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# DONAUREGIONEN+

## The case study of Călărași county (NUTS 3)

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URBANPROJECT BRANCH

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## The case study of Călărași county (NUTS 3)

- Călărași County is situated in the South-Eastern part of Romania, on the left side of the Danube and of Borcea Danube's branch.
- Its neighbours are: Ialomița county (in North), Constanța county (in East), Giurgiu and Ilfov counties (in West) and Bulgaria in South.
- The county has 2 municipalities, out of which 1 is the county residence (Călărași municipality), 3 towns and 50 communes.

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### X VALUE

Indicator name	Value of the Indicator	Min	Max	X Value	Average X of the Danube regions	Bennett Index
<b>Natural conditions</b>						
Protected areas	0	0	0	-3	-0.32	23.08
Water pollution	24	1	40	0.94	-0.08	
Nox pollution	1	0	39	-2.85	0.08	
Landfills	21	1	27	1.02	0.02	
<b>Settlement structure and Human Resources</b>						
with over 5000 inhabitants	61,7	33,21	200	-0,44	-0,39	
Dwellings per 1000 inhabitants	375	304,16	615	-1,66	-0,63	
University students/1000 inhabitants	2	0	121,5	-0,91	-2,01	
Density of population	62,4	25,7	888,1	-2,88	-2,75	
Urbanity index	79,7	51,1	129,3	1,27	0,14	
<b>Transport and Technical Infrastructure</b>						
Density of motor & expressways	0,021	0	0,11	1,85	1,46	
Density of railways	0,02	0	0,228	-4,47	-2,26	
for transport passengers	0	0	8366700	-0,00	-2,71	
133x11 corridors	0,04	0	15,093	-1,18	-1,14	
Natural gas	7,6	0	181	-2,15	-0,11	
Drinking water supply	70,9	14	100	0,87	1,38	
Waste water treatment	32,8	0	95,71	-0,94	-0,79	
<b>Economy</b>						
GDP per capita in PPP, % of EU average	23,84	11,27	131	-3,38	-1,61	
Labour force participation, %	23,7	39,3	70,6	-0,45	0,21	
Unemployment rate, %	9	7	13,8	-0,36	-0,43	
Employed in tertiary branch, %	21,91	17,03	47,05	-0,45	-0,59	

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**The analysis shows that:**

- Among the indicators groups ad compared with the Danube regions, in Călărași County the state of Transport and Technical infrastructure is the worst and the state of Economy is the best.
- Concerning the X values, only 3 of them have positive values, in connection with landfills, drinking water supply and water pollution. The lower values are connected to air transport (-3, since there is no airport in the county), density of population and university students per 1000 inhabitants.

Comparing the X values with average values, it is easy to compare the situation of Călărași County for each general scheme.

**The X values of the 4 general schemes of Călărași NUTS 3 county on radar diagrams**

Current state of the indicator:

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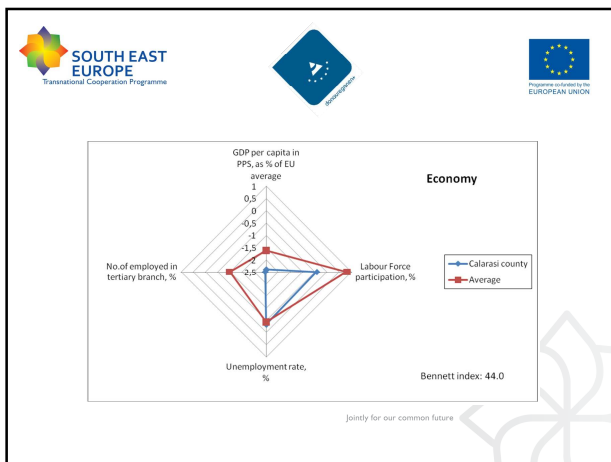
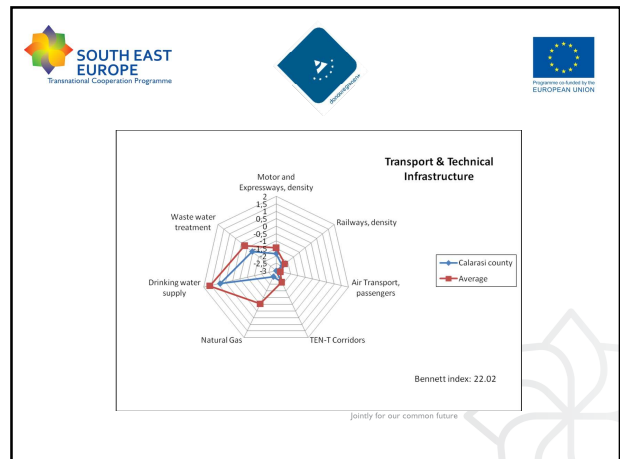
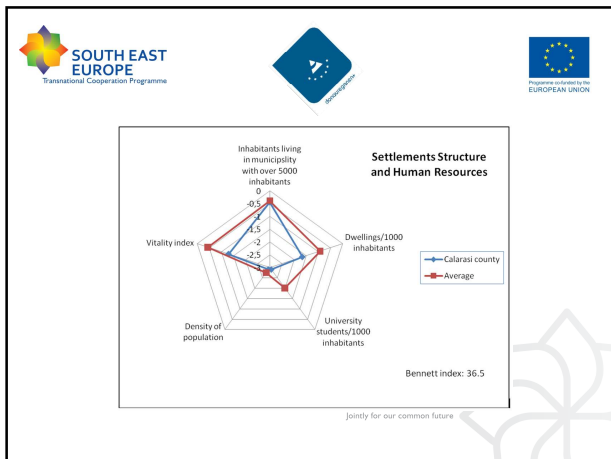
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Protected Areas  
Landfills  
NOx Pollution  
Water Pollution  
Bennett Index: 35.1

Legend: Călărași county (blue line), Average (red line)

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### Y VALUE

**NUTS 3 REGION IDENTIFICATION**

**NUTS 3 name:** Calarasi County  
**NUTS 3 code:** RO312  
**NUTS 3 logo:**

**Administration (address):** Str. Sloboziei, nr. 9-11, Calarasi, 910001  
 (Calarasi County Prefecture), Str.1 Decembrie 1918, nr.1, Calarasi, 910019  
 (Calarasi County Council)

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### KEY STAKEHOLDERS IDENTIFICATION

<p><b>Organization:</b> Calarasi County  <b>Address:</b> Str.1 Decembrie 1918, nr.1, Calarasi, 910019  <b>Type of organization:</b> County Council</p>	<p><b>Organization:</b> Budesti  <b>Address:</b> Calea Bucuresti, nr. 75, 915100  <b>Type of organization:</b> Local Municipality</p>
<p><b>Organization:</b> Calarasi County  <b>Address:</b> Str. Sloboziei, nr. 9-11, Calarasi, 910001  <b>Type of organization:</b> Prefecture</p>	<p><b>Organization:</b> Fundulea  <b>Address:</b> B-dul 22 Decembrie 1989, nr. 151, 915200  <b>Type of organization:</b> Local Municipality</p>
<p><b>Organization:</b> The city of Calarasi  <b>Address:</b> Str. 1 Decembrie 1918 nr. 3-5, Calarasi, 910019  <b>Type of organization:</b> Local Municipality</p>	<p><b>Organization:</b> Lehlu - Gara  <b>Address:</b> Pompierilor, nr. 3, 915300  <b>Type of organization:</b> Local Municipality</p>
<p><b>Organization:</b> The city of Oltenita  <b>Address:</b> B-dul Republicii nr. 64, 915400  <b>Type of organization:</b> Local Municipality</p>	<p><b>Organization:</b> Regional Development Agency South Muntenia  <b>Address:</b> Str. 1 Decembrie 1918 no. 1, Calarasi, 910019  <b>Type of organization:</b> Non-Profit corporation</p>

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### KEY DOCUMENTS IDENTIFICATION (DOCUMENTS OF SPATIAL PLANNING AND REGIONAL DEVELOPMENT AND KEY DOCUMENTS CONCERNING PARTICULAR SECTORS)



**STRATEGIES**

**Document title:** Regional Development Plan (PDR) 2007 - 2013  
**Author:** Regional Development Agency South Muntenia  
**Date of Elaboration:** 2007  
**Publisher:**  
**Place of edition:**  
**Identification number (International Standard Book Number):**

**Document title:** Regional Action Plan for Education (PRAJ) 2010  
**Author:** AJOFM Dambovitza  
**Date of Elaboration:** 2003  
**Publisher:**  
**Place of edition:**  
**Identification number (International Standard Book Number):**

**Document title:** Regional Action Plan for Employment 2006 - 2008  
**Author:** Regional Development Agency South Muntenia  
**Date of Elaboration:** 2006  
**Publisher:**  
**Place of edition:**  
**Identification number (International Standard Book Number):**

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**Document title:** Calarasi County Strategy for Sustainable Development 2007-2013  
**Author:** Calarasi County  
**Date of Elaboration:** 2007  
**Publisher:**  
**Place of edition:**  
**Identification number (International Standard Book Number):**

**Document title:** Calarasi County Spatial Plan (PATI)  
**Author:** Calarasi County / INCU URBANPROIECT  
**Date of Elaboration:** 1995  
**Publisher:**  
**Place of edition:**  
**Identification number (International Standard Book Number):**

**Document title:** Strategy for Regional Innovation 2008 – 2013  
**Author:** Regional Development Agency South Muntenia  
**Date of Elaboration:** 2008  
**Publisher:**  
**Place of edition:**  
**Identification number (International Standard Book Number):**

**Document title:** Tourism Development Strategy for Calarasi (RO) – Silistra (BG) 2007 - 2013  
**Author:** Calarasi County Council / Silistra Municipality  
**Date of Elaboration:** 2007  
**Publisher:**  
**Place of edition:** Jointly for our common future  
**Identification number (International Standard Book Number):**




### IDENTIFICATION OF RELEVANT DOCUMENTS (1)

For Călărași County were studied 29 planning documents, in 4 geographical layers.

**National (NUTS 0) level (blue color)**

- National Development Plan (NDP) 2007-2013
- National Strategic Reference Framework (NSRF) 2007-2013
- National Sustainable Development Strategy Romania 2013-2020-2030
- National Strategic Plan of Rural Development 2007-2013
- National Plan for Research, Development and Innovation 2007-2013
- National Strategic Plan for Fishing, 2007-2013
- Regional Operational Program (ROP) and the Complement Program 2007-2013
- Sectoral Operational Program Human Resources Development 2007-2013
- Sectoral Operational Program Transport 2007-2013
- Sectoral Operational Program Environment 2007-2013
- Sectoral Operational Program Increase of Economic Competitiveness 2007-2013
- Romania-Bulgaria Cross Border Cooperation Operational Program
- Integrated Strategic Plan in the field of Transport and Infrastructure
- Master Plan for Tourism Development 2007-2019
- Government Strategy for the development of broadband electronic communications 2009-2015
- The strategy of exploiting renewable energy




**Regional (NUTS 2) level (yellow color)**



- Regional Development Plan of the Region South - Muntenia 2007-2013
- Regional Waste Management Plan 2007-2013
- Regional Action Plan for Employment - South Muntenia Region
- Regional Action Plan for Education (PRAI) - South Muntenia Region
- Development of business infrastructure in the border area, Silistra and Calarasi
- Crossborder Tourism on Lower Danube / Crossborder Strategic Tourism Development in the Calarasi - Silistra region

**County (NUTS 3) level (green color)**

- Calarasi County Development Plan 2007-2013
- Calarasi County Strategy for Social - Economic Development 2001-2004
- Calarasi County Strategy to promote foreign investment

**Local (NUTS 5) level (black color)**



- Development Strategy of Calarasi Municipality 2009-2013
- Sustainable Development Strategy 2007-2013 for the following communes: Alexandru Odobescu, Dichiseni, Borcea.



### IDENTIFICATION OF RELEVANT MEASURES (2)

650 measures were identified.

Name of the document	Measure	Indicators
National Rural Development Plan 2007-2013	Vocational training, information actions and the diffusion of knowledge (will be financed by EAFRD)	7, 18, 19, 20
	Intensification of small farms (will be financed by EAFRD)	18, 19
	Modernization of agricultural holdings (will be financed by EAFRD)	17, 23
	Helping out in agricultural and forestry products (will be financed by EAFRD)	17, 23, 18, 19
	Improving and developing the infrastructure related to the development and adaptation of agriculture and forestry (will be financed by EAFRD)	17, 18, 19
	Supporting semi-subsistence agricultural holdings (will be financed by EAFRD)	17, 18
	Setting up of pasture groups (will be financed by EAFRD)	17, 18, 19
	Providing farm advisory and extension services (will be financed by EAFRD)	17, 18
	Support for less favoured areas (will be financed by EAFRD)	17, 18
	Agricultural environment payments (will be financed by EAFRD)	17, 18
	First processing of agriculture land (will be financed by EAFRD)	18, 19, 8
	Support for micro-enterprises creation and development (will be financed by EAFRD)	8, 17, 18, 19, 20
	Encouragement of tourist activities (will be financed by EAFRD)	17, 18, 19, 20, 11, 6, 20
	Widening rural development, improving basic services for the rural economy and population and upgrading the rural heritage (will be financed by EAFRD)	9, 18, 19
Early retirement of farmers and foresters	17, 18, 19	
Romania National Tourism Development Master Plan 2007-2020	NATRA 2005 payments on agricultural and forestry land	9, 18, 19
	First processing of non-agricultural land	2, 18, 19
	Acquiring skills, training and implementing the local development strategies	2, 18, 19
	Danube tourism, to provide common systems of shipping and administrative operations for Romanian Danube ports	2, 18, 20
	Annual meetings of all relevant Danube authorities and operators to agree solutions to common issues regarding Danube river traffic	2, 18, 20
	The establishment of Danube Ferry Boats, as Romania's first long distance ferrying trail	11
	Preparing funding application to complete mapping, and route designation for the Danube trail	18
	Promoting Danube cruise program, dissemination of the schedule of passenger Danube cruises	20, 2
	Promoting repeated visits on the Danube by promotional material for passengers	20, 2
	Establish a throughout for the dissemination of data and passenger schedules to ports and operators	20, 2
Ports belonging to local authorities will prepare and implement ports reception and access facility plans	2, 18	



Călărași County Development Plan 2007-2013	Rehabilitation and modernization of several county roads of Călărași county in order to improve its access to TEN-T road European transport network. (POSD Priority area 2.2, domain: PDI area 2.2)	11, 17, 5, 8, 18, 19, 20
	Rehabilitation and modernization of the access roads to remote localities	11, 17, 5, 8, 18, 19, 20
	Construction and modernization of key roads around urban localities	11, 17, 5, 8, 18, 19, 20
	Construction and modernization of roads having access to the highway	11, 17, 5, 8, 18, 19, 20
	Construction, rehabilitation and modernization of roads accessing tourist and rural areas	11, 17, 5, 8, 18, 19, 20
	Rehabilitation and construction of port infrastructure	11, 17, 5, 8, 18, 19, 20
	Development of new transport facilities on the route Călărași (Romania) – Silistra (Bulgaria)	5, 8, 11, 17, 18, 19
	Improve the access of Călărași Municipality to the Danube by the rehabilitation of the Călărași iron and steel factory	5, 8, 11, 17, 18, 19, 20
	Rebirth of Călărași Municipality port (PDI) Transport Priority area 2.2.3, PDI area 2.2)	5, 8, 11, 17, 18, 19, 20
	Financing the Danube-Scheldt channel, with positive influence on freight transport and on economic activity in the area	2, 12, 18, 19
	Creation of intermodal transport corridors	17, 18, 19
	Construction of a ring road around Călărași Municipality (PDIAR, CSC, 2005, PDI priority area 2)	5, 8, 11
	Expansion of the transport network in Giulești Municipality with a ring road to the highway and with national roads (PDI priority area 2)	13, 5, 8
	Renewal of road infrastructure in Giulești Municipality to improve the road network (PDI priority area 2)	13, 5, 8
Construction of a bridge in Dunărea Nouă, necessary for the crossing of Măgălaia Valley (government program)	5, 8	
Rehabilitation and modernization of communal and county roads of the county (PDI, area 5.2.4)	5, 8	
Adaptation to paved roads (PDI priority area 3)	5, 7	
Connection of all dwellings to the electricity network (government programs)	5, 8, 9	
Modernization of electric energy production, transport and distribution (government programs and private sources)	5, 8, 9	
Cost supply in budget from government programs	13, 5, 8, 9	
Extension of gas supply in urban areas (government programs)	14, 5, 8, 9	
Improvement and modernization of electric energy transport and distribution network	14, 5, 8, 9	
Investment in equipment for the production and distribution of electric energy with high energetic efficiency	14, 5, 8, 9	
Investment in research programs in the field of alternative energy generation	17, 18, 19, 20	
Activating the necessary infrastructure to develop alternative sources of energy generation and distribution	17, 18, 19, 20	
Extension of gas supply network to economic sectors	14, 5, 8, 9	
Modernization and extension of drinking water supply network and of sewerage system in urban and rural areas (PDI Environment area 3)	15, 5, 8, 9	
Improvement of drinking water quality in urban areas	15, 5, 8, 9	
Modernization and construction of drinking water treatment stations and of wastewater treatment stations (Structural Funds, Cohesion Funds)	15, 8	

### IDENTIFICATION OF RELEVANT MEASURES (3)

Indicator area	Measure activity
Indicator 1 - Protected areas	1. Development of a common management system for environment protection – NATURA 2000, a common heritage (POS cross-border cooperation Ro-Bu – FEDR, priority area 2.1.1)
	2. Protection and rehabilitation of natural parks and reserves
	3. Protection and promotion of NATURA 2000 protected area Galina Lake (POS Environment, LEADER)
Indicator 2 - Water pollution	1. Promoting repeated visits on the Danube by promotional material for passengers
	2. Rehabilitation and construction of port infrastructure
	3. Development of river transport for fer passengers in the cross-border area Calarasi (Ro) – Silistra (Bu) (PDIAR, CSC, POS priority area 1-crossborder cooperation)
	4. Establishing the Danube-Black Sea Channel, with positive influence on freight transport and on economic activity in the area
	5. Reducing the pollution on Borcea Branch (government programs) – COI (Environment Funds)
	6. Water management works (water-course regulation), limnetization
	7. Introducing the measures of waste selective collection and their recycling (Structural Funds, Cohesion Funds)
	8. Increasing the degree of selective waste collection (POS Environment, priority area 2)
	9. Extension of waste collection system rural area (Structural Funds, Cohesion Funds)
	10. Construction of ecological facilities in order to eliminate household waste and dangerous waste (Structural Funds, Cohesion Funds)
	11. Ensuring the storage capacity of solid household waste in urban area (POS Environment, priority area 2)
	12. Construction in each commune of plantations for natural cleansing of non-degradable waste (POS Environment, priority area 2)
	13. Creation of ecologic industrial sites
	14. Development of ecologic agriculture (PDIAR)
	15. Development of animal husbandry sector (PDIAR)
16. Development of tourism activities in the adjacent area of the Danube: Borcea branch and Calarasi municipality – Dunărea Nouă (POS priority area 5.2.2)	

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Indicator 20 Employed in tertiary branch	Measure / activity
	1. Vocational training, information actions and the diffusion of knowledge (will be financed by EAFRD)
	2. Reinforcement of tourist activities (will be financed by EAFRD)
	3. Village renewal and development: improving basic services for the rural economy and population and upgrading the rural heritage (will be financed by EAFRD)
	4. Disabled cruises: to provide common systems of charging and administrative operations for Romanian Danube ports
	5. Annual meetings of interested Danube authorities and operators to agree solutions to common issues regarding Danube cruise traffic
	6. Preparing landing applications to complete mapping and route description for the Danube-rail
	7. Promoting Danube cruise programs, dissemination of the schedules of passengers Danube trips
	8. Promoting repeated visits on the Danube by promotional material for passengers
	9. Establish a chargepoint for the dissemination of ship and passenger schedules to ports and operators
	10. Rehabilitation and modernization of several county roads of Calarasi county in order to improve its access to TEN-T road European transport network. (PODR priority axis 2, 3 domain, POB axis 2.7)
	11. Rehabilitation and modernization of the access roads to remote location
	12. Construction and modernization of loop roads around urban localities
	13. Construction and modernization of roads having access to the highway
	14. Construction, rehabilitation and modernization of roads connecting port and cultural areas
	15. Rehabilitation and construction of port infrastructure
	16. Reform of Calarasi Municipality port (POB Transport Priority axis 2, 3; PSDA axis 2.2)
	17. Investments in research programs in the field of climate's energy generation
	18. Achieving the necessary infrastructure to develop alternative sources of energy generation and distribution
	19. Socio-economic revival of Oltenia municipality by the development of tourism activities (POB priority axis 2)
	20. Development of agri-tourism on Danube bank (government program) (PODR priority axis 3)
	21. Development of a river transport line for passengers in the cross-border area Calarasi (Ro) - Sîlnita (Hu) (PSIARE CBC, POB priority axis 4, cross-border cooperation)
	22. Development of a river transport line for passengers in the cross-border area Calarasi (Ro) - Sîlnita (Hu) (PSIARE CBC, POB priority axis 4, cross-border cooperation)
	23. Rehabilitation of cultural and historical heritage buildings in Calarasi municipality (POB priority axis 1)
	24. Development of tourism activities in the adjacent area of the Danube, Borcea branch and Calarasi municipality - Dabulita Park (POB priority axis 1, 2)

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### Problems

- Too many measures
- Difficulties in understanding the methodology.
  - Y values (Y75, Y50, Y25) are coming from....
  - Theoretical approach: The measure of constructing new hotels in the region does not necessary means that the average guest nights will increase. There is a possibility of non-occupying the hotels, if, for ex. the transport infrastructure is poor etc.

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## Thank you for your attention!



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