

CORUM ECONOMIC INDICATORS



OKA

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MIDDLE BLACK SEA DEVELOPMENT AGENCY



GDP RANKING

GDP - 2017

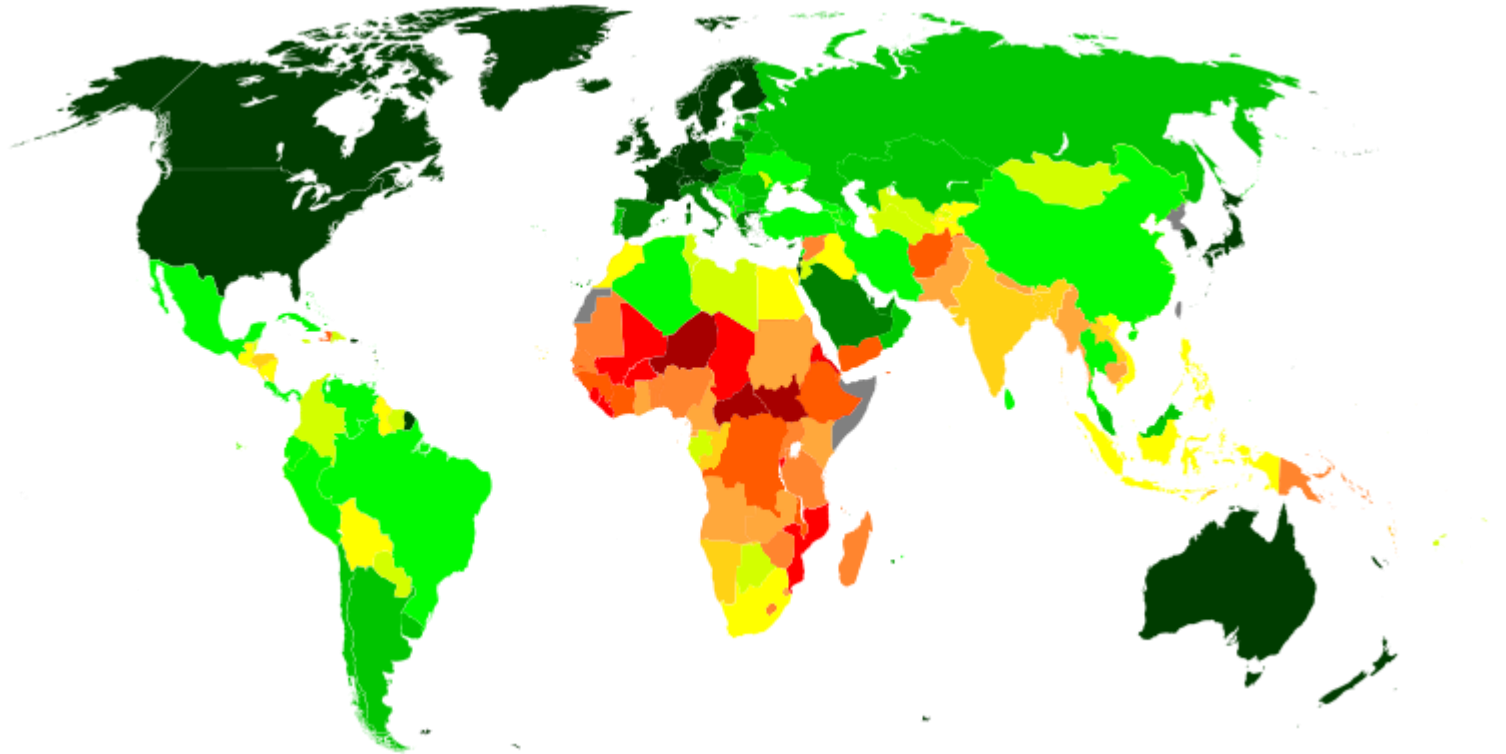
<i>Ranking</i>	<i>Country</i>	<i>Milion, \$</i>
1	United States	19.390.604
2	China	12.237.700
3	Japan	4.872.137
4	Germany	3.677.439
5	United Kingdom	2.622.434
6	India	2.597.491
7	France	2.582.501
8	Brazil	2.055.506
9	Italy	1.934.798
10	Canada	1.653.043
11	Russian Federation	1.577.524
12	Korea, Rep.	1.530.751
13	Australia	1.323.421
14	Spain	1.311.320
15	Mexico	1.149.919
16	Indonesia	1.015.539
17	Turkey	851.102
18	Netherlands	826.200
19	Saudi Arabia	683.827
20	Switzerland	678.887
	World	80.683.787

GDP per capita income TR

PPP rank	2014		2030		2050	
	Country	GDP at PPP (2014 US\$bn)	Country	Projected GDP at PPP (2014 US\$bn)	Country	Projected GDP at PPP (2014 US\$bn)
1	China	17,632	China	36,112	China	61,079
2	United States	17,416	United States	25,451	India	42,205
3	India	7,277	India	17,138	United States	41,384
4	Japan	4,788	Japan	6,006	Indonesia	12,210
5	Germany	3,621	Indonesia	5,486	Brazil	9,164
6	Russia	3,559	Brazil	4,996	Mexico	8,014
7	Brazil	3,073	Russia	4,854	Japan	7,914
8	France	2,587	Germany	4,590	Russia	7,575
9	Indonesia	2,554	Mexico	3,985	Nigeria	7,345
10	United Kingdom	2,435	United Kingdom	3,586	Germany	6,338
11	Mexico	2,143	France	3,418	United Kingdom	5,744
12	Italy	2,066	Saudi Arabia	3,212	Saudi Arabia	5,488
13	South Korea	1,790	South Korea	2,818	France	5,207
14	Saudi Arabia	1,790	Turkey	2,714	Turkey	5,102
15	Canada	1,579	Italy	2,591	Pakistan	4,253
16	Spain	1,534	Nigeria	2,566	Egypt	4,239
17	Turkey	1,512	Canada	2,219	South Korea	4,142
18	Iran	1,284	Spain	2,175	Italy	3,617
19	Australia	1,100	Iran	1,914	Canada	3,583
20	Nigeria	1,058	Egypt	1,854	Philippines	3,516
21	Thailand	990	Thailand	1,847	Thailand	3,510
22	Egypt	945	Pakistan	1,832	Vietnam	3,430
23	Poland	941	Australia	1,707	Bangladesh	3,367
24	Argentina	927	Malaysia	1,554	Malaysia	3,327
25	Pakistan	884	Poland	1,515	Iran	3,224
26	Netherlands	798	Philippines	1,508	Spain	3,099
27	Malaysia	747	Argentina	1,362	South Africa	3,026
28	Philippines	695	Vietnam	1,313	Australia	2,903
29	South Africa	683	Bangladesh	1,291	Colombia	2,785
30	Colombia	642	Colombia	1,255	Argentina	2,455
31	Bangladesh	536	South Africa	1,249	Poland	2,422
32	Vietnam	509	Netherlands	1,066	Netherlands	1,581

Source: IMF WEO database (October 2014) for 2014 estimates, PwC projections for 2030 and 2050

Human Development Index (HDI)



Human Development Index (HDI)

World map of countries by Human Development Index categories in increments of 0.050 (based on 2017 data, published on 14 September 2018).

Dark Green	Yellow	Red
≥ 0.900	0.650–0.699	0.400–0.449
Green	Orange	Dark Red
0.850–0.899	0.600–0.649	≤ 0.399
Light Green	Light Orange	Grey
0.800–0.849	0.550–0.599	Data unavailable
Bright Green	Orange	
0.750–0.799	0.500–0.549	
Yellow-Green	Dark Orange	
0.700–0.749	0.450–0.499	

DIMENSIONS

Long and healthy life

Knowledge

A decent standard of living

INDICATORS

Life expectancy at birth

Expected years of schooling
Mean years of schooling

GNI per capita (PPP \$)

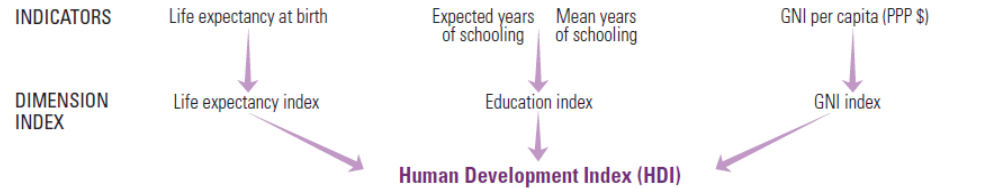
DIMENSION INDEX

Life expectancy index

Education index

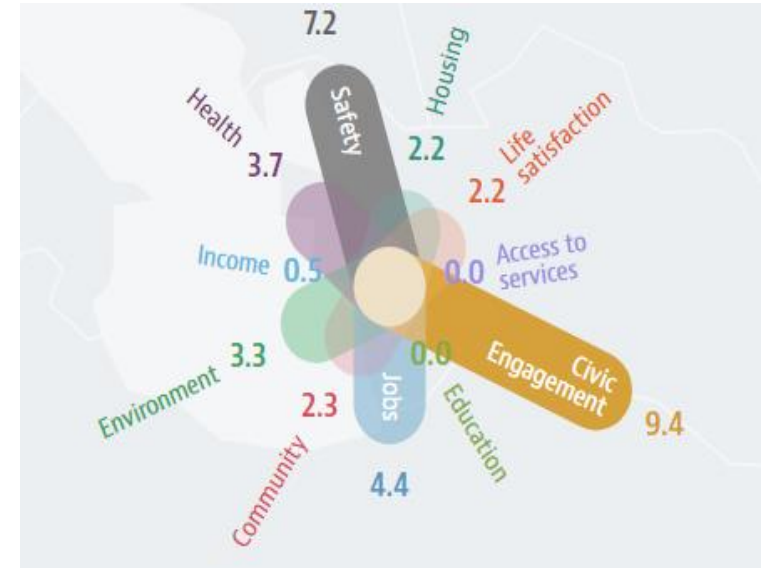
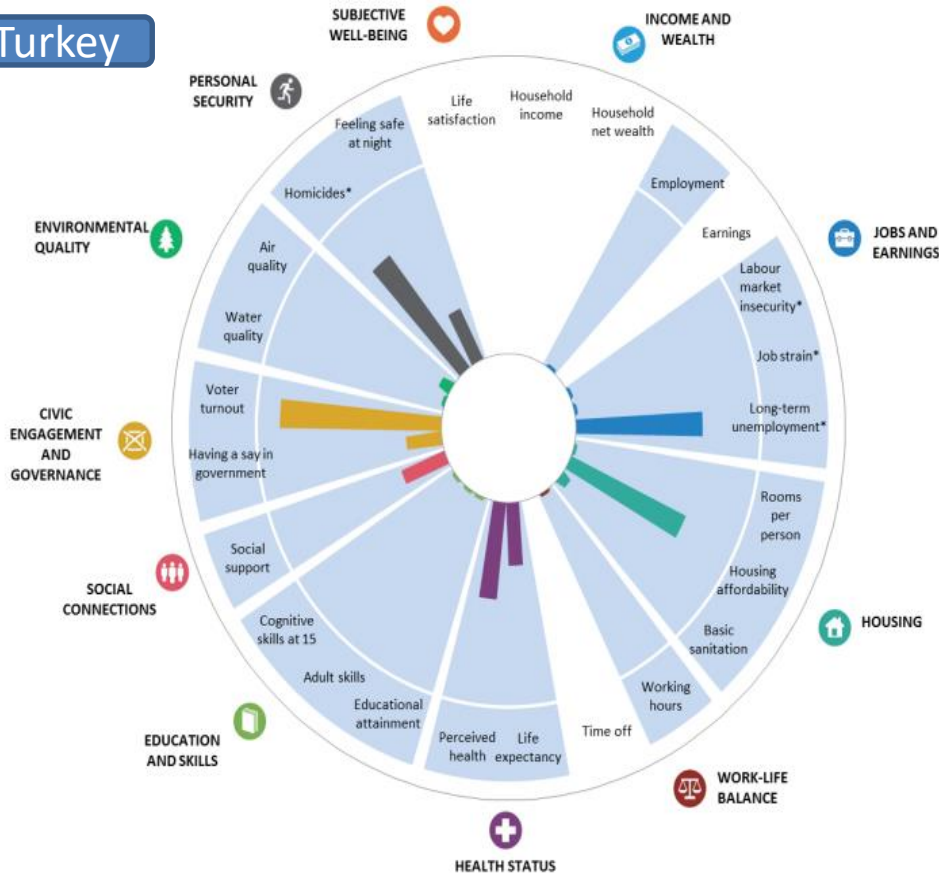
GNI index

Human Development Index (HDI)



OECD Better Life Index

Turkey

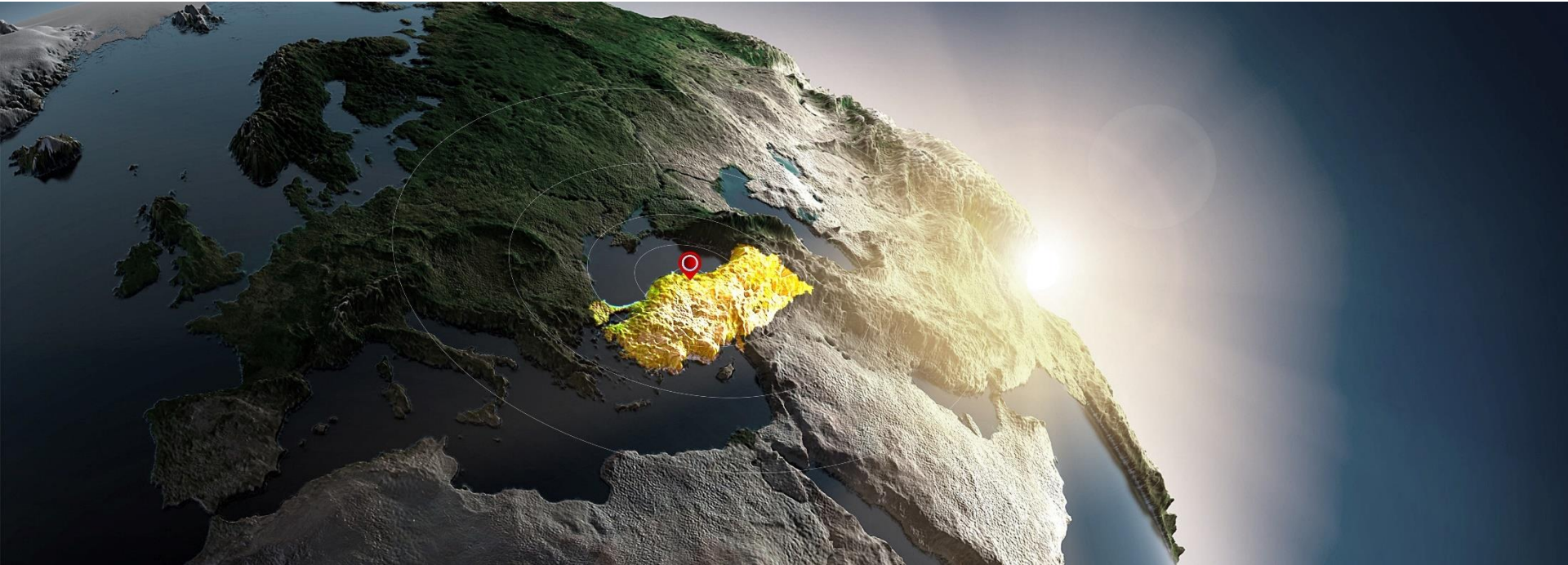


TR83

OECD, November 2017.

Income Distribution – Gini





Middle Black Sea Region?

Corum?

Corum General Information

	Year	CORUM	TURKEY	Share
Population	2018	536.483	82.003.882	0,6%
Urban Population Ratio	2018	73,7 %	92,3 %	-
Population Density (People/ Km ²)	2018	42	107	41.
Number of firms	2018*	8.759	1.879.753	0,5 %
Number of compulsory insured worker	2018*	60.042	14.448.590	0,4 %
Export	2018 (Million \$)	\$ 742	\$ 168.023	0,4%
Import	2018 (Million \$)	\$ 515	\$ 223.039	0,2 %



(*) Source: Ministry of Commerce, TURKSTAT, SSI, Nov. 2018

TR83- Corum GDP

Gross Domestic Product (GDP) – Billion TL														
	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Turkey	577,02	673,7	789,23	880,46	994,78	999,19	1160,01	1394,48	1569,67	1809,71	2044,47	2338,65	2608,53	3106,54
TR83	15,03	17,28	19,8	21,42	25,24	25,47	29,58	34	38,39	43,16	47,91	55,39	60,68	69,99
Share (%)	2,61	2,56	2,51	2,43	2,54	2,55	2,55	2,44	2,45	2,39	2,34	2,37	2,33	2,25
	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Corum	3,12	3,47	3,85	4,2	4,99	5	5,94	6,76	7,27	8,12	9,04	10,22	11,37	13,15
Corum/TR83 Share (%)	20,76	20,08	19,44	19,61	19,77	19,63	20,08	19,88	18,94	18,81	18,87	18,45	18,73	18,78
Corum / TR Share (%)	0,54	0,52	0,49	0,48	0,50	0,50	0,51	0,48	0,46	0,45	0,44	0,44	0,44	0,42

TR 83 Provinces – Turkey Ranking, 2017

Samsun: 18

Corum: 38

Tokat: 43

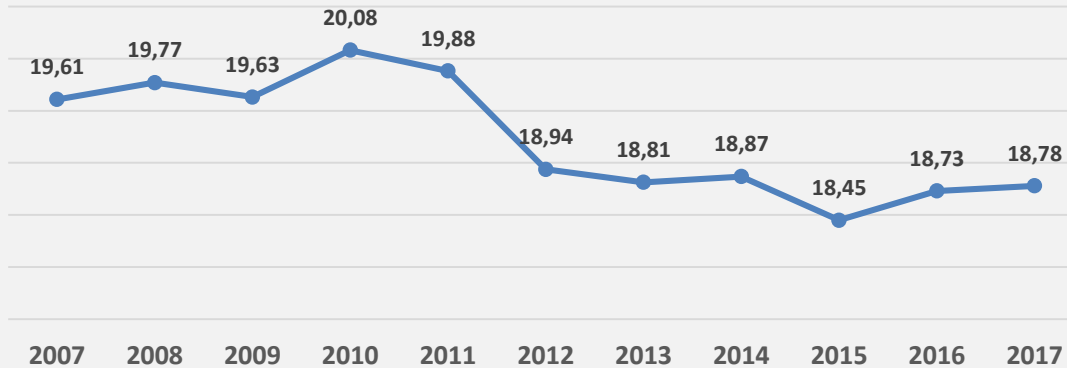
Amasya: 56

2017	GDP per capita income (\$)	Province/ TR
AMASYA	7.623	71,90%
CORUM	6.824	64,37%
SAMSUN	7.475	70,51%
TOKAT	5.529	52,15%
TR83	6.944	65,50%
TURKEY	10.602	

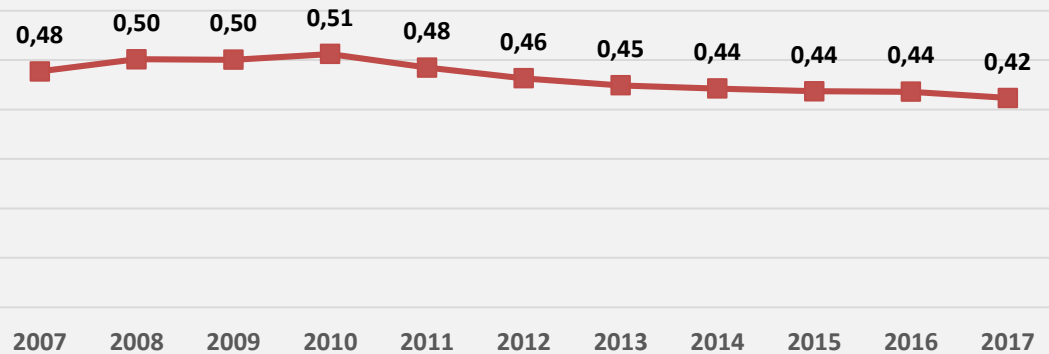
2017	GDP (million TL)	Province/ TR
AMASYA	9,12	0,29%
CORUM	13,15	0,42%
SAMSUN	35,57	1,15%
TOKAT	12,15	0,39%
TR83	69,99	2,25%
TURKEY	3.106,54	

Corum GDP

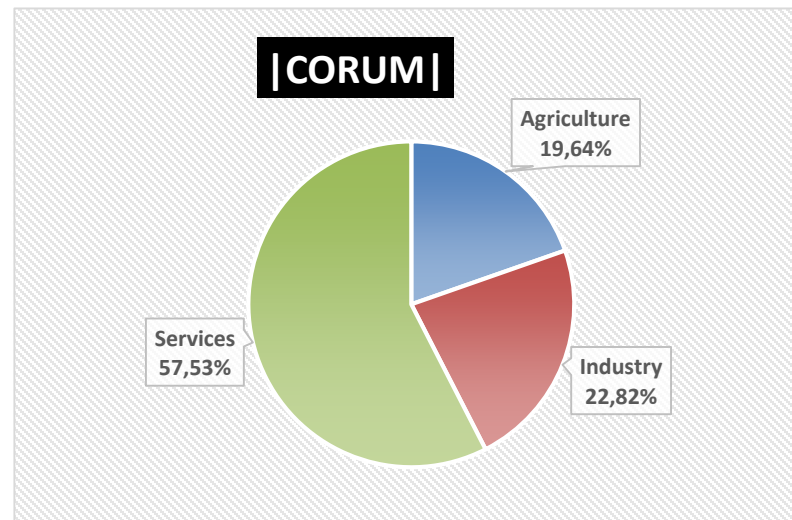
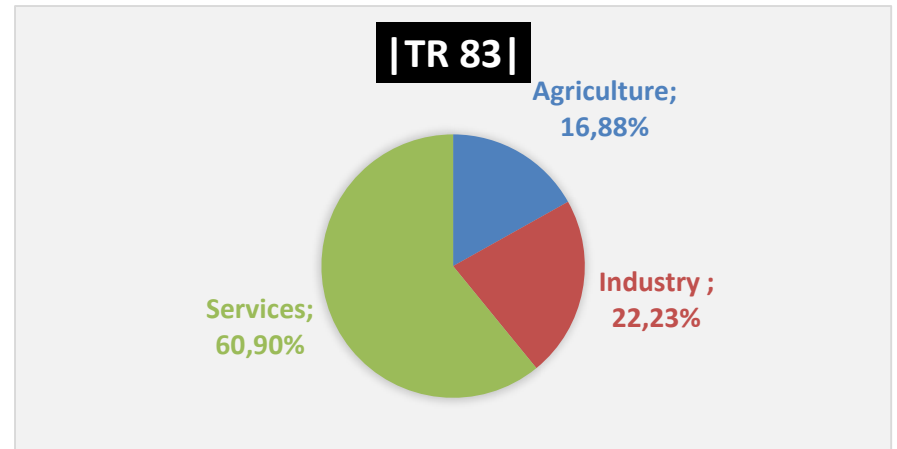
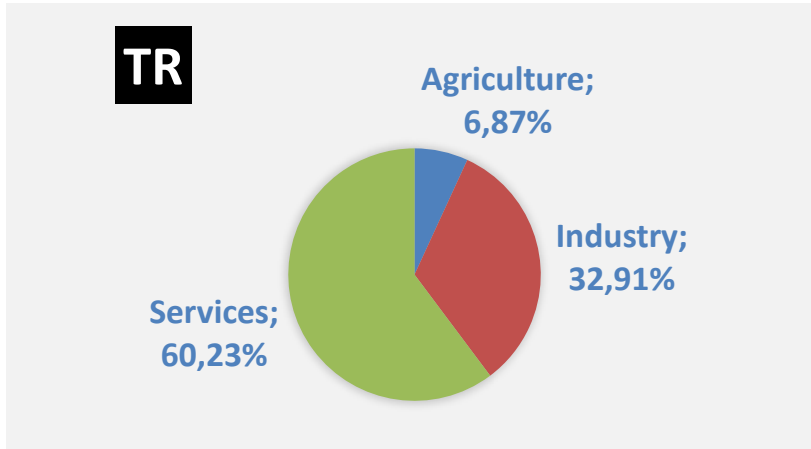
The Share of Corum in TR83 Region (GDP, %)



The Share of Corum in TR (GDP, %)



GDP Sectorial Distribution



Employment

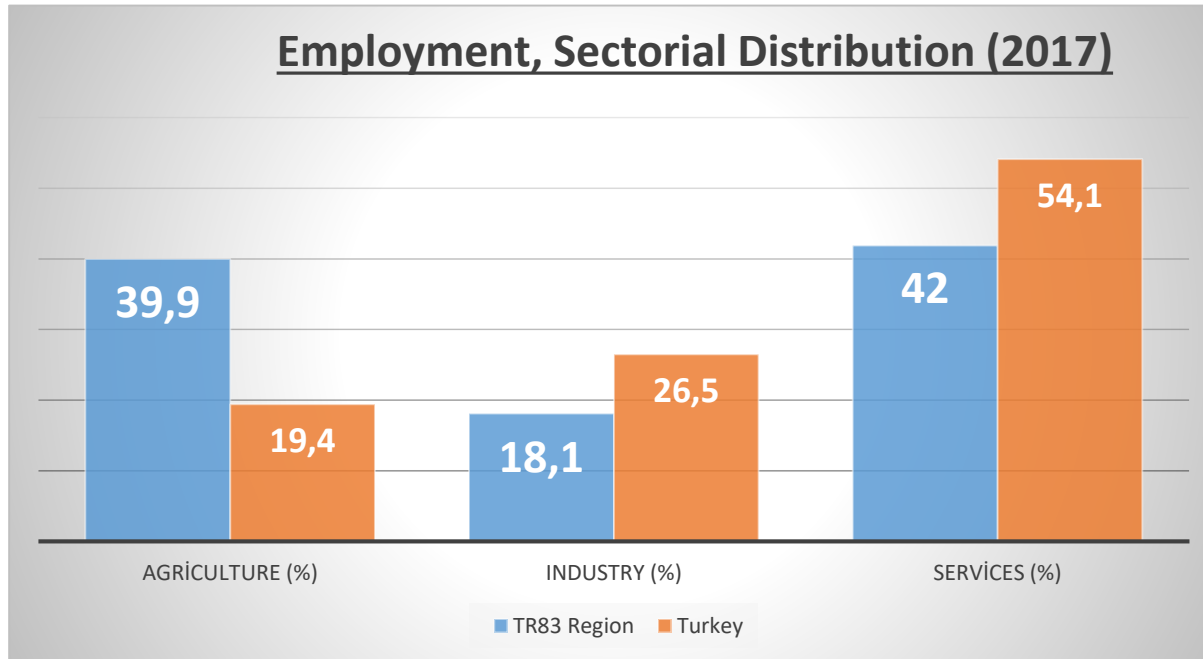
Unemployment Rate (2017)

TR83 Region	6,7%
TR	10,9%

Corum Employment (2013)

	Labor Force Participation Rate	Employment Rate	Unemployment Rate
Turkey	48,3%	43,9%	9,7%
Corum	52%	48,9%	5,9%

Employment, Sectorial Distribution (2017)



Number of Firms and Employment

Firms in Trade Registry (January, 2019)

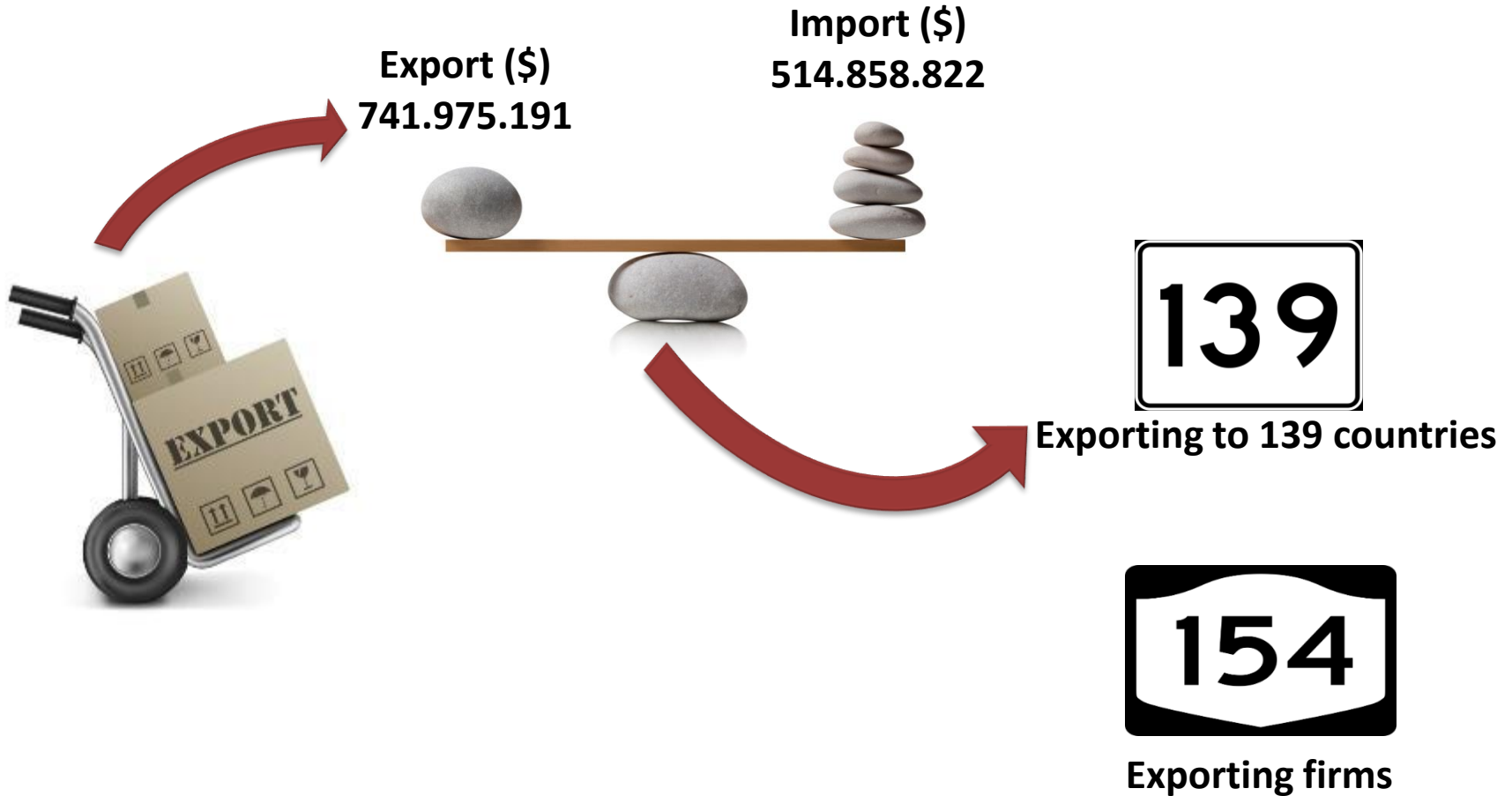
FIRM TYPE	NUMBER OF ESTABLISHED FIRMS	NUMBER OF CLOSED-DOWN FIRMS	ACTIVE FIRMS IN CORUM	ACTIVE FIRMS IN TR83	ACTIVE FIRMS IN TR	CORUM'S SHARE IN TR83	CORUM'S SHARE IN TR
INCORPORATION	651	219	432	1614	128.534	26,77	0,34
GENERAL PARTNERSHIP	53	42	11	161	10.730	6,83	0,10
LIMITED PARTNERSHIP				253	1.781	0,00	0,00
COOPERATIVES	857	526	331	1356	35.690	24,41	0,93
L.L.C.	4050	1091	2959	14630	796.935	20,23	0,37
BRANCHES	1594	665	929	5463	201.321	17,01	0,46
COMMERCIAL ENTERPRISES	6626	3695	2931	16988	724.772	17,25	0,40

NUMBER OF FACILITIES, EMPLOYEES AND PRODUCT RANGE IN CORUM MANUFACTURING INDUSTRY

BRANCH OF INDUSTRY	NUMBER OF FACILITIES	NUMBER OF EMPLOYEES	PRODUCT RANGE
Stone and Earth Based Industry	146	4.952	Marble, construction chemicals, tile, brick, ceramic
Metal and Machine Based Industry	289	3.929	Food processing machinery
Textile and Footwear Industry	52	3.699	Clothing, shoe
Food and Beverage Industry	249	2.910	Flour and bakery products, rice, nuts
Forest Products and Tree Based Industry	286	1.253	Home furniture, door and window
Chemical and Plastic Industry	93	808	PVC, glass & insulation, plastic and plastic products
Paper Industry	26	795	Packaging, food packaging, corrugated cardboards
Other Industrial Products	33	528	Jewellery
TOTAL	1.174	18.874	

Data Source: Industrial Register Information System, 2018 Year-End Data

Foreign Trade (Corum, 2018)



Foreign Trade (Corum, 2018)

Table: Export by Years in Corum (Million \$)

YEAR	EXPORT	RATE OF CHANGE (EXPORT)	IMPORT	RATE OF CHANGE (IMPORT)	BALANCE OF TRADE	FOREIGN TRADE VOLUME	RATE OF EXPORTS MEETING IMPORTS
2002	26,3		10,2		16,1	36,5	257,0%
2015	338,3		291,6		46,7	630,0	116,0%
2016	201,0	-40,6%	216,8	-25,7%	-15,8	417,8	92,7%
2017	170,7	-15,1%	214,8	-0,9%	-44,1	385,5	79,5%
2018	742,0	334,6%	514,9	139,7%	227,1	1.256,8	144,1%

	2002	2018
Export (Million \$)	\$ 26	\$ 742
Import (Million \$)	\$ 10	\$ 515
Exporting countries/ Customs area	56	139
Importing countries / Customs area	44	72

Foreign Trade (million \$)		
	EXPORT	IMPORT
Turkey	167.945	223.046
TR83	1.505	1.413
Corum	742,0	514,9
TR83/TR Rate (%)	0,90	0,63
Corum/TR83 Rate (%)	49,30	36,44
Corum/TR Rate (%)	0,44	0,23

Source: Ministry of Trade and TURKSTAT

TR 83 R&D CENTERS



Name of R&D Center	Sector	Province	Issue Date
Alapala Makina Gıda San. ve Tic. A.Ş.	Machinery and Equipment Manufacturing	Corum	12 02 2019
Borsan Kablo Elektrik Aydınlatma İnşaat San. ve Tic. A.Ş.	Electrics-Electronics	Samsun	29 11 2018
Çağıl Makina San. Ve Tic. A.Ş.	Machinery and Equipment Manufacturing	Corum	05 06 2018
Samsun Yurt Savunma San. Ve Tic. A.ş.	Defence Industry	Samsun	04 01 2018
Fabio Hava Süspansiyon Sistemleri ve Yedek Parçaları San. ve Tic. A.Ş.	Automotive supply industry	Samsun	20 09 2017
Silverline Endüstri ve Ticaret A.Ş.	Consumer durable goods	Amasya	11 09 2017
Ece Banyo Gereçleri San. ve Tic. A.Ş.	Glass and Ceramic Products	Corum	14 05 2015
Sampa Otomotiv San. ve Tic. A.Ş.	Automotive supply industry	Samsun	08 10 2013

As of May 2019, there are 3 R&D Centers in Corum, 8 centers in TR83 Region and 1133 R&D Centers in Turkey.

R&D and Innovation Capacity (2009-2018)

In the last 10 years...

PATENT	Number of Application	Registered Patents
TR	51788	13758
TR83	559	87
CORUM	158	24
TR83 / TR (%)	1,08	0,63
CORUM / TR83 (%)	28,26	27,59
CORUM / TR (%)	0,31	0,17

TRADEMARK	Number of Application	Registered Trademarks
TR	926671	615853
TR83	10283	6613
CORUM	1954	1313
TR83 / TR (%)	1,11	1,07
CORUM / TR83 (%)	19,00	19,85
CORUM / TR (%)	0,21	0,21

UTILITY MODEL	Number of Application	Registered Utility Model
TR	32526	20183
TR83	419	236
CORUM	96	68
TR83 / TR (%)	1,29	1,17
CORUM / TR83 (%)	22,91	28,81
CORUM / TR (%)	0,30	0,34

DESIGN	Number of Application	Registered Designs
TR	368405	355302
TR83	1851	1765
CORUM	368	401
TR83 / TR (%)	0,50	0,50
CORUM / TR83 (%)	19,88	22,72
CORUM / TR (%)	0,10	0,11

PATENT APPLICATION											
	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2009-2018
Turkey	2588	3250	4087	4543	4528	4861	5512	6445	8625	7349	51788
TR83	17	33	36	96	45	64	63	58	67	80	559
Corum	3	12	11	13	15	15	24	26	23	16	158
TR83/TR Rate (%)	0,66	1,02	0,88	2,11	0,99	1,32	1,14	0,90	0,78	1,09	1,08
Corum/TR83 Rate (%)	17,65	36,36	30,56	13,54	33,33	23,44	38,10	44,83	34,33	20,00	28,26
Corum/TR Rate (%)	0,12	0,37	0,27	0,29	0,33	0,31	0,44	0,40	0,27	0,22	0,31

REGISTERED PATENTS											
	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2009-2018
Turkey	456	642	847	1025	1244	1251	1730	1794	1964	2805	13758
TR83	2	3	7	7	11	10	10	15	5	17	87
Corum	0	1	3	3	5	4	2	1	0	5	24
TR83/TR Rate (%)	0,44	0,47	0,83	0,68	0,88	0,80	0,58	0,84	0,25	0,61	0,63
Corum/TR83 Rate (%)	0,00	33,33	42,86	42,86	45,45	40,00	20,00	6,67	0,00	29,41	27,59
Corum/TR Rate (%)	0,00	0,16	0,35	0,29	0,40	0,32	0,12	0,06	0,00	0,18	0,17

In the last 10 years...

Corum is ranked as 26th at **Patent Application** (158 patent application in total)

28th rank at **Patent Registration** with its 24 Registered Patents

(Ranked 1st in TR83 Provinces)

Utility Model

UTILITY MODEL APPLICATION

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2009-2018
Turkey	2842	2994	3175	3725	3454	3474	3451	3457	3256	2698	32526
TR83	33	43	43	50	50	37	32	55	43	33	419
Corum	8	11	9	16	17	13	3	8	5	6	96
TR83/TR Rate (%)	1,16	1,44	1,35	1,34	1,45	1,07	0,93	1,59	1,32	1,22	1,29
Corum/TR83 Rate (%)	24,24	25,58	20,93	32,00	34,00	35,14	9,38	14,55	11,63	18,18	22,91
Corum/TR Rate (%)	0,28	0,37	0,28	0,43	0,49	0,37	0,09	0,23	0,15	0,22	0,30

REGISTERED UTILITY MODEL

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2009-2018
Turkey	2151	2022	1948	2245	1997	2471	2681	2347	2014	307	20183
TR83	26	29	27	32	31	23	27	16	24	1	236
Corum	11	6	8	9	12	6	11	1	3	1	68
TR83/TR Rate (%)	1,21	1,43	1,39	1,43	1,55	0,93	1,01	0,68	1,19	0,33	1,17
Corum/TR83 Rate (%)	42,31	20,69	29,63	28,13	38,71	26,09	40,74	6,25	12,50	100,00	28,81
Corum/TR Rate (%)	0,51	0,30	0,41	0,40	0,60	0,24	0,41	0,04	0,15	0,33	0,34

Trademark

TRADEMARK APPLICATION

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2009-2018
Turkey	59838	73142	103747	97311	93305	97142	95962	94575	106099	105550	926671
TR83	654	778	1148	1149	1095	945	1026	983	1238	1267	10283
Corum	136	129	251	222	257	182	184	198	206	189	1954
TR83/TR Rate (%)	1,09	1,06	1,11	1,18	1,17	0,97	1,07	1,04	1,17	1,20	1,11
Corum/TR83 Rate (%)	20,80	16,58	21,86	19,32	23,47	19,26	17,93	20,14	16,64	14,92	19,00
Corum/TR Rate (%)	0,23	0,18	0,24	0,23	0,28	0,19	0,19	0,21	0,19	0,18	0,21

REGISTERED TRADEMARKS

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2009-2018
Turkey	41414	32397	35858	52386	68391	72326	70111	83665	77394	81911	615853
TR83	521	362	395	559	714	786	650	895	789	942	6613
Corum	90	79	71	113	137	199	141	166	164	153	1313
TR83/TR Rate (%)	1,26	1,12	1,10	1,07	1,04	1,09	0,93	1,07	1,02	1,15	1,07
Corum/TR83 Rate (%)	17,27	21,82	17,97	20,21	19,19	25,32	21,69	18,55	20,79	16,24	19,85
Corum/TR Rate (%)	0,22	0,24	0,20	0,22	0,20	0,28	0,20	0,20	0,21	0,19	0,21

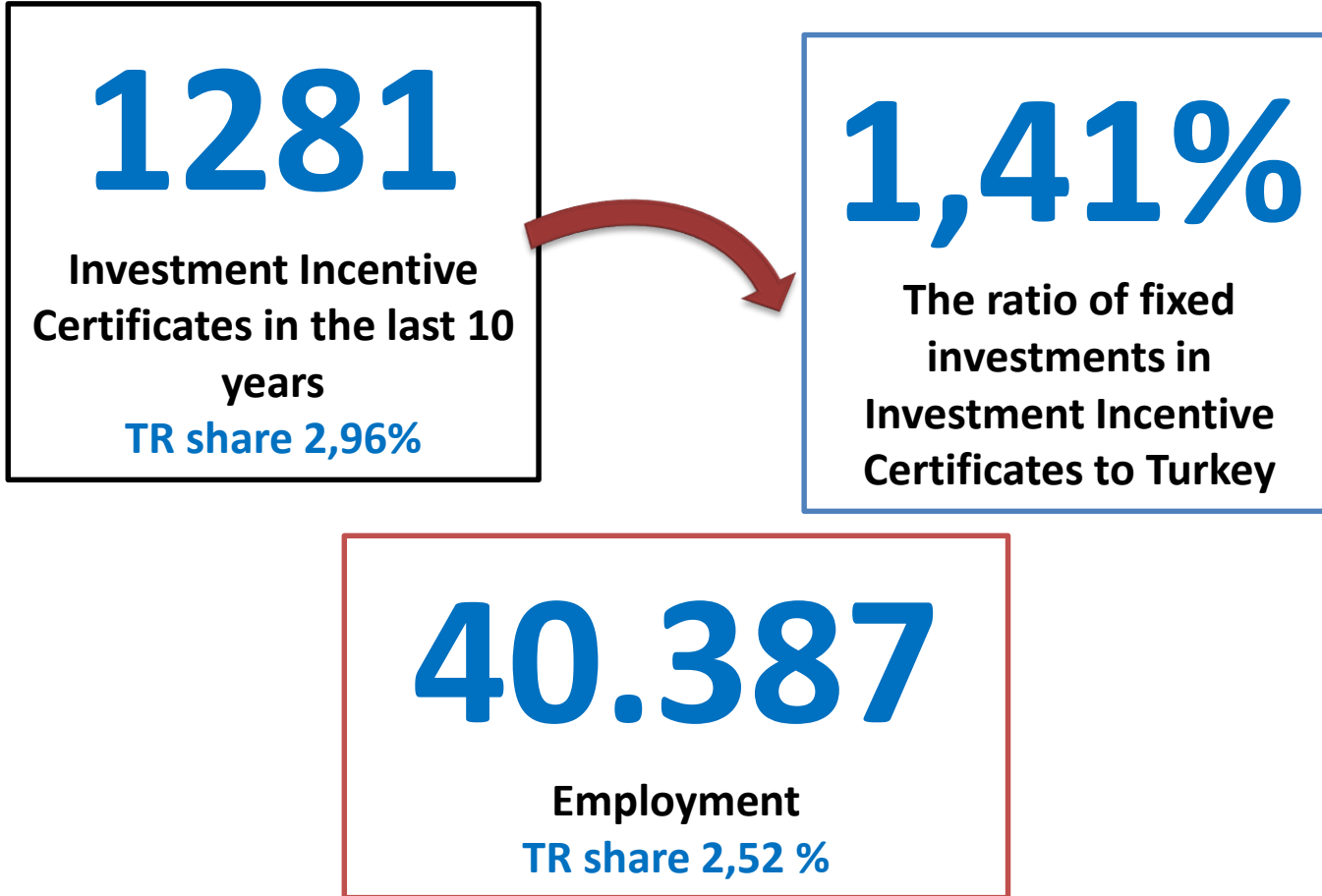
DESIGN APPLICATION

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2009-2018
Turkey	26277	29467	35453	39890	43654	41179	38665	39294	39172	35354	368405
TR83	89	96	229	249	173	208	304	157	189	157	1851
Corum	14	10	7	117	45	76	41	25	10	23	368
TR83/TR Rate (%)	0,34	0,33	0,65	0,62	0,40	0,51	0,79	0,40	0,48	0,44	0,50
Corum/TR83 Rate (%)	15,73	10,42	3,06	46,99	26,01	36,54	13,49	15,92	5,29	14,65	19,88
Corum/TR Rate (%)	0,05	0,03	0,02	0,29	0,10	0,18	0,11	0,06	0,03	0,07	0,10

REGISTERED DESIGNS

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2009-2018
Turkey	23765	28623	31782	35954	40707	41233	40859	41391	37280	33708	355302
TR83	94	94	220	233	149	217	307	155	159	137	1765
Corum	53	11	5	101	61	76	42	25	9	18	401
TR83/TR Rate (%)	0,40	0,33	0,69	0,65	0,37	0,53	0,75	0,37	0,43	0,41	0,50
Corum/TR83 Rate (%)	56,38	11,70	2,27	43,35	40,94	35,02	13,68	16,13	5,66	13,14	22,72
Corum/TR Rate (%)	0,22	0,04	0,02	0,28	0,15	0,18	0,10	0,06	0,02	0,05	0,11

TR83 Region - Investments



NUMBER OF INCENTIVE CERTIFICATES (Excluding cancellations)	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
CORUM	6	15	25	19	24	14	25	50	78	42
TR83	38	117	146	97	107	84	121	133	276	162
TR	1066	3521	3856	3922	4472	3755	4414	5048	7383	5896

CORUM - Investments

298

Investment Incentive
Certificates in the last 10
years

Share in TR83 23,26%
Share in TR 0,69%

0,28%

The ratio of fixed
investments in
Investment Incentive
Certificates to Turkey

7.351

Employment
Share in TR83 18,20%
Share in TR 0,46%

20,03%

The ratio of fixed investments
in Investment Incentive
Certificates to TR83

Corum Eligible Investment Areas Work, Development Bank of Turkey

Field of Activity		Grade	Number of Fields	The Name of the Suggested Field (NACE Rev.2)
AGRICULTURE		A	3	01.1- Forage crops (for integrated plant), 01.4- Meat and milk fattening, 01.4- Meat and egg poultry
		B	8	01.1- Vegetable and fruit growing, 01.1 - Flower growing and cut flowers, 01.1 - Organic fruit and vegetable growing, 01.1- Greenhouse, 01.4- Angora goat and sheep rearing, 01.4- Beekeeping and honey production, 01.6- Plant and animal production supportive activities (Organization), 03.2- Freshwater aquaculture
INDUSTRY	MANUFACTURING INDUSTRY	AA	1	31.0 Furniture manufacturing (Other furniture manufacturing)
		AB	17	101-Manufacture and Storage of Meat and Meat Products, 105-Manufacture of Dairy Products, 10.7-Manufacture of rusks and biscuits; 17.2-Manufacture of corrugated paper and paperboard and their containers, 20.4-Manufacture of soap and detergents and cleaning and polishing substances), 23.4-Manufacture of other porcelain and ceramic products (Ceramic sanitary products and insulators), 23.6 24.2-Manufacture of tubes, pipes, hollow profiles and similar fittings, 25.1-Manufacture of metal building materials (metal structures, doors, windows), 25.4-Weapons and ammunition (ammunition) 25.9-Manufacture of steel barrels and similar containers, 27.3-Manufacture of wires and cables and appliances used in cabling, 27.4-Manufacture of electric lighting equipment, 27.5-Manufacture of household appliances (non-electric), 29.2-Manufacture of bodywork of motor vehicles ; manufacture of trailers and semi-trailers, 32.1-Manufacture of jewelry and similar articles, 32.1-Manufacture of imitation jewelry and related articles.
		BB	13	13.9- Manufacture of other textiles (other than apparel, 13.9- Manufacture of knitted or crocheted fabrics, 14.1- Manufacture of apparel, except fur, outerwear and underwear), 23.9- Non-metallic and abrasive products manufacture of mineral products, 29.4- Precious metal production (Gold), 24.5- Metal casting industry (Iron and steel casting), 25.2- Manufacture of metal tanks, reservoirs and containers (radiators, boilers, tanks etc.), 25.7- Hand tools, Manufacture of machine tools, saw blades, etc. 28.1- Manufacture of general-purpose machinery (Manufacture of engines and turbines) 28.2- Manufacture of other general-purpose machinery (Manufacture of lifting and handling equipment) 28.3- Manufacture of agricultural and forestry machinery, 28.4- Metalworking machinery and 28.9- Manufacture of other special-purpose machinery (metallurgy, mining, quarrying and construction machinery)
	CB	4	13.2- Weaving, 25.3- Manufacture of steam generators (excluding central hot water boilers), 25.5- Forging, pressing, pressing and rolling of metals; powder metallurgy, 25.6- Processing and coating of metals; machining	
	ENERGY	B	1	35.1- Production of electrical energy (Solar energy production)
LOGISTICS		B	2	52.1 - Storage and warehousing, 52.2 - Supporting activities for transport (Agency)
TOURISM		B	6	55.1.5- 5 star hotel, 55.1- Boutique hotel 55.2- Apart, bungalow, 56.3- Touristic entertainment center, 79.1- Activities of travel agencies and tour operators, 91.0- Operation of historical sites and buildings and similar tourist attractions

In Corum, 11 in agriculture, , 35 in industry, 6 in tourism, 1 in energy, 2 in logistics sector; in total 55 investment areas



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