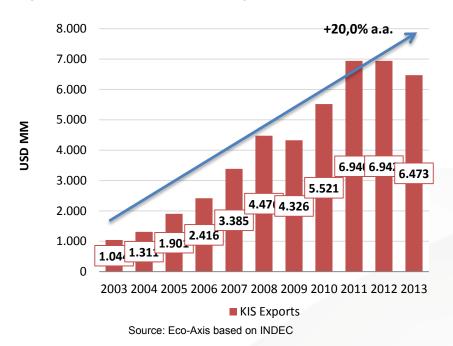
(**) Construction, Insurance, Royalties, Government services. L

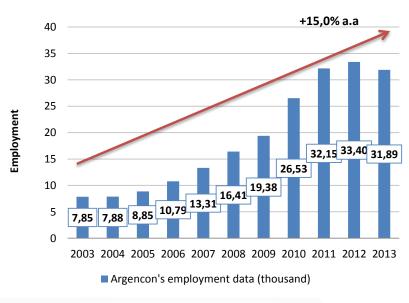


Growth of Knowledge Intensive Services in Argentina

By Beatriz Nofal Eco-Axis

- Sector Growth propelled by exports
- Fast export growth at 20% annual average, reaching USD 6.5 billion in 2013
- An estimate of 120,000 jobs are linked to exports and global delivery. Employment in Argencon affiliated firms grew at 15% annual average between 2003-2013
- ➤ High direct and indirect contribution to employment, diversity and standart of living
- Ratio of exports per person employed increased, which shows increasing complexity of exports and movement up the value chain





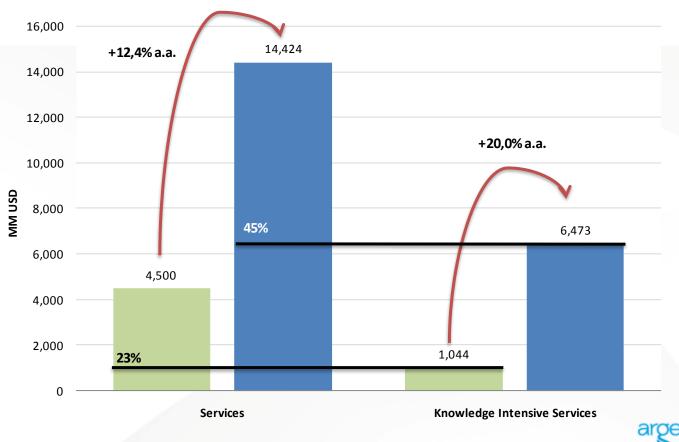
Source: Argencon Survey. López and Ramos 2014

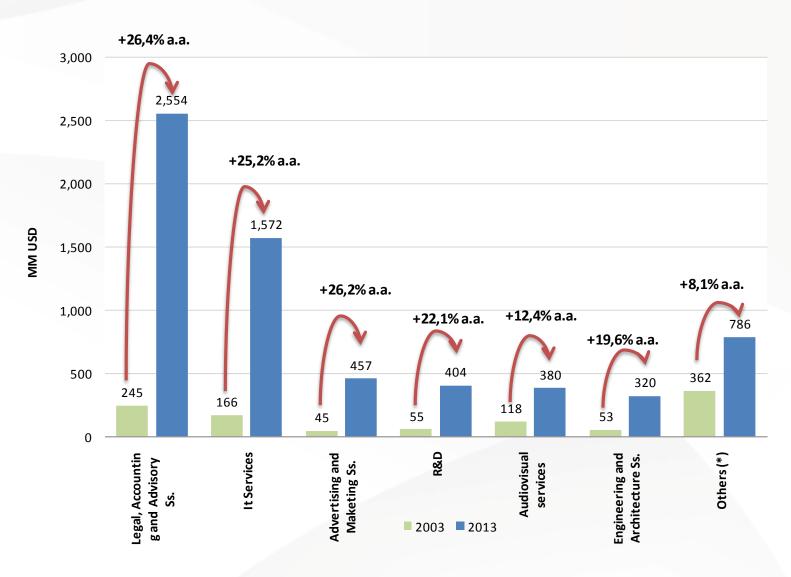


Faster Growth and Growing Share in Services Exports

By Beatriz Nofal Eco-Axis

- Exports of Knowledge Intensive Services grew at 20% anual average, almost 8 p.p. more than total Service exports between 2003-2013
- Consequently, its share increased from **23** % in 2003 to **45**% of Total Service exports in 2013: **USD 6,5 millions**
- ➤ Knowledge Intensive Services exports is almost 8% of Goods exports





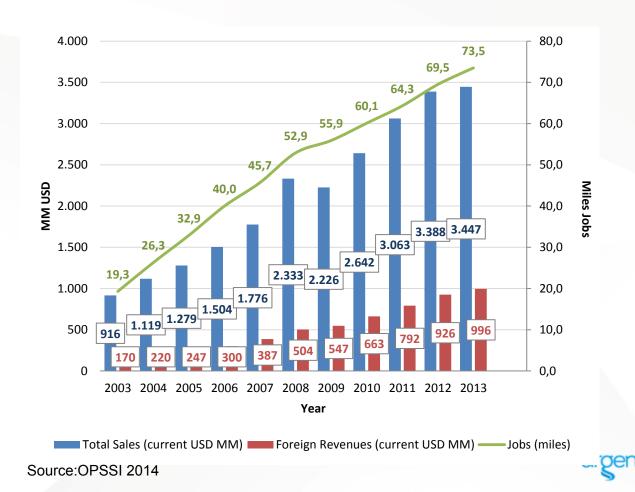
Source: Eco-Axis based on INDEC



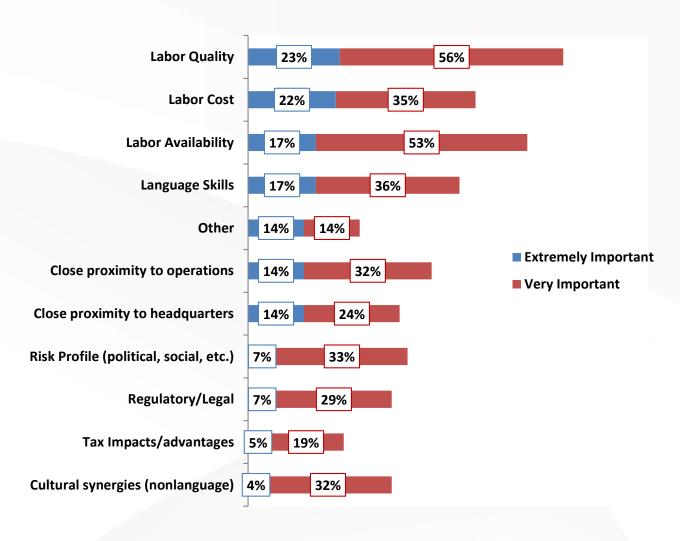
Software and IT Industry: growth driven by innovative firms

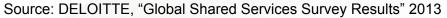
By Beatriz Nofal Eco-Axis

- Sustained export and employment growth
- ➤ Domestic IT-Software market: 2014 slowdown in growth (economic uncertainties, inflation, slowing GDP impacting IT expenditure)



Key Factors







Labor Quality: Education

- ➤ Highly educated labor: High tertiary enrollment (78.6%) and high percentage of Labor with tertiary education (28.6%) compared to LA and the EU average
- ➤ Highest public investment on education (6.2% of GDP) in LA, close to US.
- Education as an equalizing factor: Argentina has one of the best **income distribution** in America according to GINI Index (**42.4**), similar to US at present.

Countries	enrollment, tertiary (% gross) ***	tertiary education (% of total) (****)	on education, total (% of GDP)	GINI
	2011	2000s	2011	2011
United States	95,33	35,25	5.4**	41,10
European Union	65,35	24,68	5,20	30,4 (Eurostat)
China	24,33	-	-	42,1**
LATIN AMERICA	42,10	16,47	4,46	50,10
ARGENTINA	78,63	28,63	6,26	43,60
Brazil	S/D	11,77	5.8**	53,10
Chile	70,52	24,00	4,06	50,80
Costa Rica	44,45	20,09	-	48,60
Mexico	27,69	21,49	5,19	48,1*

Source: Eco-Axis based on World Bank.

^{(*) 2012; (**) 2010; (***)} Gross enrolment ratio. Total enrollment in tertiary education, regardless of age, expressed as a percentage of the total population of the five-year age group following on from secondary school leaving. (****) Average data available



...Education and availability: Talent Pool Key annual data - 2011 By Beatriz Nofal Eco-Axis







1,800,000 Students



109,000 Graduates



11,800 Post-Graduates

7,300 Especialists 2,800 Masters 1,700 PhD



Basic and Applied Sciences:

500,000 Students

25,000 Graduated 861 PhD



Engineers:

270,000 Students

5,400 Graduates

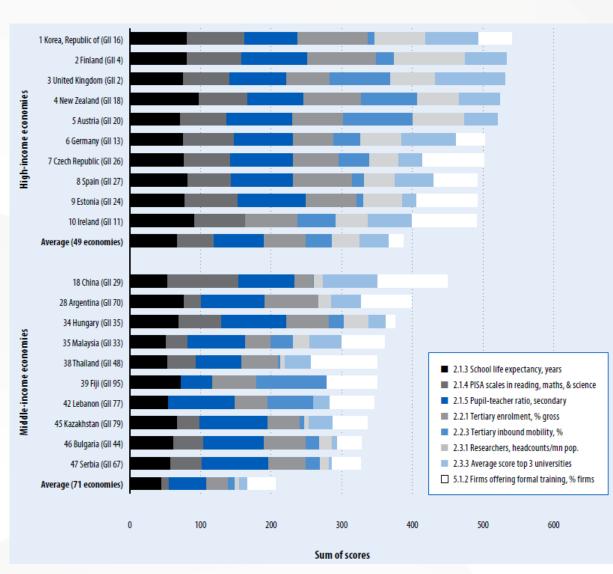


EDUCATION DRIVER OF INNOVATION: GLOBAL INNOVATION INDEX 2014, cornell university, insead, wipo

By Beatriz Nofal Eco-Axis

Education as a human aspect of innovation: Argentina is the 2nd top performer within middle income countries (after China) for the human education factors related to innovation.

- Argentina ranks 70 in the Global Innovation Index (out of 143 countries), and it is fourth in Latin America, below Chile (46), Costa Rica (57) and Brazil (61).
- Argentina's Efficiency ratio of Innovation (0.79) is above the median 0.74.
- ➤ Therefore, it ranks 43 among 143 countries, while China is positioned above in the rank 29 and India below in 76.
- The gap in Argentina's performance is largest in the innovation Input Sub Index in the Institutions factor.



Source: "The Global Innovation Index 2014. The Human Factor in Innovation"



Creativity

Argentina top 10 most awarded country in 15 years

THE GUNN REP RT



A total of 41 countries in the world have been in the top 25 Most Awarded Countries table at least once since 1999

... Creativity

- ➤ The Gunn Report ranking is based on annual international awards obtained on: TV&Cinema, Print, Interactive and Gunns Blazing* creativity
- ➤ Between 2008 and 2012 Argentina was in the top six most awarded countries

Most Awarded Countries in the World

N°	2008	2009	2010	2011	2012	2013
1	US	US	US	US	US	US
2	UK	UK	UK	UK	Australia	Australia
3	Argentina	Argentina	France	Brazil	Japan	UK
4	Germany	Germany	Sweeden	Argentina	Argentina Brazil	Brazil
5	Japan	Japan	Brazil	Germany		France
6			Argentina			

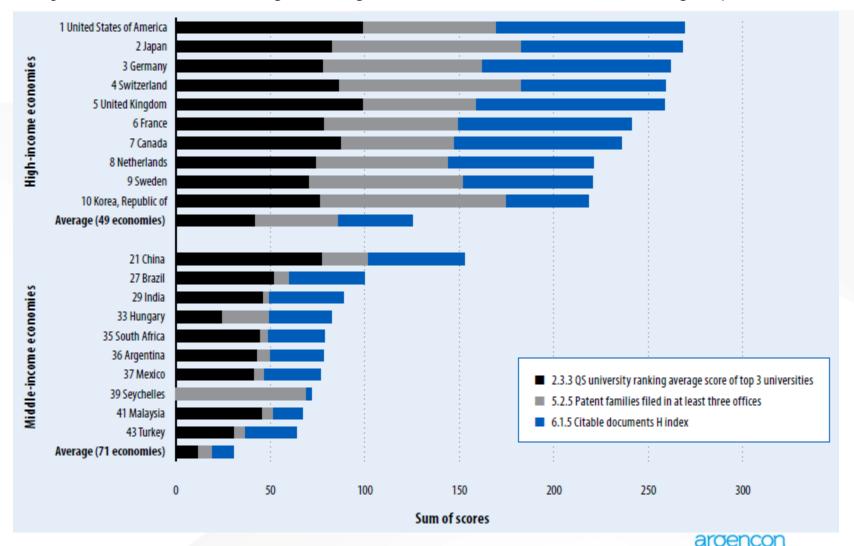
Source: www.thegunreport.com

^(*) Integrated, Mixed Media, Innovative, Content and Contact, Titanium, and other advertising award categories



Quality of Innovation: THE GLOBAL INNOVATION INDEX 2014, CORNELL UNIVERSITY, INSEAD, WIPO By Beatriz Nofal Eco-Axis

Argentina among top performers: ranks 36 out of 143 according to the Metrics for Quality of Innovation, although belongs to the middle income countries group



Source: "The Global Innovation Index 2014. The Human Factor in Innovation"

- Argentina has one of the highest ratio of R&D researchers per million people in Latin America, higher than China
- ➤ Increasing R&D share to 0.65% of GDP in 2011
- ➤ High Tech Exports ratios are still bellow Latin America average
- Argentina has one of the best ICT infraestructure in Latin America, with the highest Internet users and mobile phone penetration.

Countries	R&D (%GDP)	R&D Researchers (per million people)	Royalties/ receipts (USD per capita)	High Tech Exports (% of manufactured exports)	High- technology exports (%GDP)	Internet users (per 100 people)	Mobile cellular subscriptions (per 100 people)	GDP per capita (current US\$)
	2011	2011	2012	2012	2012	2013	2013	2013
United States	2.76	3,978.73	392.82	17.83	0.92	84.20	95.53	53,142.89
European Union	2.04	3,223.82	140.11	15.44	3.83	75.50	123.93	34,243.88
China	1.84	963.20	0.77	26.27	6.14	45.80	88.71	6,807.43
LATIN AMERICA	0.83	538.13*	1.72	11.05	1.02**	46.72	114.53	10,004.04
ARGENTINA	0.65	1,235.98	3.89	7.70	0.32	59.90	159.03	14,760.20
Brazil	1.21	710.27*	2.55	10.49	0.39	51.60	135.31	11,208.08
Chile	0.42*	317.18*	4.28	4.64	0.19	66.50	134.28	15,732.31
Costa Rica	0.48	1,289.03	0.90	39.61	5.99	45.96	145.97	10,184.61
Mexico	0.43	386.43	0.78	16.33	3.71	43.46	85.84	10,307.28

(*) 2010

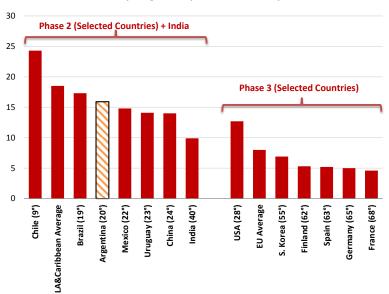
(**) 2011

Source: Eco-Axis based on World Bank



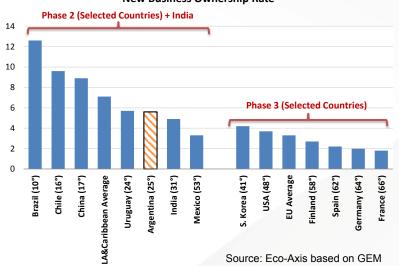
Global Entrepreneurship Monitor

Total early-stage Entrepreneurial Activity (TEA)

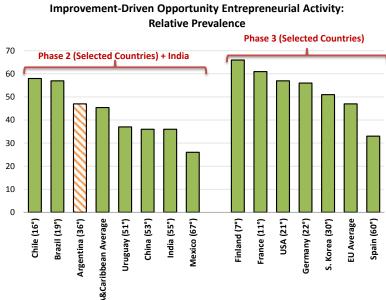


Global Entrepreneurship Monitor

New Business Ownership Rate



Global Entrepreneurship Monitor



- **GEM** evaluates **70 countries**, divided in three groups according to development phases: i) **Phase 1**: Factor-driven economy (i.e.: India); ii) **Phase 2**: Efficiency-driven economy (i.e. Argentina); iii) **Phase 3**: Innovation-driven economy (i.e. United States).
- **Total early-stage Entrepreneurial Activity (TEA):** Percentage of 18-64 population who are either a nascent entrepreneur or owner-manager of a new business, i.e., owning and managing a running business that has paid salaries, wages, or any other payments to the owners for more than 3 months, but not more than 42 months
- New Business Ownership Rate: Percentage of 18-64 population who are currently a owner-manager of a new business
- Prevalence. Percentage of those involved in TEA who (i) claim to be driven by opportunity as opposed to finding no other option for work; and (ii) who indicate the main driver for being involved in this opportunity is being independent or increasing their income, rather than just maintaining their income



...successfull cases: Globant and Mercado Libre

By Beatriz Nofal Eco-Axis

Globant, Mercado Libre, YPF, Dow Jones Index and NASDAQ Index

3 months – Google Finance 10-31-2014



3 months variation

NASDAQ: +5.86%

Dow: +4.82%

YPF: -4.29%

MELI: +48.14%

GLOB: +14.58%

•				
NYSE: October 10th 2014	Globant: GLOB	Mercado Libre: MELI	YPF: YPF	
Market Capital (USD Billions)	0.45	5.15	20.39	
Share Price	13.01	138.0	34.16	
Average Volume	60.834	576.491	1.800.000	
P/E	N/A	81.55	14.72	
β	N/A	1.82	1.31	

Source: www.google.com/finance

Labor Cost

- Argentina has a competitive position in skilled labor costs compared to our immediate competitors in the region, Brazil and Chile, though labor costs have increased in the last decade.
- In language skills Argentina shows the 2nd best TOEFL qualifications in LA

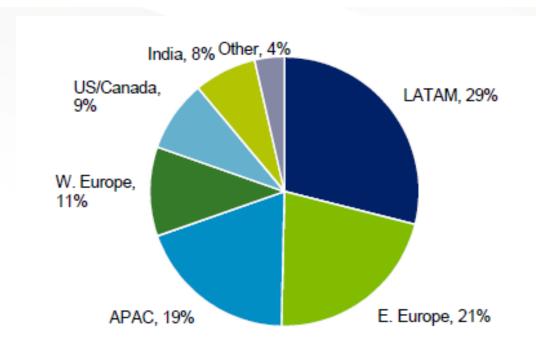
	Wage Average						Lenguage Skills
Country	Engineer. 2-3 years of experience (U\$S/mes)	Advanced Programmer (U\$S/mes)	Animation Programmer (U\$S)	Graphic Designer. 2-3 years of experience (U\$S/mes)	Advertiser. 2-3 years of experience (U\$S/mes)	Accountant. 2-3 years of experience (U\$S/mes)	TOEFL Average Qualifications
Argentina	1.964,00	1.952,66	1.232,26	906,34	1.084,50	1.244,11	93
Brasil	3.088,27	-	1.802,65	1.548,00	1.493,00	1.661,92	84
Chile	2.352,06	1.866,67	618,08	643,87	882,95	775,00	85
Colombia	1.090,14	2.110,81	992,83	995,68	1.171,26	1.122,20	81
Costa Rica	1.509,19	1.899,35	1.449,38	949,60	1.099,53	1.328,01	93
México	716,68	1.804,00	499,96	513,25	535,06	-	86
Perú	1.750,31	1.454,71	924,63	496,54	496,54	875,15	86
Uruguay	2.382,74	2.039,77	608,71	956,70	914,58	1.937,48	95
							_
Filipinas	474,88	683,00	1.187,21	593,60	514,46	538,00	89
India	688,86	321,37	971,18	351,00	382,00	320,36	91
República Checa	3.170,00	2.144,00	1.935,10	1.083,00	1.242,00	1.339,00	92

Source: Asociación Latinoamericana de Exportadores de Servicios (ALES)



Location attractiveness

- According to DELOITTE'S 2013 "Global Shared Services Survey Results" Latin America is the region best considered for new centers on shared services or relocations (29% of total survey responses), followed by Eastern Europe.
- ➤ Brazil is the top country in Latin America, moved from 2% in 2011 to 11% of preferences in 2013 and is followed by Mexico and Argentina.
- Also Brazil's internal demand in this sector is mainly serviced domestically (48%), from Argentina (12%) and from USA (9%).



Source: DELOITTE, "Global Shared Services Survey Results" 2013



Looking Forward

- ➤ Revival of demand in US and Europe is driving global KIS export growth
- > Argentina can be established as a regional/global hub and innovation
- The sector is helping transform Argentina into a diversified knowledge based economy and is putting the country in the global map.
- Argencon's projections show that exports can grow 100 % to 125% in the next 5/10 years, and increase 10,000 million dollars of additional exports.
- ➤ This would add and estimate of 150,000 new direct jobs in the sector.
- ➤ Projections are based on the asssumptions of: sustained world demand, the existing talent pool, and an estimated growth rate of one third of the last ten years average,
- ➤ Higher rates of export growth can be obtained by increases in productivity (US\$/per employee) focusing on value creation and innovation
- The main challenge in the short to medium term is aligning the strategies, policies and actions of the main stakeholders (the private sector, the national and local governments) with this vision
- The main challenge in the long term is the sustainability of talent.



Looking Forward

In what follows we will learn from successful cases: from corporate innovation, to innovative entrepreneurs and talent stories.

They speak about successful and inspiring trajectories beyond the borders

They also showcase an optimistic outlook of Argentina's global service delivery capabilities and prospects

Thank You!



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