

TERRITORY AND INFRASTRUCTURES

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TERRITORY

Territory

Surface area, 2017

	Km ²	% of Spain	% of EU-28
Aragon	47.720,3	9,4	1,0
Spain	505.988,0		10,6
UE-28	4.787.766,3		

Source: Instituto Aragonés de Estadística with data from Eurostat.

Altimetric zones, in metres above sea level.

Unit: km².

	Aragon	Spain
Less than 200 metres	1.527	57.615
From 201 to 600 metres	18.162	156.370
From 601 to 1,000 metres	13.148	198.650
From 1,001 to 2,000 metres	13.929	88.766
More than 2,000 metres	954	4.587

Source: Instituto Nacional de Estadística.

Altimetric extreme values.

Unit: metres.

Highest summits		Lowest landmarks	
Aneto (Huesca)	3.404	River Ebro (Zaragoza)	65
Peñarroya (Teruel)	2.024	River Segre (Huesca)	70
Moncayo (Zaragoza)	2.313	River Martín (Teruel)	140

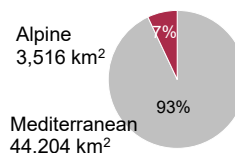
Source: Atlas Nacional de España (1986-2008). Instituto Geográfico Nacional.

Mountain areas.

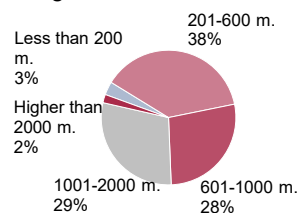
	Aragon			Spain		
	Total	Mountain area	Mountain as % of total	Total	Mountain area	Mountain as % of total
Number of municipalitie	731	293	40,1	8.110	3.098	38,2
Surface area (km ²)	47.720	20.849	43,7	505.988	208.467	41,2

Source: Instituto Aragonés de Estadística.

Biogeographical areas. Aragon.



Altimetric zones. Aragon.



TERRITORY

Aragon map

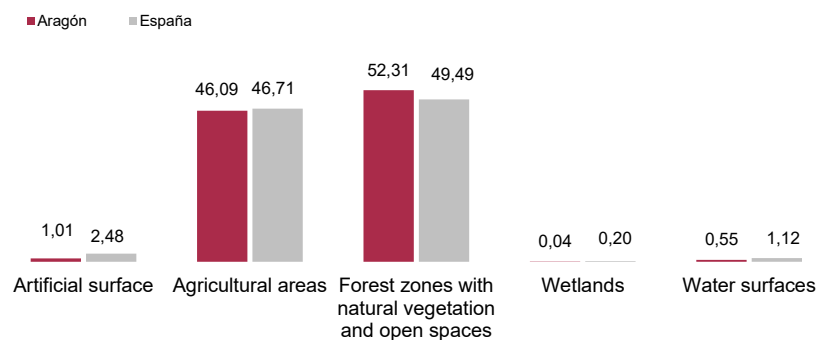


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Land use

Distribution of the main land uses, 2012.

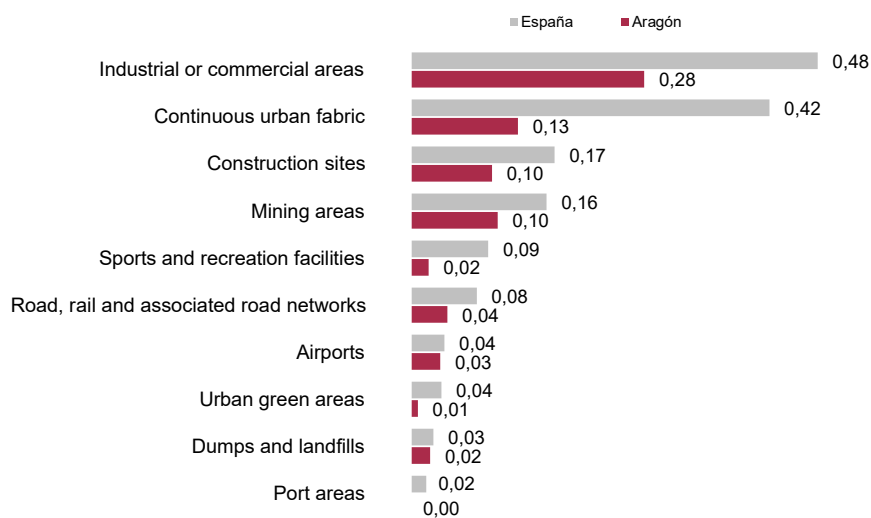
Unit: percentage of total surface area.



Source: Corine Land Cover 2012. Provisional data.

Distribution of the artificial surfaces, 2012.

Unit: percentage of total surface area.



Source: Corine Land Cover 2012. Provisional data.

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Land use map

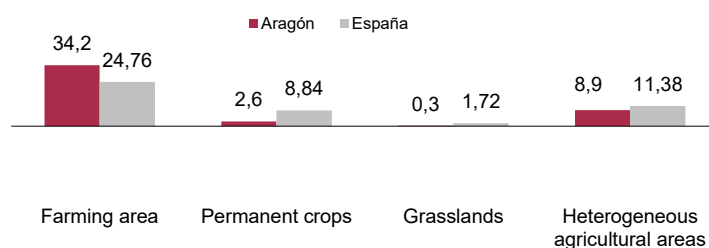


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Land use and hydrology

Distribution of agricultural areas, 2012.

Unidad: porcentaje sobre la superficie total.



Source: Corine Land Cover 2012. Provisional data.

Largest lakes, lagoons and natural mountain lakes in Aragon.

	Surface area (hectares)	Height (metres)		Surface area (hectares)	Height (metres)
Laguna de Gallocanta	967,2	995	Ibón de Cregüeña	43,30	2.657
Laguna de la Playa (Sástago)	218,5	325	Salada de Chiprana	37,2	139
Salada Grande de Alcañiz	62,1	352	Estanque Grande de Estaña	14,5	672

Source: Confederación Hidrográfica del Ebro. Red de Seguimiento de lagos.

River basins surface area in Aragon.

	Km2	% of total river basin surface area
Júcar Basin total surface area	42.735	100
Province of Teruel surface area in Júcar Basin	5.374	12,6
Aragon surface area in Júcar Basin	5.374	12,6
Ebro Basin total surface area	85.569	100
Province of Huesca surface area in Ebro Basin	15.646	18,3
Province of Teruel surface area in Ebro Basin	9.194	10,7
Province of Zaragoza surface area in Ebro Basin	17.271	20,2
Aragon surface area in Ebro Basin	42.111	49,2
Tajo Basin total surface area	55.781	100
Province of Teruel surface area in Tajo Basin	243	0,4
Aragon surface area in Tajo Basin	243	0,4

Source: Confederaciones hidrográficas.

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River basins map of Aragon



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Hydrology and climate network

Main rivers in Aragon.

Total river length in kilometres.

Ebro basin	Ebro tributaries	Ebro ⁽¹⁾	954,6		
		Aguasvivas	108,9	Alcanadre	148,1
		Arroyo del Regallo	49,7	Ara	67,6
		Guadalope	187,8	Aragón	205,1
		Huecha	50,7	Arba de Luesia	106,2
		Huerva	138	Cinca	190,8
		Jalón	234,7	Ésera	101,3
		Jiloca	128,5	Gállego	202,9
		Martín	102,7	Noguera-Ribagorzana ⁽¹⁾	133,2
		Matarraña	110,2	Segre ⁽¹⁾	271,3
		Queiles ⁽¹⁾	42,5		
Júcar basin		Mijares ⁽¹⁾	184,09	Tajo basin	[Gallo ⁽¹⁾ 98
		Guadalaviar or Turia ⁽¹⁾	336,41		
		Alfambra	110,07	L'Adour basin	[Gave d'Aspe ⁽¹⁾ 57

⁽¹⁾ Rivers that partially flow throughout Aragon territory.

Source: Confederaciones Hidrográficas.

Climate types in Aragon.

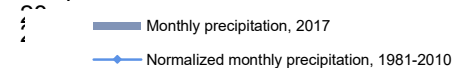
Climate types-Representative observatory	Temperature (°C)			Precipitation		Annual evapotranspiration
	Annual mean	Absolute min.	Absolute max.	Annual (mm)	Days in year	
Steppe dry						
Caspe	15,9	-10,3	45,4	316,0	50	1.216,0
Zaragoza-Airport	14,6	-11,3	42,3	344,9	60	1.200,7
Continental mediterranean						
Ejea de los Caballeros	14,4	-11,6	41,3	454,3	65	1.212,0
Monzón	-	-12,2	42,2	386,6	45	1.285,2
Transition mediterranean-oceanic						
Ansó	-	-16,2	38,6	1.134,2	108	1.005,5
Submediterranean humid						
Boltaña	14,8	-13,9	40,0	911,3	83	1.251,2
Submediterranean continental warm						
Andorra	14,3	-11,0	41,5	431,1	54	1.075,4
Calatayud	13,4	-13,8	41,3	346,4	59	1.258,9
Submediterranean continental cold						
Calamocha	10,5	-19,1	39,6	437,7	68	1.196,8
Mountain climate						
Fanlo-Refugio de Góriz	4,9	-15,6	39,8	1.646,9	96	770,5

Source: Atlas climático de Aragón del Departamento de Agricultura, Ganadería y Medio Ambiente. Gobierno de Aragón.

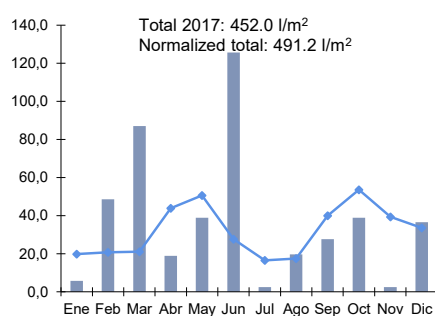
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Climate

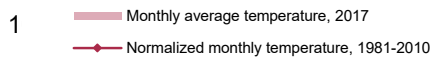
Precipitation



Huesca (Monflorite Airport)

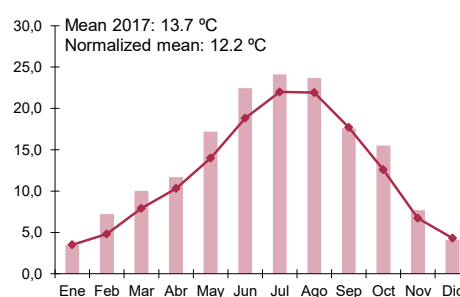
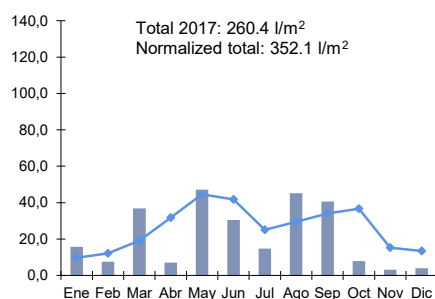


Temperature

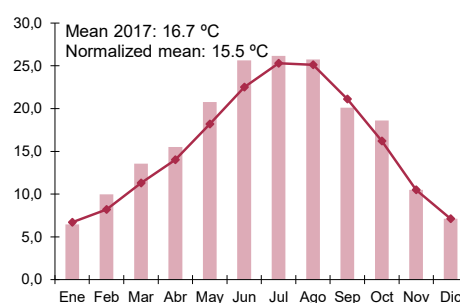
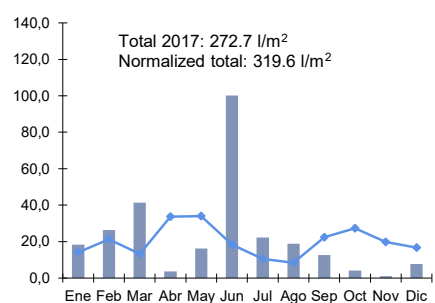


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Teruel (Meteorology Institute)



Zaragoza (Airport)



Source: Instituto Aragonés de Estadística, provisional data.

TERRITORY

Volume of water in rivers



INFRASTRUCTURES

Transport infrastructures

Airports. Aragon, 2017.

Name	Zaragoza	Huesca-Pirineos	Teruel
Height above sea level	262.92 m	539.06 m	1,018 m
Distance to the city	10 km	10.5 km	12 km
Service area	120.54 ha	152.54 ha	340 ha
Runways	2	2	1
Passengers area	8.45 ha	0.20 ha	-
Type of airport	Public	Public	Public
Air operator	AENA	AENA	Several op.

Source: Plan Director (Ministerio de la Presidencia), AIP (AENA) and Plataforma Aeroportuaria de Teruel (PLATA).

Road network. Aragon.

Unit: kilometres.

	1995	2005	2014	2015	2016
Total	10.101	11.320	11.509	11.624	11.659
One side roads	9.712	10.668	10.675	10.787	10.814
less than 5 m width	1.992	3.184	3.032	3.323	3.298
from 5 to 6,99 m width	4.586	3.907	3.627	3.411	3.427
7 m width or more	3.134	3.557	4.016	4.053	4.089
Dual side roads	73	120	68	68	56
Dual carriageways and free motorways	158	378	609	612	632
Toll motorways	158	154	157	157	157

Source: Anuario Estadístico del Ministerio de Fomento.

Railway network.

Unit: kilometres.

	2002	2005	2014	2015	2016
Dual railway tracks					
Aragon	162	419	444	444	444
Spain	3.375	3.907	5.837	6.000	5.927
Electrified railway tracks					
Aragon	546	885	907	907	907
Spain	6.950	7.530	9.717	10.211	10.138
Total length of managed tracks					
Aragon	948	1.279	1.324	1.324	1.312
Spain	12.298	12.839	15.900	16.056	15.922

Source: Regional transport statistics. Eurostat, and Anuario estadístico, Ministerio de Fomento.

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Reservoirs and irrigation systems

Reservoirs per hydrographical basins. Aragon, 2017.

Basin district	Basin	No. of reservoirs	Total capacity (Hm ³)	Total surface area (Ha)
Ebro				
Ebro	Aguas Vivas	1	8,0	75,0
Ebro	Alcanadre	2	65,1	286,2
Ebro	Aragón	2	451,9	2.116,0
Ebro	Arba	3	57,3	445,3
Ebro	Baja Ebro	2	1.824,8	9.748,9
Ebro	Cinca	5	867,6	3.213,8
Ebro	Ésera	1	84,7	664,3
Ebro	Gállego	9	431,1	2.946,4
Ebro	Guadalope	5	203,0	1.575,5
Ebro	Huerva	1	6,7	77,0
Ebro	Jalón	3	122,9	856,0
Ebro	Martín	1	22,1	190,0
Ebro	Matarraña	1	17,9	149,0
Ebro	Noguera Ribagorzana	5	1.115,3	2.876,1
Ebro	Queiles	1	24,2	112,2
Ebro	Semibaja Ebro	1	104,1	1.086,7
Júcar				
Júcar	Guadalaviar	2	31,0	155,0

Reservoirs whose capacity is under 5 hm³ are not considered.

Source: Instituto Aragonés de Estadística with data from Inventario de Presas y Embalses de España.

Main irrigation systems from surface water. Aragon, 2017.

Channel	Irrigation hectares in Aragon	Total irrigation hectares	Total channel length (km)
Riegos del Alto Aragón	125.899	125.899	133
Riegos del Canal de Aragón y Cataluña	62.306	98.402	124
Riegos del Canal de Bardenas	40.074	81.688	132
Riegos Plan Estratégico Bajo Ebro (PEBEA)	17.551	17.551	-
Riegos del Canal Imperial	23.600	27.568	108
Regadíos del Jalón y Jiloca	21.066	21.066	-
Riegos de la Cuenca del Guadalope	12.158	12.158	-
Riegos del Canal de Tauste	6.167	8.407	44

Source: Confederación Hidrográfica del Ebro.

INFRASTRUCTURES

Electric stations

Electric stations and installed power. Aragon.

Type of technology	2004		2015		2016	
	No. of stations	Power (MW)	No. of stations	Power (MW)	No. of stations	Power (MW)
Conventional thermoelectric	3	1.290	1	1.101	1	1.101
Co-generation	55	509	37	509	32	482
Combined cycle	0	0	3	1.863	3	1.863
Hydroelectric	98	1.579	106	1.572	108	1.558
Wind power	50	1.168	90	1.812	91	1.801
Solar-photovoltaic (connected to network)	10	0,4	1.793	167	1.858	172

Source: Departamento de Industria e Innovación. Gobierno de Aragón.

Urban waste

Collection and treatment of urban waste. Aragon, 2017.

Infrastructure	Number
Controlled dumps	8
Light-container classification plants	2
Transfer stations	11
Selective collection bottle banks	6.676
Selective collection paper banks	8.165
Selective collection light-container banks	10.789
Battery collection points	-
Clean points	25

Source: Departamento de Desarrollo Rural y Sostenibilidad. Gobierno de Aragón.

Industrial areas

Industrial areas. Aragon, 2017.

Number	350
Surface (m2)	977.399.768

Source: Instituto Aragonés de Fomento

Water treatment plants

Urban waste water treatment plants. Aragon.

	2001	2006	2012	2014	2015	2016	2017
Plants into service	22	52	186	187	188	204	208
Equivalent-inhabitants*	1.935.355	2.196.495	2.673.907	2.673.907	2.674.207	2.705.023	2.777.673

* Estimate of the polluting charge that the plants are able to treat.

Source: Instituto Aragonés de Estadística, with data from Instituto Aragonés del Agua.

