



**MedStrategy Project - Integrated Strategy for Sustainable
Development of Mediterranean Rural Areas**
Project reference no.: 2G-MED09-282

C3 – TERRITORIES AND INSTITUTIONS - DIAGNOSIS AND EX ANTE EVALUATION

Phase 1 - Integrated territorial analysis in relation to the 3 sustainability dimensions

“Framework Documents of the criticalities of local territorial contexts.”

Diputación Provincial de Teruel



Tabla sintética de indicadores (Comarca Comunidad de Teruel. Spain)

Surface										
Label	Macro objective	Id. typology	Data source	Time period	Time trend		Criticality		Responses /actions	
Surface			IAEST	2010	⬆️	-	⬆️	-	⬆️	-

Population										
Label	Macro objective	Id. typology	Data source	Time period	Time trend		Criticality		Responses /actions	
Inhabitants			Inhabitants register	2009	⬆️	Increase 10,74% because of immigrants arrival.	😊	Similar to Aragón and slightly up to the province, because the population increase in Teruel city.	😊	Increase almost exclusively in Teruel city and in Comarca's administrative centers. Rural villages are still losing population.
Population trend			Census 2001 and Inhabitants register 2009	2001/2009	⬆️	Increase 10,74% because of immigrants arrival.	😊	Similar to Aragón and slightly up to the province, because the population increase in Teruel city.	😊	Increase almost exclusively in Teruel city and in Comarca's administrative centers. Rural villages are still losing population.

Population density										
Label	Macro objective	Id. typology	Data source	Time period	Time trend		Criticality		Responses /actions	
Population density			IAEST	2009	⬆️	Increase because of immigrants arrival.	😊	Similar to Aragón and slightly up to the province, because the population increase in Teruel city.	😊	Increase almost exclusively in Teruel city. Rural villages are still losing population.
Urban population density			IAEST	2009	⬆️	Increase because of immigrants arrival.	😊	Similar to Aragón and slightly up to the province, because the population increase in Teruel city.	😊	Increase almost exclusively in Teruel city. Rural villages are still losing population.

Population by ages										
Label	Macro objective	Id. typology	Data source	Time period	Time trend		Criticality		Responses /actions	
14 years and under			IAEST	2009	⬇️	Young population decrease. Progressive	😞	Similar to Aragón.	😞	Need to redesigning regional demographic policy because of the new crisis context and the immigrants arrival decrease.

						population ageing.				
Between 15 and 24 years			IAEST	2009	↓	Young population decrease. Progressive population ageing.	☹	Similar to Aragón.	☹	Need to redesigning regional demographic policy because of the new crisis context and the immigrants arrival decrease.
Between 25 and 44 years			IAEST	2009	↔	Maintenance of adult population. Arrival of immigrants who are in working age.	😊	Similar to Aragón.	😊	Need to redesigning regional demographic policy because of the new crisis context and the immigrants arrival decrease.
Between 45 and 64 years			IAEST	2009	↑	Mature population increase. Progressive population ageing.	☹	Similar to Aragón.	☹	Need to redesigning regional demographic policy because of the new crisis context and the immigrants arrival decrease.
65 and over			IAEST	2009	↑	Old population increase. Progressive population ageing.	☹	Slightly up to Aragón.	☹	Need to redesigning regional demographic and social attention policies because of the population ageing.
Olg age ratio			IAEST	2009	↑	All population ageing indicators increase.	☹	Similar to Aragón.	☹	Need to redesigning regional demographic and social attention policies because of the population ageing.
Dependency ratio			IAEST	2009	↑	All population ageing indicators increase.	☹	Slightly up to Aragón.	☹	Need to activate policies to favor the new generation relief in the labour market.
Population by level of education										
Label	Macro objective	Id. typology	Data source	Time period	Time trend		Criticality		Responses /actions	
Illiterates			IAEST	2001	↔	Illiteracy rate is almost non-existent.	😊	Similar to Aragón.	😊	Illiteracy is eradicated, so measures aren't necessities.

Without studies			IAEST	2001	↓	Population without studies decrease.	😊	Similar to Aragón.	😊	Need to improve training of collectives less educated, like a measure addressed to reduce unemployment that affects these collectives.
1st degree			IAEST	2001	↑	The level of population education increase.	😊	Similar to Aragón.	😊	Need to improve training of collectives less educated, like a measure addressed to reduce unemployment that affects these collectives.
2nd degree			IAEST	2001	↑	The level of population education increase.	😊	Similar to Aragón.	😊	Need to improve training of collectives less educated, like a measure addressed to reduce unemployment that affects these collectives.
3rd degree			IAEST	2001	↑	The level of population education increase.	😊	Similar to Aragón.	😊	If the studies offer increased, young people wouldn't leave the territory.

Gross Value Added										
Label	Macro objective	Id. typology	Data source	Time period	Time trend		Criticality		Responses /actions	
Total income			IAEST	2007	↑	Gross Income Available increase, because of the economic growth in the last years.	😊	Similar to Aragón.	😊	Design of measures addressed to redistribution between economic sectors.
Income per capita			IAEST	2007	↑	Income per capita increase, because of the economic growth in the last years.	😊	Similar to Aragón.	😊	Design of measures addressed to redistribution between economic sectors.

Employment rate										
Label	Macro objective	Id. typology	Data source	Time period	Time trend		Criticality		Responses /actions	

Total			IAEST	1 ^{er} three-month period 2011	↓	Employment rate have been increasing since the economic crisis started.	⊗	Similar to Aragón.	⊗	Need to actions to promote the employment creation and to rejuvenate the population.
Masculine			IAEST	1 ^{er} three-month period 2011	↓	Decrease, however is still 20% higher than the feminine rate.	⊗	Similar to Aragón.	⊗	Need to actions to promote the employment creation and to rejuvenate the population.
Femenine			IAEST	1 ^{er} three-month period 2011	↓	It is 20% lower the masculine rate.	⊗	Similar to Aragón.	⊗	Need to specific measures to create women employment and to make labour conciliation easier.
Youth			IAEST	1 ^{er} three-month period 2011	↓	It is the lowest employment rate.	⊗	Similar to Aragón.	⊗	Need to specific measures to create youth employment and to fight to job insecurity.

Unemployment rate										
Label	Macro objective	Id. typology	Data source	Time period	Time trend		Criticality		Responses /actions	
Total			IAEST	1 ^{er} three-month period 2011	↑	Unemployment increase strongly in the last three years, because of the economic crisis.	⊗	Similar to Aragón.	⊗	Need to get stronger less vulnerable sectors faced with an economic crisis (I+D+I, training).
Masculine			IAEST	1 ^{er} three-month period 2011	↑	Unemployment increase strongly in the last three years, because of the economic crisis.	⊗	Similar to Aragón.	⊗	Need to get stronger less vulnerable sectors faced with an economic crisis (I+D+I, training).
Femenine			IAEST	1 ^{er} three-month period 2011	↑	Unemployment increase strongly in the last three years, because of the economic crisis.	⊗	Similar to Aragón.	⊗	Need to specific measures to create women employment and to make labour conciliation easier.

Youth			IAEST	1 ^{er} three-month period 2011	↑	This is the sector more affected by the unemployment.	☹	Similar to Aragón.	☹	Need to specific measures to create youth employment and to fight to job insecurity.
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Architectural and cultural heritage										
Label	Macro objective	Id. typology	Data source	Time period	Time trend		Criticality		Responses /actions	
Cultural protected items (immovable)			Ministry of Culture	2010	↔	Maintenance of the protected items number.	☹	Similar to Aragón.	☹	Design programs to value on them and to enclose with the protection measures.

Use of freshwater resources										
Label	Macro objective	Id. typology	Data source	Time period	Time trend		Criticality		Responses /actions	
Use of freshwater per capita	3.2	P	INE	2008	↔	Water consumption is reduced.	☹	Consumption average in Aragon is lower than Spain average.	☹	Social consciousness about more responsible use of water and improve efficiency of management and distribution systems.
Total of water register	3.2	P	INE	2008	↑	Water register increase.	☺	Consumption average in Aragon is lower than Spain average.	☺	Important increase on control of water supply in the last years.
Water registered by economic sectors (industry and services)	3.2	P	INE	2008	↔	Maintenance of water register, but important increase of efficiency.	☹	Aragón's average is slightly up to Spain.	☹	More responsible use of water and improve efficiency of management and distribution systems.
Water register at homes	3.2	P	INE	2008	↑	Water register at homes increase and important increase of efficiency.	☺	Similar to Aragón.	☺	Social consciousness about more responsible use of water and improve efficiency of management and distribution systems.
Water register for municipal consumption and others	3.2	P	INE	2008	↔	Maintenance of consumption, but important increase of efficiency.	☹	Similar to Aragón.	☹	More responsible use of water and improve efficiency of management and distribution systems.
Agricultural sector's water consumption	3.2	P	Aragon Governmen	2009	↔	Maintenance of consumption,	☹	Higher consumption than in others regions because of the importance	☹	This is the sector with more necessity for efficiency

			t, Environmen t Department			but important increase of efficiency.		of this sector.		improvement of water consumption.
Energy sector's water consumption	3.2	P			⚠		⚠		⚠	
Industry sector's water consumption	3.2	P			⚠		⚠		⚠	
Construction sector's water consumption	3.2	P			⚠		⚠		⚠	
Services sector's water consumption	3.2	P			⚠		⚠		⚠	
Other activities water consumption	3.2	P			⚠		⚠		⚠	
Energy consumption										
Label	Macro objective	Id. typology	Data source	Time period	Time trend		Criticality		Responses /actions	
Final energy consumption per capita	3.1	P			⚠		⚠		⚠	
Agricultural sector's energy consumption	3.1	P	IAEST	2009	↑	Increase because agroindustry development.	😊	Trend similar to Aragón.	😊	Need to design a plan about energy efficiency in agroindustry sector.
Energy sector's energy consumption (+extractives)	3.1	P	IAEST	2009	↓	Consumption in minig sector decrease because of the crisis this sector.	😞	Negative trend in comparison with other provinces.	😞	Plans about restructuring of mining sector are necessaryes.
Industry sector's energy consumption	3.1	P	IAEST	2009	↓	Consumption in decrease because of the economic crisis.	😞	Trend similar to Aragón.	😞	Need to design a plan about energy efficiency in industry sector.
Construction sector's energy consumption	3.1	P	IAEST	2009	↑	Energy consumption increase because of public works (Motorland, Platea)	😊	Comarca's growth higher than regional growth.	😊	Need to design a plan about energy efficiency in this sector.
Services sector's energy	3.1	P	IAEST	2009	↑	Consumption	😊	Trend similar to Aragón.	😊	Need to design a plan about energy

consumption						increase because of outsourcing.				efficiency in this sector.
Primary energy consumption	3.1	P								
Renewable energy production	3.1	P								
Non renewable energy production	3.1	P								
Primary energy imported	3.1	P								
Self-sufficiency degree	3.1	P								
Final electric energy consumption	3.1	P								
Final natural gas consumption	3.1	P								
Final energy consumption by fuel	3.1	P								

Waste generation

Label	Macro objective	Id. typology	Data source	Time period	Time trend	Criticality	Responses /actions
Waste generated by person	4.1	P	Aragon Government, Environment Department	2009	↓ Waste generation decrease.	😊 Trend similar to Aragón.	😊 Promote separate collection of wastes.

Road vehicle fleet

Label	Macro objective	Id. typology	Data source	Time period	Time Trend	Criticality	Responses /actions
Vehicles fleet	6.1	D	IAEST	dic-09	↔ Maintenance of vehicles fleet.	😐 Trend similar to Aragón.	😐 Promote alternative forms of public transport.
% motorbikes	6.1	D	IAEST	dic-09	↔ Maintenance of motorbikes.	😐 Trend similar to Aragón.	😐 Promote alternative forms of public transport.
% motorcycles	6.1	D	IAEST	dic-09	↔ Maintenance of motorcycles.	😐 Trend similar to Aragón.	😐 Promote alternative forms of public transport.
% cars	6.1	D	IAEST	dic-09	↔ Maintenance of cars.	😐 Trend similar to Aragón.	😐 Promote alternative forms of public transport.

% lorries and vans	6.1	D	IAEST	dic-09	↔	Maintenance of lorries and vans.	☹	Trend similar to Aragón.	☹	Promote alternative forms of public transport.
% buses	6.1	D	IAEST	dic-09	↔	Maintenance of buses.	☹	Trend similar to Aragón.	☹	Promote alternative forms of public transport.
% tractors	6.1	D	IAEST	dic-09	↔	Maintenance of tractors.	☹	Trend similar to Aragón.	☹	Promote alternative forms of public transport.
% other vehicles	6.1	D	IAEST	dic-09	↔	Maintenance of other vehicles.	☹	Trend similar to Aragón.	☹	Promote alternative forms of public transport.
Motorization rate (vehicles)	6.1	D	IAEST	dic-09	↔	Maintenance of motorization rate.	☹	Trend similar to Aragón.	☹	Promote alternative forms of public transport.
Motorization rate (cars)	6.1	D	IAEST	dic-09	↔	Maintenance of motorization rate.	☹	Trend similar to Aragón.	☹	Promote alternative forms of public transport.

Environmental quality of road vehicles										
Label	Macro objective	Id. typology	Data source	Time period	Time trend		Criticality		Responses /actions	
Active emission standars	6.3	D		2011	↓	Decrease vehicles emissions.	☺	Tren similar to Aragón.	☺	Maintenance of social consciousness and economic incentives to buy <i>green</i> vehicles.

Land take										
Label	Macro objective	Id. typology	Data source	Time period	Time trend		Criticality		Responses /actions	
Artificial areas and infrastructures (urban areas included)	5.2	I	Corine Land Cover 2000	2010	↑	Artifial areas increase slightly and it is concentrated in Teruel city.	☹	In comparison with areas with more urban density, the proportion of artificial areas is very low.	☹	Create guidelines addressed to avoid landscape impacts, especially in rural areas.

Local tools and plans on urban and territorial planning.										
Label	Macro objective	Id. typology	Data source	Time period	Time trend		Criticality		Responses /actions	
Tools on urban and territorial planning	5.2	R		2011	↑	Tools on urban and territorial planning are	☺	Same tools than in Aragon.	☺	Improve information access and citizens participation on urban planning process.

						updating.					
Housing stock											
Label	Macro objective	Id. typology	Data source	Time period	Time trend		Criticality		Responses /actions		
Empty dwelling units	5.2	D	Population and Housing Census.	2001	↕		↕		↕		
People by home	5.2	D	Employment and population in Aragón's towns and comarcas. CAI	2009	↓	Decrease because of population ageing and new family dynamics.	⊖	Trend similar to Aragón.	⊖		
Surface by person	5.2	D	Population and Housing Census.	2001	↕		↕		↕		
Energy certification of buildings											
Label	Macro objective	Id. typology	Data source	Time period	Time trend		Criticality		Responses /actions		
Rules on the energy certification	5.5	R			↕		↕		↕		
Urban green areas											
Label	Macro objective	Id. typology	Data source	Time period	Time trend		Criticality		Responses /actions		
Density of urban green areas	5.3	S			↕		↕		↕		
Mobility management											
Label	Macro objective	Id. typology	Data source	Time period	Time trend		Criticality		Responses /actions		

Restricted traffic zones	6.2	R			⚡		⚡		⚡
Pedestrian areas	6.2	R			⚡		⚡		⚡
Cycling paths and lanes	6.2	R			⚡		⚡		⚡

Transport infrastructures										
Label	Macro objective	Id. typology	Data source	Time period	Time trend		Criticality		Responses /actions	
Total density of roads	6.1	D	IAEST	2009	↔	Maintance of density but improvement of quality.	😊	Improvement, there is still transport infrastructures deficiency in comparison with Aragón and Spain.	😊	Design a coordinated plan between administrations addressed to improve the road network.
Density of nacional roads.	6.1	D	IAEST	2009	↔	Maintance of density but improvement of quality.	😊	Improvement, there is still transport infrastructures deficiency in comparison with Aragón and Spain.	😊	Design a coordinated plan between administrations addressed to improve the road network.
Density of regional roads.	6.1	D	IAEST	2009	↔	Maintance of density but improvement of quality.	😊	Improvement, there is still transport infrastructures deficiency in comparison with Aragón and Spain.	😊	Design a coordinated plan between administrations addressed to improve the road network.
Density of province roads.	6.1	D	IAEST	2009	↔	Maintance of density but improvement of quality.	😊	Improvement, there is still transport infrastructures deficiency in comparison with Aragón and Spain.	😊	Design a coordinated plan between administrations addressed to improve the road network.
Total density of raylways.	6.1	D	IAEST	2009	↔	Low railway density, but improvement of quality.	😊	Improvement, but density is still lower than in Aragon.	😊	Improvement of the service quality (frequencies, timetables).
Density of railways with only one railway	6.1	D	IAEST	2009	↔	Low railway density, but improvement of quality.	😊	Improvement, but density is still lower than in Aragon.	😊	Improvement of the service quality (frequencies, timetables).
Density of railways with a double railway	6.1	D	IAEST	2009	↔	There isn't any double railway.	😞	There isn't any double railway.	😞	There isn't any double railway.
Density of electrify railway	6.1	D	IAEST	2009	↔	There isn't any electrify railway.	😞	There isn't any electrify railway.	😞	There isn't any electrify railway.
Passangers in ports	6.1	D			⚡		⚡		⚡	
Passangers in airports	6.1	D			⚡		⚡		⚡	

Land use										
Label	Macro objective	Id. typology	Data source	Time period	Time trend		Criticality		Responses /actions	
Artificial surfaces	3.4	S	Corine Land Cover 2000	2010	↑	Artificial areas increase slightly and it is concentrated in Teruel city.	☹️	In comparison with areas with more urban density, the proportion of artificial areas is very low.	☹️	Create guidelines addressed to avoid landscape impacts, especially in rural areas.
Agricultural surfaces	3.4	S	Corine Land Cover 2000	2010	↔️	Maintenance of agricultural surfaces.	☹️	Trend similar to Aragón.	☹️	Design environmental management measures to avoid the anthropic pressure falls and the abandonment of traditional land uses.
Forest surfaces	3.4	S	Corine Land Cover 2000	2010	↑	Forest surface increase because of the abandonment of traditional land uses.	☹️	Trend similar to Aragón.	☹️	Design environmental management measures to avoid the abandonment of traditional land uses, responsible of a lot of forest fires.
Humid areas	3.4	S	Corine Land Cover 2000	2010	↑	Great increase because of the restoration of Lakes of Cañizar.	😊	Very important intervention in Aragon context.	😊	Design guidelines to value on tourism and environmental this space.
Water surfaces	3.4	S	Corine Land Cover 2000	2010	↑	Great increase because of the restoration of Lakes of Cañizar.	😊	Very important intervention in Aragon context.	😊	Design guidelines to value on tourism and environmental this space.

Areas subject to landscape protection										
Label	Macro objective	Id. typology	Data source	Time period	Time trend		Criticality		Responses /actions	
Number of protected natural spaces	3.3	R	IAEST	2010	↔️	There isn't any protected natural space.	☹️		☹️	Preparation of <i>Natura 2000</i> Network plan in this area. It is possible to draw up a PORN (<i>natural resources planning</i>) in this comarca.
Surface of protected natural spaces	3.3	R	IAEST	2010	↔️	There isn't any protected natural space.	☹️		☹️	Preparation of <i>Natura 2000</i> Network plan in this area. It is possible to draw up a PORN (<i>natural</i>

Quality of water resources									
Label	Macro objective	Id. typology	Data source	Time period	Time trend		Criticality		Responses /actions
Quality of surface and underground water sources allowed to consumption	3.2	S	Aragon Government, Environment Department	2009	↑	High increase of the quality.	😊	Trend similar to Aragón.	😊 The improvement is because of important public investments in the last years (collecting, treatment, distribution).

Quality of the air									
Label	Macro objective	Id. typology	Data source	Time period	Time trend		Criticality		Responses /actions
Number of fixed monitoring sites	3.5	R	Aragon Government, Environment Department	2009	↔	There is a fixed monitoring site.	😐	In other comarcas there are more monitoring sites because in these places there are more pollutant activities.	😐 If the number of pollutant activities doesn't increase, it won't be necessary additional actions.
Quality of the air	3.5	S	Aragon Government, Environment Department	2009	↔	Maintenance of quality.	😊	In comparison with Aragón, this Comarca is very lower than maximum levels allowed.	😊 If the number of pollutant activities doesn't increase, it won't be necessary additional actions.
Plans for the improvement and management of the quality of the air	3.5	R	Aragon Government, Environment Department	2009	⚡		⚡		⚡

Renewable energy									
Label	Macro objective	Id. typology	Data source	Time period	Time trend		Criticality		Responses /actions
Renewable energy production	3.1	R		2010	↑	Important increase of	😊	Trend similar to Aragón.	😊 Very dependent sector on public funds.

						renewable energy production.			
Renewable energy production. Wind power	3.1	R		2010	↑	Important increase of renewable energy production, because of new high tension electrical network.	😊	Trend similar to Aragón.	😊 It is necessary to promote renewable energy production but taking into account the landscape impact produced.
Renewable energy production. Solar	3.1	R		2010	↑	Important increase of renewable energy production, because of new high tension electrical network.	😊	Trend similar to Aragón.	😊 It is necessary to promote renewable energy production but taking into account the landscape impact produced.
Renewable energy production. Bio-mass	3.1	R	IAEST	2010	⚠	This kind of energy isn't produced.	⚠		⚠
Renewable energy production. Hydrogen	3.1	R	IAEST	2010	⚠	This kind of energy isn't produced.	⚠		⚠
Renewable energy production. Hydroelectric	3.1	R	IAEST	2010	⚠	This kind of energy isn't produced.	⚠		⚠

Public services									
Label	Macro objective	Id. typology	Data source	Time period	Time trend		Criticality		Responses /actions
Number of public health services	9.2	S	Social resources guide of Aragón	2008	↑	Improvement of public services.	😊	This comarca profit by having the province capital, where there are the most of health services.	😊 Maintenance primary health care services in all villages and improvement of health specialicing services in the capital.
Number of hospitals	9.2	S	Social	2008	↑	Improvement of	😊	This comarca has the reference	😊 It is planned to build a new hospital

			resources guide of Aragón			public services.		hospital of the province.		in the next 5 years.
Number of beds (hospitals)	9.2	S	http://www.hospitalesp.ana.com/	2011	↑	Improvement of public services.	😊	This comarca profit by having the province capital, where there are the most of health services.	😊	The new hospital will have about 300 beds more.
Number of health centres	9.2	S	Social resources guide of Aragón	2010	↑	Improvement of public services.	😊	This comarca profit by having the province capital, where there are the most of health services.	😊	Increase of specialicing services in health centres.
Number of medical centres	9.2	S	Social resources guide of Aragón	2010	↑	Improvement of public services.	😊	All villages have medical centre.	😊	Recently, Aragon has started some pilot plans about telediagnosis and health attention using TICs.
Number of educational services	9.2	S	Social resources guide of Aragón	2008	↑	Improvement of public services.	😊	This comarca profit by having the province capital, where there are the most of education services.	😊	The principal threat in this comarca is the possibility of closing rural schools because there won't be enough population.
Number of universities	9.2	S	IAEST	2009/2010 academic year	↔	Titulation's offer decrease but number of pupils increase.	😐	The decentralized model of University in Aragón is considered unsustainable in crisis time.	😐	Avoid studies duplicity in other territories.
Number of child educational centres, 1st cycle	9.2	S	IAEST	2009/2010 academic year	↑	Maintenance of educational centres in the most of rural villages.	😊	Trend similar to Aragón.	😊	Increase child schools offer in rural areas to make labour conciliation easier.
Number of child educational centres, 2nd cycle	9.2	S	IAEST	2009/2010 academic year	↑	Maintenance of educational centres in the most of rural villages.	😊	Trend similar to Aragón.	😊	Increase child schools offer in rural areas to make labour conciliation easier.
Number of primary education centres	9.2	S	IAEST	2009/2010 academic year	↑	Maintenance of educational centres in the most of rural villages.	😊	Trend similar to Aragón.	😊	Decrease of immigrant arrivals will cause rural schools closing early.
Number of secondary education centres	9.2	S	IAEST	2009/2010 academic year	↑	Improvement of public services.	😊	This comarca profit by having the province capital, where there are the most of education services.	😊	Recently, Aragon has started some pilot plans about education using new technologies (School 2.0).

Number of high school centres LOGSE (daytime classes)	9.2	S	IAEST	2009/2010 academic year	↑	Improvement of public services.	😊	This comarca profit by having the province capital, where there are the most of education services.	😊	Recently, Aragon has started some pilot plans about education using new technologies (School 2.0).
Number of Centros high school LOGSE (evening classes)	9.2	S	IAEST	2009/2010 academic year	↑	Improvement of public services.	😊	This comarca profit by having the province capital, where there are the most of education services.	😊	Recently, Aragon has started some pilot plans about education using new technologies (School 2.0).
Number of professional training centres grado medio daytime classes	9.2	S	IAEST	2009/2010 academic year	↑	Improvement of public services.	😊	This comarca profit by having the province capital, where there are the most of education services.	😊	Recently, Aragon has started some pilot plans about education using new technologies (School 2.0).
Number of professional training centres (high degree, daytime classes)	9.2	S	IAEST	2009/2010 academic year	↑	Improvement of public services.	😊	This comarca profit by having the province capital, where there are the most of education services.	😊	Recently, Aragon has started some pilot plans about education using new technologies (School 2.0).
Number of professional training centres (evening classes)	9.2	S	IAEST	2009/2010 academic year	↑	Improvement of public services.	😊	This comarca profit by having the province capital, where there are the most of education services.	😊	Recently, Aragon has started some pilot plans about education using new technologies (School 2.0).
Number of professional qualification centres.	9.2	S	IAEST	2009/2010 academic year	↑	Improvement of public services.	😊	This comarca profit by having the province capital, where there are the most of education services.	😊	Recently, Aragon has started some pilot plans about education using new technologies (School 2.0).
Number of special education centres	9.2	S	IAEST	2009/2010 academic year	↑	Improvement of public services.	😊	This comarca profit by having the province capital, where there are the most of education services.	😊	Recently, Aragon has started some pilot plans about education using new technologies (School 2.0).
Number of art and design centres	9.2	S	Aragon Government, Education Department	2009/2010 academic year	↑	Improvement of public services.	😊	This comarca profit by having the province capital, where there are the most of education services.	😊	Recently, Aragon has started some pilot plans about education using new technologies (School 2.0).
Number of music education centres	9.2	S	Aragon Government, Education Department	2009/2010 academic year	↑	Improvement of public services.	😊	This comarca profit by having the province capital, where there are the most of education services.	😊	Recently, Aragon has started some pilot plans about education using new technologies (School 2.0).
Number of languages education centres	9.2	S	Aragon Government, Education Department	2009/2010 academic year	↑	Improvement of public services.	😊	This comarca profit by having the province capital, where there are the most of education services.	😊	Recently, Aragon has started some pilot plans about education using new technologies (School 2.0).
Number of social welfare services	9.2	S	IAEST	2008	↑	Increase of this kind of services because of the population ageing.	😊	Trend similar to Aragón.	😊	Social attention, especially old people attention, is a priority for all administrations.
Number of common social services	9.2	S	IAEST	2008	↑	Increase of this kind of services	😊	Trend similar to Aragón.	😊	Social attention, especially old people attention, is a priority for all

						because of the population ageing.				administrations.
Number of old people's homes	9.2	S	IAEST	2008	↑	Increase of this kind of services because of the population ageing.	😊	Trend similar to Aragón.	😊	Social attention, especially old people attention, is a priority for all administrations.
Number of day centres	9.2	S	IAEST	2008	↑	Increase of this kind of services because of the population ageing.	😊	Trend similar to Aragón.	😊	Social attention, especially old people attention, is a priority for all administrations.
Number of old people's homes (religious)	9.2	S	IAEST	2008	↑	Increase of this kind of services because of the population ageing.	😊	Tendencia similar en Aragón.	😊	Social attention, especially old people attention, is a priority for all administrations.
Number of financial services	9.2	S	IAEST	2009	↔	Maintenance of financial services	😐	Trend similar to Aragón.	😐	
Number of sports equipments	9.2	S	IAEST	2005	↑	Increase of public investment in this kind of equipments.	😊	Trend similar to Aragón.	😊	Local administration has difficulty supporting a lot of the equipments.

Public transports

Label	Macro objective	Id. typology	Data source	Time period	Time trend		Criticality		Responses /actions	
Density of public transport infrastructures	6.2	R			⬇		⬇		⬇	
Volume of passenger transport	6.2	R/S			⬇		⬇		⬇	

Public transport management

Label	Macro objective	Id. typology	Data source	Time period	Time trend		Criticality		Responses /actions	
Plans aimed at enhancement and promotion public	6.2	R	Gobierno de Aragón.	2011	↑	Future tranference of	😊		😊	Transport competences tranference will make posible to adapt the

transport.						transport competences to comarcas.			service to the territory necessities.
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Waste management

Label	Macro objective	Id. typology	Data source	Time period	Time trend		Criticality		Responses /actions	
Glass	4.1	R	IAEST	2010	↑	Increase and improvement of separate collection.	😊	Trend similar to Aragón.	😊	Design guidelines to increase social consciousness about recycling importance.
Cardboard, paper	4.1	R	IAEST	2009	↑	Increase and improvement of separate collection.	😊	Trend similar to Aragón.	😊	Design guidelines to increase social consciousness about recycling importance.
Plastic containers and tins (yellow bin)	4.1	R	IAEST	2009	↑	Increase and improvement of separate collection.	😊	Trend similar to Aragón.	😊	Design guidelines to increase social consciousness about recycling importance.
Batteries	4.1	R	IAEST	2007	↑	Increase and improvement of separate collection.	😊	Trend similar to Aragón.	😊	Design guidelines to increase social consciousness about recycling importance.
Phytosanitary containers	4.1	R	IAEST	2010	↑	Increase and improvement of separate collection.	😊	Trend similar to Aragón.	😊	Design guidelines to increase social consciousness about recycling importance.
Pharmaceutical containers	4.1	R	IAEST	2009	↑	Increase and improvement of separate collection.	😊	Trend similar to Aragón.	😊	Design guidelines to increase social consciousness about recycling importance.

Management of waste water

Label	Macro objective	Id. typology	Data source	Time period	Time trend		Criticality		Responses /actions	
Towns connected (EDAR)	3.2	R	IAEST	sep-10	↑	Increase of connected towns.	😊	Trend similar to Aragón.	😊	In the last years, European funds have financed important investments about water

										management.
Habitants connected (EDAR)	3.2	R	IAEST	sep-10	↑	Increase of connected habitants.	😊	Trend similar to Aragón.	😊	In the last years, European funds have financed important investments about water management.

Efficiency of water distribution system										
Label	Macro objective	Id. typology	Data source	Time period	Time trend		Criticality		Responses /actions	
Ratio of disbursements and losses (real and apparent)	3.2	R/S	Aragon Government, Environment Department	2008	↑	Water distribution more efficiency, because of the increase of public investent.	😊	Trend similar to Aragón.	😊	Recently, important improvement of distribution network.

Units of enterprises and workers by sector										
Label	Macro objective	Id. typology	Data source	Time period	Time trend		Criticality		Responses /actions	
Total enterprises CNAE-09	8.1	D	Studies Services CAI	2008	↔	Trend to increase number of enterprises, slowed by economic crisis.	😐	Trend similar to Aragón.	😐	Promote enterprises creation, related to I+D+I and endogenous resources.
Agriculture, hunting, forestry and fishing	8.1	D	Studies Services CAI	2009	↔	Maintenance of number of exploitation and trend to owners rejuvenate, because of the crisis.	😐	Trend similar to Aragón.	😐	Promote measures to make the young farmer access easier.
Industry and energy	8.1	D	Studies Services CAI	2009	↓	Loss of industry because of the economic crisis.	😞	Impact is smaller than in Aragón because industry sector is smaller than there.	😞	Measures to promote I+D+I and trend internationalize.
Construction	8.1	D	Studies Services CAI	2009	↔	Maintenance of number of enterprises because of public	😐	Impact is smaller than in Aragón because this sector is smaller than there.	😐	Plans to professional retraining from construction sector to others.

						works.			
Services	8.1	D	Studies Services CAI	2009	↑	Increase because outsourcing.	😊	Trend similar to Aragón.	😊 Plans to improve quality and diversify the offer.
Total workers	8.1	D	IAEST	2009	↔	Trend to increase number of workers, slowed by economic crisis.	😐	Trend similar to Aragón.	😐 Lifelong training plans and promote enterprising spirit.
Workers in agrarian sector	8.1	D	IAEST	2009	↑	Increase of self-employed workers.	😊	Trend similar to Aragón.	😊 Measures to promote capacities about trend, marketing...
Workers in construction	8.1	D	IAEST	2009	↓	Decrease of number of workers.	😞	Trend similar to Aragón.	😞 Plans to professional retraining from construction workers to other sectors.
Workers in industry	8.1	D	IAEST	2009	↓	Decrease of number of workers.	😞	Trend similar to Aragón.	😞 Lifelong training plans and promote enterprising spirit.
Workers in services	8.1	D	IAEST	2009	↑	Increase number of workers because of self-employment.	😊	Trend similar to Aragón.	😊 Lifelong training plans and promote enterprising spirit.

Agricultural surface									
Label	Macro objective	Id. typology	Data source	Time period	Time trend	Criticality	Responses / actions		
Useful Agricultural Area (UAA)	8.1	D	IAEST	1999	↔	Maintenance of UAA, without important changes.	😐	High specialisation on cereal cultivation makes that UAA was stable in comparison with other places in Aragón.	😐 Agro environmental measures addressed to maintain traditional land use.
UAA Herbaceous	8.1	D	IAEST	1999	↔	Maintenance of UAA, without important changes.	😐	High specialisation on cereal cultivation makes that UAA was stable in comparison with other places in Aragón.	😐 Agro environmental measures addressed to maintain traditional land use.
UAA Fruit trees	8.1	D	IAEST	1999	↔	Maintenance of UAA, without important changes.	😐	High specialisation on cereal cultivation makes that UAA was stable in comparison with other places in Aragón.	😐 Agro environmental measures addressed to maintain traditional land use.
UAA Vineyard	8.1	D	IAEST	1999	↔	Maintenance of UAA, without	😐	High specialisation on cereal cultivation makes that UAA was	😐 Agro environmental measures addressed to maintain traditional

						important changes.		stable in comparison with other places in Aragón.		land use.
UAA other cultivation	8.1	D	IAEST	1999	↑	Increase of surface of truffle cultivation.	😊	Truffle cultivation is more important in this comarca than in the rest of Aragón.	😊	Increase of truffle cultivation supported by public administration.

Agricultural holdings

Label	Macro objective	Id. typology	Data source	Time period	Time trend		Criticality		Responses /actions	
Agricultural holdings by type of occupancy	8.1	D			⬇		⬇		⬇	
Agricultural holdings by main cultivation	8.1	D			⬇		⬇		⬇	

Farms

Label	Macro objective	Id. typology	Data source	Time period	Time trend		Criticality		Responses /actions	
Farms by livestock type	8.1	D		1999	⬇		⬇		⬇	
Bovines	8.1	D	IAEST	1999	↓	Decrease of farms, because of the reduction in profit margin.	😞	Trend similar to Aragón.	😞	Creation of a certificate quality brand to increase profit margin.
Ovines	8.1	D	IAEST	1999	↓	Decrease of farms, because of the reduction in profit margin.	😞	Trend similar to Aragón.	😞	Design guidelines to differentiate the product and to promote the consumption.
Pigs	8.1	D	IAEST	1999	↓	Decrease of farms, because of the reduction in profit margin.	😞	Trend similar to Aragón.	😞	Design guidelines to differentiate the product and to internationalize commercialization.

Organic farming

Label	Macro objective	Id. typology	Data source	Time Period	Time trend		Criticality		Responses /actions	
Number of operators	8.2	R	IAEST	2010	↑	Increase in the last years, but it is still a minority	😊	Trend similar to Aragón.	😊	Increase of public Administration support to organic farming (scant development in Aragón).

						activity.			
Number of developers	8.2	R	IAEST	2010	↑	Increase in the last years, but it is still a minority activity.	😊	Trend similar to Aragón.	😊 Increase of public Administration support to organic farming (scant development in Aragón).
Number of producers	8.2	R	IAEST	2010	↑	Increase in the last years, but it is still a minority activity.	😊	Trend similar to Aragón.	😊 Increase of public Administration support to organic farming (scant development in Aragón).
Area under organic farming	8.2	R	IAEST	2010	↑	Increase in the last years, but it is still a minority activity.	😊	Trend similar to Aragón.	😊 Increase of public Administration support to organic farming (scant development in Aragón).

Typical products

Label	Macro objective	Id. typology	Data source	Time period	Time trend	Criticality	Responses /actions
Number of typical products registered by UE	8.3	R	IAEST	2010	↑	Increase and reevaluation of agro alimentary products with certificate quality.	😊 Trend similar to Aragón. 😊 Future certification of new products (saffron, cheeses, truffles y fresh pig meat).

Manufacturing activities

Label	Macro objective	Id. typology	Data source	Time period	Time trend	Criticality	Responses /actions
Number of manufacturing enterprises	8.3	D	Manufacturing activities Register in Aragón	2010	↔	Maintenaince of manufacturin activities in the territory.	😞 Trend similar to Aragón. 😞 I have never been an important sector in this comarca, his presence is very scant.
Wood, fornitures	8.3	D	Manufacturing activities Register in Aragón	2010	↔	Maintenaince of manufacturin activities in the territory.	😞 Trend similar to Aragón. 😞 I have never been an important sector in this comarca, his presence is very scant.
Stone, marble	8.3	D	Manufactur	2010	↔	Maintenaince of	😞 Trend similar to Aragón. 😞 I have never been an important

			ing activities Register in Aragón			manufacturin activities in the territory.				sector in this comarca, his presence is very scant.
Textile	8.3	D	Manufactur ing activities Register in Aragón	2010	↔	Maintenaince of manufacturin activities in the territory.	☹	Trend similar to Aragón.	☹	I have never been an important sector in this comarca, his presence is very scant.
Pelt, leather	8.3	D	Manufactur ing activities Register in Aragón	2010	↔	Maintenaince of manufacturin activities in the territory.	☹	Trend similar to Aragón.	☹	I have never been an important sector in this comarca, his presence is very scant.
Ceramics	8.3	D	Manufactur ing activities Register in Aragón	2010	↔	Maintenaince of manufacturin activities in the territory.	☹	Trend similar to Aragón.	☹	I have never been an important sector in this comarca, his presence is very scant.
Jewelry	8.3	D	Manufactur ing activities Register in Aragón	2010	↔	Maintenaince of manufacturin activities in the territory.	☹	Trend similar to Aragón.	☹	I have never been an important sector in this comarca, his presence is very scant.
Musical instruments	8.3	D	Manufactur ing activities Register in Aragón	2010	↔	Maintenaince of manufacturin activities in the territory.	☹	Trend similar to Aragón.	☹	I have never been an important sector in this comarca, his presence is very scant.
Vegetal fiber	8.3	D	Manufactur ing activities Register in Aragón	2010	↔	Maintenaince of manufacturin activities in the territory.	☹	Trend similar to Aragón.	☹	I have never been an important sector in this comarca, his presence is very scant.
Metal	8.3	D	Manufactur ing activities Register in Aragón	2010	↔	Maintenaince of manufacturin activities in the territory.	☹	Trend similar to Aragón.	☹	I have never been an important sector in this comarca, his presence is very scant.
Several	8.3	D	Manufactur	2010	↔	Maintenaince of	☹	Trend similar to Aragón.	☹	I have never been an important

			ing activities Register in Aragón			manufacturin activities in the territory.				sector in this comarca, his presence is very scant.
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Tourism

Label	Macro objective	Id. typology	Data source	Time period	Time trend	Criticality	Responses /actions
Stays in tourist accommotation	8.4	D	IAEST	2009	↑ Increase because of the strong development of tourism sector in this comarca.	😊 Trend similar to Aragón.	😊 In the last years there were a lot of public (UE funds) and private investments on tourism sector.
Stays in hotels	8.4	D	IAEST	2009	↑ Increase because of the strong development of tourism sector in this comarca.	😊 Trend similar to Aragón.	😊 In the last years there were a lot of public (UE funds) and private investments on tourism sector.
Stays in hotels (national tourists)	8.4	D	IAEST	2009	↑ Increase because of the strong development of tourism sector in this comarca.	😊 Trend similar to Aragón.	😊 In the last years there were a lot of public (UE funds) and private investments on tourism sector.
Stays in hotels (foreing tourists)	8.4	D	IAEST	2009	↑ Increase because of the strong development of tourism sector in this comarca.	😊 Trend similar to Aragón.	😊 Need to promote guidelines about international commercialization.
Medium stay (hotel stablishments)	8.4	D	IAEST	2009	↔ The sector increase but medium stay doesn't growth.	😐 Medium stay is slightly smaller than Aragón's average.	😐 Need to develop complement offers to increase the medium stay.
Tourism occupation degree (hotel stablishments)	8.4	D	IAEST	2009	↔ Maintenance of tourism occupation degree.	😐 Occupation degree is slightly bigger than Aragón's rate.	😐 Need to develop complement offers to increase the medium stay.
Tourism pressure (hotel stablishments)	8.4	D	IAEST	2009	↑ Increase of tourism preasure	😊 Trend similar to Aragón.	😊 Increase is still in sustainable limits. Load capacity isn't exceeded.

						because there is a bigger attendance.				
Total accomodation capacity	8.4	D	IAEST	May-2011	↑	Importan increase of accomodation capacity.	😊	Capacity increase more than Aragon's average.	😊	In the last years there were a lot of investments on tourism sector and this has increased the accomodation capacity.
Accomodation capacity in hotels	8.4	D	IAEST	May-2011	↑	Importan increase of accomodation capacity.	😊	Capacity increase more than Aragon's average.	😊	In the last years there were a lot of investments on tourism sector and this has increased the accomodation capacity.
Accomodation capacity in rural tourism houses	8.4	D	IAEST	May-2011	↑	Importan increase of accomodation capacity.	😊	Capacity increase more than Aragon's average.	😊	In the last years there were a lot of investments on tourism sector and this has increased the accomodation capacity.
Accomodation capacity in toutist apartments	8.4	D	IAEST	May-2011	↑	Importan increase of accomodation capacity.	😊	Capacity increase more than Aragon's average.	😊	In the last years there were a lot of investments on tourism sector and this has increased the accomodation capacity.
Accomodation capacity in campsites	8.4	D	IAEST	May-2011	↔	There isn't this kind of accomodation.	😞	En Aragón there are campsites, but in this comarca there isn't any one.	😞	The campsite construction in Teruel city, is a project demanded since a long time.

Environmental and social management systems

Label	Macro objective	Id. typology	Data source	Time period	Time trend		Criticality		Responses /actions	
Number of environmental management procedures adoppted (EMAS)	1.3	R	IAEST	2009	⬇️	There isn't any EMAS adopted.	⬇️		⬇️	

Labour accident risk

Label	Macro objective	Id. typology	Data source	Time period	Time trend		Criticality		Responses /actions	
Number of labour accidents	8.2	D	Labour and Social Issues Department	2009	↓	Decrease of labour accidents.	😊	Trend similar to Aragón.	😊	It is because of the improvement of security labour measures and a bigger enterprises consciousness.

Sustainability policies

Label	Macro objective	Id. typology	Data source	Time period	Time trend	Criticality	Responses /actions
Policies, activities and agreements towards sustainability	10.1	R	Comarca	2011	↑ Establishment of the new Sustainable Development Comarca's Plan.	😊 Trend similar to Aragón (all comarcas have their own Plan).	😊 Public investment on sustainable development projects is increased.

Participation in decision-making							
Label	Macro objective	Id. typology	Data source	Time period	Time trend	Criticality	Responses /actions
Number of participation processes	1.2	R			⚠️ In the last 5 years began 5 processes.	⚠️	⚠️ Some proceses haven't had continuity on participacion in decisión-making (tables, following committe, etc.) but the most of thier actions and measures have been implemented.
Number of Agenda 21 processes	1.3	R			⚠️ There is 1 process started.	⚠️ The most of comarcas in Aragon haves elaborated their own Agenda 21.	⚠️
Number of processes developed with neighboring areas	1.2	R			⚠️ In the last 5 years didn't begin this kind of process.	⚠️	⚠️

Green purchasing							
Label	Macro objective	Id. typology	Data source	Time period	Time trend	Criticality	Responses /actions
		R			⚠️ There aren't green purchasing.	⚠️	⚠️

Other eco-management activities							
Label	Macro objective	Id. typology	Data source	Time period	Time trend	Criticality	Responses /actions
		R			⚠️ There aren't Other eco-management	⚠️	⚠️

						activities.				
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AALBORG COMMITMENTS

- 1.1 Further develop a commonly shared long-term vision for a sustainable city or a town.
- 1.2 Build participation and sustainable development capacity in the local community and municipal administration.
- 1.3 Invite all sectors of local society to participate effectively in decision-making.
- 2.1 Strengthen Local Agenda 21 or other local sustainability processes and mainstream them into the heart of local government.
- 3.1 Reduce primary energy consumption, and increase the share of renewable energies.
- 3.2 Improve water quality, save water, and use water more efficiently.
- 3.3 Promote and increase biodiversity, and extend and care for designated nature areas and green spaces.
- 3.4 Improve soil quality, preserve ecologically productive land and promote sustainable agriculture and forestry.
- 3.5 Improve air quality.
- 4.1 Avoid and reduce waste, and increase re-use and recycling.
- 4.2 Manage and treat waste in accordance with best practice standards.
- 4.5 Actively promote sustainable production and consumption, in particular of eco-labelled, organic, ethical and fair trade products.
- 5.1 Re-use and regenerate derelict or disadvantaged areas.
- 5.2 Avoid urban sprawl by achieving appropriate urban densities and prioritizing brown field site over green field site development.
- 5.3 Ensure the mixed use of buildings and developments with a good balance of jobs, housing and services, giving priority to residential use in city centers.
- 5.4 Ensure appropriate conservation, renovation and use/re-use of our urban cultural heritage.
- 5.5 Apply requirements for sustainable design and construction and promote high quality architecture and building technologies.
- 6.1 Reduce the necessity for private motorized transport and promote attractive alternatives accessible to all.
- 6.2 Increase the share of journeys made by public transport, on foot and by bicycle.
- 6.3 Encourage transition to low-emission vehicles.
- 6.4 Develop an integrated and sustainable urban mobility plan.
- 6.5 Reduce the impact of transport on the environment and public health.
- 7.1 Raise awareness and take action on the wider determinants of health, most of which lie outside the health sector.
- 7.5 Mobilize urban planners to integrate health considerations in their planning strategies and initiatives.
- 8.1 Adopt measures that stimulate and support local employment and business start-ups.
- 8.2 Cooperate with local businesses to promote and implement good corporate practice.
- 8.3 Develop and implement sustainability principles for the location of businesses.
- 8.4 Promote sustainable local tourism.
- 9.2 Ensure equitable access to public services, education, employment opportunities, training, information, and cultural activities.
- 9.5 Secure good quality and socially integrated housing and living conditions.
- 10.1 Develop and follow a strategic and integrated approach to mitigate climate change, and work towards a sustainable level of greenhouse gas emissions.

10.2 Mainstream climate protection policy into our policies in the areas of energy, transport, procurement, waste, agriculture, and forestry.

10.3 Raise awareness of the causes and probable impacts of climate change, and integrate preventive actions into our climate change policy.