

REGIONAL BIOECONOMY PROFILE

VENETO (IT)



POLICY

Structure of the Bioeconomy Institutional system

Info source: Region

Responsible Regional
Authorities / Agencies

Regione Veneto –Sezione Agroambiente – Servizio Ricerca
Sperimentazione e Diversificazione delle Attività Aziendali
Veneto Region Agri-environment-Section – Research Service
Experimentation and Diversification of Business Activities
Website (www.regione.veneto.it)

List of " bioeconomy-relevant" regional policy initiatives

Regional Bioeconomy Smart Specialisation Strategy (if applicable)	N.A.
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REGIONAL BIOECONOMY RELATED POLICY INITIATIVES

BIOMASS PRODUCTION (Agriculture,
Forestry, Marine, Aquaculture, and
Waste)

N.A.

BIOMASS CONVERSION (Food/feed,
Energy, and Industry uses)

N.A.

**ADDITIONAL REGIONAL POLICY
INFORMATION**

N.A.



RESEARCH

R&D Investments (public and private sector)

REGIONAL PUBLIC R&D INVESTMENT in Bioeconomy (year xxxx)

Info source: Region

R&D investment related to :

Biomass production	N.A. M EUR
Agriculture	
Forestry	
Marine	
Waste	
Biomass conversion	N.A. M EUR
Food/feed use	
Energy use	
Industry uses	

PRIVATE R&D INVESTMENT in Bioeconomy (year 2011)

Info source: Region

R&D investment related to :

Biomass production	12.5 M EUR ¹
Agriculture	
Forestry	
Marine	
Waste	
Biomass conversion	N.A. M EUR
Food/feed use	
Energy use	
Industry uses	

¹ Regione Veneto - Regional Statistics System Section: Data extracted from the census survey, 2011 "Research and development in enterprises", intended for the agricultural sector (including fisheries)

R&D Programmes in Bioeconomy

EUROPEAN R&D ACTIVITIES in Bioeconomy (year 2007 - 2013)

Info: Regional Participation in FP6, FP7, KBBE, H2020 projects in Bioeconomy or related

Listing of Regional Participation in EU bioeconomy R&D projects



Examples of EU bioeconomy R&D projects

✓ Project GR3

Total funds: 1.582.000 €

Funding Source: Cofinanziato Unione Europea, Programma IEE/Veneto Agricoltura

The project aims to promote the production of biogas from waste materials grassy obtained from the management of rural areas and urban green areas and making use of them as a source of renewable energy.

Links:

<http://www.grassgreenresource.eu>

http://www.grassgreenresource.eu/sites/default/files/SOTA_REPORT_2014_07_04.pdf - (BATs/State Of The Art Report)

✓ Project "ALTERENERGY"

Total funds: 12.499.600 €

Funding Source: Cofinanziato Unione Europea IPA Programme - Strategic / Fondo di rotazione MiSE

The project aims to develop replicable models for sustainable management of energy resources in small local governments in the Adriatic, increasing their capacity for planning and management actions aimed at saving energy and the production of energy from renewable sources.

Links:

<http://www.alter-energy.eu/> - (Alterenergy project official website)

<http://www.venetoagricoltura.org/upload/Allegato%201%20-%20Descrizione%20sintetica%20progetto%20ALTERENERGY.pdf> (pdf – Synthesis of the Strategic Project "ALTERENERGY")

<http://www.venetoagricoltura.org/upload/Allegato%201%20-%20Descrizione%20sintetica%20progetto%20ALTERENERGY.pdf> (pdf – Synthesis of the Strategic Project "ALTERENERGY")

<http://www.arti.puglia.it/index.php?id=640>

<http://www.regione.fvg.it/rafvg/cms/RAFVG/ambiente-territorio/energia/FOGLIA13/>

<http://www.moliseineuropa.eu/?q=node/104>

<http://www.venetoagricoltura.org/subindex.php?IDSX=98> (sito Veneto Agricoltura – Bioenergie e Cambiamento Climatico)

Participation in other EU bioeconomy R&D projects:

EU R&D funding projects (FP7 or H2020)	EC Contribution	N.A. M EUR
EU regional development funding (ERDF)	EC Contribution	N.A. M EUR
EU rural development funding	EC Contribution	12.74 M EUR ²

² Regione Veneto _ Department of Agriculture and Rural Development. Subsidy for the development of R & D projects through Measure 124-PSR 2007-2013.



NATIONAL/REGIONAL R&D Activities in Bioeconomy

Info: Veneto Agriculture

Listing of Regional Bioeconomy Research Programmes

Examples of Regional Bioeconomy Research Projects

✓ **Project “Riducareflui”**

Total funds: 2.964.500 €

Funding Source: Veneto Region

The project, starting with a survey of the reality of the livestock of the drainage basin of the Lagoon of Venice, has allowed us to evaluate a broad range of integrated systems management Effluent Breeding by techno-economic analysis, and experimental regulations concerning (a) Logistics; (b) Appointment; (c) Plant and treatment systems; (d) Enhancement of energy and agricultural products of intermediate and final, used directly or after further processing.

Links:

<http://www.venetoagricoltura.org/basic.php?ID=3895> (pdf “Le Aree Forestali di Infiltrazione”)

<http://www.venetoagricoltura.org/basic.php?ID=3890> (pdf “Filieri e Tecnologie di trattamento degli effluenti di allevamento”)

<http://www.venetoagricoltura.org/basic.php?ID=3783> (pdf pubblicazione “Nitrati da problema a risorsa”)

<http://www.venetoagricoltura.org/basic.php?ID=3760> (pdf pubblicazione “Deroga Nitrati-istruzioni per l’uso”)

<http://www.venetoagricoltura.org/content.php?IDSX=58&SIDSX=122>

http://www.arpa.veneto.it/temi-ambientali/suolo/file-e-allegati/documenti/utilizzo-agronomico-di-effluenti-di-allevamento-direttiva-nitrati/RiducaReflui_Azione4_30-4-14.pdf/view (pdf Azione 4 -Relazione finale Studio di fattibilità sul trattamento delle deiezioni animali in impianti di trattamento delle acque reflue dismessi – Arpav Veneto)

http://www.agricoltura24.com/riducareflui-cosi-fa-il-veneto/0,1254,26_ART_6609,00.html

http://www.agricoltura24.com/01NET/Card_Library/IZ_13_05_Riducareflui.pdf (pdf dossier/nitrati “Così fa il Veneto”)

<https://it-it.facebook.com/riducareflui/notes>

✓ **Project ENRICO**

Total funds: 62.000 €

Funding Source: Cofunded by Veneto Region (PSR Misura 124) and “Veneto Agricoltura”

The project involved an assessment of the energy exploitation of solid manure produced in rabbit farms. The intent of the project was to define a preliminary study protocol enhancement of the lady rabbit, and identify the main technical and economic supply chain.

Links:

<http://www.venetoagricoltura.org/upload/pdf%20pieghevoli/Dep%20EnRiCo%20web.pdf> (pdf pieghevole di presentazione workshop)



✓ **Project CARBOSTOP**

Total funds: 267.300 €

Funding Source: MIPaF

Evaluation of the effects of a conversion in Short Rotation Forestry for agricultural areas subject to subsidence in the area of jurisdiction of the "Reclamation Consortium Bacchiglione Adige", and the construction of a dedicated bio-energy chain. It is to create a model of small chain closed timber-energy with the realization of a series of orchards model specialized for the production of biomass and make an estimate that would quantify the improvements expected environmental, first of all the reduction or zeroing CO₂ emissions from land concerned (CO₂ balance widened, including the valuation of stocks and sinks direct and indirect effects due to changes in land use, the modified parameters of the soil and the potential uses of woody material retractable).

Links:

Report to be published



MARKETS

References to existing Market Studies/Forecasts about Bioeconomy

	Enterprises	Employment	Turnover	Value added
	number	number	M EUR	M EUR
Biomass production sectors				
Agriculture ¹	225835	209889	N.A.	N.A.
Forestry ¹	22415	N.A.	N.A.	N.A.
Marine& Aquaculture ²	2709	4481	N.A.	N.A.
Waste ²	466	9805	2,25	0,70
Biomass conversion sectors				
Food/Feed ²	3666	41821	15,17	2,72
Energy ²	517	2380	5,83	1,68
Industrial incl. ²	21409	221368	45,46	10,37
- Paper	443	15084	4,93	0,66
- Wood	4047	20512	3,01	0,69
- Chemicals	1791	36383	10,42	2,52
- Wear	7735	80960	16,75	3,43
-Furniture	7393	68429	10,35	3,07

1. ISTAT. Dati estratti dal 6° Censimento dell'Agricoltura 2010

2. Elaborazioni Regione Veneto -Sezione Sistema Statistico Regionale. Dati estratti dal 9° Censimento dell'industria e dei servizi e Censimento delle istituzioni non profit

i GENERAL INFORMATION

Main/Regional economic and social indicators

Info source: Eurostat

REGIONAL DEMOGRAPHY

Number of inhabitants	people	4 881 756 p
Population by age group	Share of total population (%)	23.6 % (<25) 55.6 % (25-64) 37.2 % (>64)

REGIONAL ECONOMY (2011)

GDP	M EUR	149 527 M EUR
GDP per head	Euro per inhabitant	30 200
GDP per head	Euro per inhabitant in percentage of the EU average	121
GDP PPS	Euro per inhabitant	29 600
GDP PPS	Euro per inhabitant in percentage of the EU average	118

REGIONAL ECONOMY STRUCTURE

Agriculture weight in the economy	% of GVA % of employment	N.A. % N.A. %
Industry & construction weight in the economy	% of GVA % of employment	N.A. % N.A. %
Services weight in the economy	% of GVA % of employment	N.A. % N.A. %

REGIONAL SOCIAL

Employment rate, aged 20-64	% of population, aged 20-64	67.8 %
Unemployment rate	% of the active population	25.3 %
Unemployment rate of young people	% of the active population less than 25 years	7.4 %

Symbols, Units, Acronyms used

%	Percentage
N.A.	Not Available
T.B.C.	To Be Confirmed
p	People
EUR	Euro
Bn	Billion
M EUR	Million Euros
FP6	Sixth Framework Programme
FP7	Seventh Framework Programme
H2020	Horizon 2020
R&D	Research and Development
KBBE	
ERDF	EU regional development funding
GDP	Gross Domestic Product
GDP PPS	Gross Domestic Product in Purchasing Power Standards
GVA	Gross Value Added

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