



**Biomass energy register
for sustainable site development for
European regions**

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BEn

**Biomass energy register for sustainable site development
for European region (BEn)**
Intelligent Energy – Europe (IEE)

Horizontal action: Bio Business Initiative

**Deliverable D3.4: Report on existing and newly collected
data in the region**

Authors: Michael Jandewerth (Fraunhofer UMSICHT) and the BEn team
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1. Introduction

The Deliverable 3.4 shows the data sources where the data in the BEn register is coming from. The first sheet is an overview sheet compiling the data sources for each project partner for each category. The second, third, fourth and fifth sheet shows the data source in each country sorted by origin, copyrights and comments to each category.

2. Overview

Colour key for the overview table:

- Existing data at different source
- Data collected within the BEn tea,
- Data not available
- Potential not relevant for the region or data basis not accessible

Category	Theme/ Layer	Data source			
		UK	Italy	Germany	Poland
Energy sinks					
Economy/ industries	Industrial facilities	CORINE http://www.eea.europa.eu/data-and-maps/data/clc-2006-vector-data-version	CORINE http://www.eea.europa.eu/data-and-maps/data/clc-2006-vector-data-version	CORINE http://www.eea.europa.eu/data-and-maps/data/clc-2006-vector-data-version	CORINE http://www.eea.europa.eu/data-and-maps/data/clc-2006-vector-data-version
		National Grid http://www.nationalgrid.com/uk/LandandDevelopment/DC/GasElectricNW/undergroundcables/shape/			
Public sector	Places of public services - hospitals - schools - leisure centres - etc.	UK: Ordnance survey, https://www.ordnancesurvey.co.uk/opendata/download/products.html	Direzione regionale cultura http://www.umbriaterritorio.org/umbria/cartematematiche/piani_progetti/istruzione/pdf/elementari/scuole_elem04_250_web.pdf	BEn-Project (questionnaire)	BEn-Project (questionnaire)

Biomass potentials					
A1	Agricultural residues/crops				
A1.1	Grown on arable land				
A1.1.1	Short rotation	Natural England stats. (http://www.naturalengland.org.uk/) / Defra stats (http://ww2.defra.gov.uk/)			
A1.1.2	Grass / silage				
A1.1.3	Energy crops e.g. corn	DEFRA stats. / NNFCC (http://ww2.defra.gov.uk/)		WLV - Westfälisch-Lippischer Landwirtschaftsverband (http://www.wlv.de/)	
A1.2	Grown on grassland				
A1.2.2	Grass / silage	DEFRA stats. / NNFCC (http://ww2.defra.gov.uk/)		WLV - Westfälisch-Lippischer Landwirtschaftsverband (http://www.wlv.de/)	
A1.4	Residues				
A1.4.3	Straw	DEFRA stats. / NNFCC (http://ww2.defra.gov.uk/)	Italian National Institut of Statistics (http://en.istat.it/), ENEA	Project BioRegio (http://www.bioregio.info/)	Central Statistical Office, National Agricultural Survey 2002, www.stat.gov.pl
A1.4.4	Other husks			Project BioRegio (http://www.bioregio.info/)	
A2	Livestock waste				
A2.1	From livestock farming	DEFRA stats. (http://ww2.defra.gov.uk/)	Italian National Institut of Statistics, (http://en.istat.it/) Umbria region Agricultural department	WLV - Westfälisch-Lippischer Landwirtschaftsverband (http://www.wlv.de/)	County Veterinary Office, Agency for Restructuring and Modernisation of Agriculture, Central Statistical Office, National Agricultural Survey 2002, www.stat.gov.pl
A3	Forestry biomass/residues	Forest Research, Sept 2010			
A3.1	From forestry				
A3.1.1	wood blocks		Italian National Institut of Statistics (http://en.istat.it/), ENEA	Project BioRegio (http://www.bioregio.info/)	State Forests National Forest Holding
A3.1.2	logs, branches			Project BioRegio (http://www.bioregio.info/)	State Forests National Forest Holding

A3.2	From trees outside forests (landscape)				
A3.2.1	wood blocks			RAG Montangesellschaft KUP Zeche Hugo (http://www.rag-montan-immobilien.de/index.php?SiteID=712)	
A3.2.3	Industrial forest			Landesbetrieb Wald und Holz (http://www.wald-und-holz.nrw.de/)	
A3.3	Residues				
A3.3.1	thinnings				Basic data confidential from private companies
A4	Co-products from industries				
A4.1	Co-products from agro-industrial activities	ARUP, 2010, Waste Mapping North East			
A4.1.3	Olive Pomace		Italian National Institut of Statistics (http://en.istat.it/), ENEA		
A4.2	Co-products from wood processing activities				
A4.2.1	Sawdust		Italian National Institut of Statistics (http://en.istat.it/), ENEA		
A4.3	Co-products from other industries and trade (tertiary residues)				
A4.3.3	Demolition wood (also from households)			Project BioRegio (http://www.bioregio.info/)	
A4.3.4	Landfill gas from stored biomass			Project BioRegio (http://www.bioregio.info/)	
A5	Organic material from civil sector (e.g. MSW, parks/gardens)				
A5.1	Organic material from households (tertiary residues)				

A5.1.2	Biodegradable municipal waste			Kreis Recklinghausen, Stadt Bottrop, Stadt Gelsenkirchen	
A5.1.4	Landfill gas from stored biomass			cf. 4.3.4.	
A5.1.5	Frying oil		Italian National Institut of Statistics (http://en.istat.it/), ENEA		
A5.2	Organic material from landscaping				
A5.2.1	Prunings		Italian National Institut of Statistics (http://en.istat.it/), ENEA	Project BioRegio (http://www.bioregio.info/)	
A6	Other types of organic material	MEL, Renew, 2010 Organics project PHASE 2 2009-2010			

Biomass conversion plants

Existing biomass conversion plants	Fermentation or combustion plants	BEn-Project	BEn-Project	Energycatlas of the Region Emscher-Lippe www.energieatlas.org	BEn-Project
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Stakeholder

Stakeholder	networks technology supplier research and development financing institutions energy supplier consultancy authority biomass supplier education and training	BEn-Project	BEn-Project	BEn-Project	BEn-Project
Biomass source (also stakeholders' perspective)	Biomass producer	BEn-Project	BEn-Project	BEn-Project	BEn-Project
	Biomass supplier	BEn-Project	BEn-Project	BEn-Project	BEn-Project
	Biomass installer/maintenance	BEn-Project	BEn-Project	BEn-Project	BEn-Project

Background data

Administrative Units/ Border	Region	UK: Ordnance survey, https://www.ordnancesurvey.co.uk/opendatadownload/products.html	Derived from ESRI Data&Maps	Derived from ESRI Data&Maps	Derived from ESRI Data&Maps
	County, Local Authority	UK: Ordnance survey, https://www.ordnancesurvey.co.uk/opendatadownload/products.html	ESRI Data&Maps	ESRI Data&Maps	ESRI Data&Maps
Backdrop maps	Landuse, road networks	OpenStreetMap http://wiki.openstreetmap.org/wiki/Mapnik	OpenStreetMap http://wiki.openstreetmap.org/wiki/Mapnik	OpenStreetMap http://wiki.openstreetmap.org/wiki/Mapnik	OpenStreetMap http://wiki.openstreetmap.org/wiki/Mapnik

Additional data

Legal restriction/ spatial planning/ regional planning targets/ environmental policy guidelines	Nature protection areas - Special protection areas, - National Parks, - National Natural reserve, - Sites of specific scientific interest, - Ramsar, - Special conservation areas	Natural England: http://www.gis.naturalengland.org.uk/pubs/gis/GIS_register.asp		Master Development and Town Planning Scheme (only for Recklinghausen) www.regioplaner.de	
	Environmentally sensitive areas	Natural England: http://www.gis.naturalengland.org.uk/pubs/gis/GIS_register.asp			
	LEADER Programme areas	Durham County Council, LEADER Programmes			

3. Data profile North East England

Basic data	Origin & Source	Copyrights	Comments
Administrative Units/Borders	ESRI Data and Maps http://www.esri.com/data/data-maps/index.html	Copyrights ESRI Data and Maps	Download as ESRI shp.; regional borders derived from municipal level
OpenStreetMap - Layer Mapnik	OpenStreetMap Project http://wiki.openstreetmap.org/wiki/Mapnik	License: "Creative Commons Attribution-Share Alike 2.0"	Data integration via WMS

Application related data	Origin & Source	Copyrights	Comments
Existing biomass installations			
Existing and planned biomass plants	BEn-Project		
Energy sinks			
Economic/Industrial areas as large energy consuming facilities	Filtered from corine Data, http://www.eea.europa.eu/data-and-maps/data/clc-2006-vector-data-version	EEA standard re-use policy: re-use of content on the EEA website for commercial or non-commercial purposes is permitted free of charge, www.eea.europa.eu/legal/copyright . Copyright holder: European Environment Agency.	Geodata available as ESRI shapefile
Public sector; larger public facilities	UK: Ordnance survey, https://www.ordnancesurvey.co.uk/opendatadownload/products.html	Contains Ordnance Survey data © Crown copyright and database right 2010	Collected via questionnaire (WP3)

Ports	Filtered from corine Data, http://www.eea.europa.eu/data-and-maps/data/clc-2006-vector-data-version	EEA standard re-use policy: re-use of content on the EEA website for commercial or non-commercial purposes is permitted free of charge, www.eea.europa.eu/legal/copyright). Copyright holder: European Environment Agency.	Port areas are crucial as major heavy industries in the region located here and the new biomass power plants are planned there
Stakeholder			
Persons/Institution being part of the bioenergy network within the region	BEn-Project		Network list of BEn-Project (WP2); Network list georeferenced; stakeholder assigned to 9 categories
Biomass potentials			
A.1 Agricultural residues/crops			
A.1.1.1 Short rotation coppice	DEFRA stats. / NNFCC (http://ww2.defra.gov.uk/)		Data processed on basis of BEn biomass assessment methodology
A1.1.3 Energy crops	DEFRA stats. / NNFCC (http://ww2.defra.gov.uk/)		Data processed on basis of DECC methodology
A1.2.2 Grass/silage	DEFRA stats. / NNFCC (http://ww2.defra.gov.uk/)		Data processed on basis of BEn biomass assessment methodology
A.1.4.3 Straw	DEFRA stats. / NNFCC (http://ww2.defra.gov.uk/)		Data processed on basis of BEn biomass assessment methodology
A.2 Livestock waste			
A.2.1 Manure from Livestock farming	DEFRA stats. / NNFCC (http://ww2.defra.gov.uk/)		Data processed on basis of BEn biomass assessment methodology
A.3 Forestry biomass/residues			
A.3.1	Forest Research, Sept 2010		Data processed on basis of BEn biomass assessment methodology
A.3.2			
A.3.3			



A.4 Co-products from industries			
A.4.1 co-products from agro-industrial farming	ARUP, 2010, Waste Mapping North East		Data processed on basis of BEn biomass assessment methodology
A.5 Organic material from civil sector (e.g. MSW, parks/gardens)			
A.5.1 Organic material from households (tertiary residues)			Data processed on basis of BEn biomass assessment methodology
A.5.2 Organic material from landscaping			Data processed on basis of BEn biomass assessment methodology
A.6 Organic material from public group services	MEL, Renew, 2010 Organics project PHASE 2 2009-2010		Data processed on basis of BEn biomass assessment methodology

Other data	Origin & Source	Copyrights	Comments
Legal restriction/ spatial planning/ regional planning targets/ environmental policy guidelines			
Nature protection areas - Special protection areas, - National Parks, - National Natural reserve, - Sites of specific scientific interest, - Ramsar, - Special conservation areas	Natural England: http://www.gis.naturalengland.org.uk/pubs/gis/GIS_register.asp	©Natural England copyright 2010, reproduced with the permission of Natural England, http://www.naturalengland.org.uk/copyright/	
Environmentally sensitive areas	Natural England: http://www.gis.naturalengland.org.uk/pubs/gis/GIS_register.asp	©Natural England copyright 2010, reproduced with the permission of Natural England, http://www.naturalengland.org.uk/copyright/	
LEADER Programme areas	Durham County Council, LEADER Programmes	©Crown copyright. All rights reserved. Durham County Council. LA 100049055. 2010.	

National grid (electric line and gas pipes)	National Grid http://www.nationalgrid.com/uk/LandandDevelopment/DC/GasElectricNW/undergroundcables/shape/	©National Grid, 2010	
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4. Data Profile of Umbria Region

Basic data	Origin & Source	Copyrights	Comments
Administrative Units/Borders	ESRI Data and Maps http://www.esri.com/data/data-maps/index.html	Copyrights ESRI Data and Maps	Download as ESRI shp.; regional borders derived from municipal level
OpenStreetMap - Layer Mapnik	OpenStreetMap Project http://wiki.openstreetmap.org/wiki/Mapnik	License: "Creative Commons Attribution-Share Alike 2.0"	Data integration via WMS

Application related data	Origin & Source	Copyrights	Comments
Existing biomass installations			
Existing and planned biomass plants	CRB data	CRB data	Data collected by CRB within different projects
Energy sinks			
Economic/Industrial areas as large energy consuming facilities	Filtered from corine Data, http://www.eea.europa.eu/data-and-maps/data/clc-2006-vector-data-version	EEA standard re-use policy: re-use of content on the EEA website for commercial or non-commercial purposes is permitted free of charge, www.eea.europa.eu/legal/copyright . Copyright holder: European Environment Agency.	Geodata available as ESRI shapefile
Elementary schools	Umbria region Maps	Data available on the web	
Stakeholder			
Persons/Institution being part of the bioenergy network within the region	BEn-Project; CRB data		Network list of BEn-Project (WP2); Network list georeferenced; stakeholder assigned to 9 categories

Biomass potentials			
A.1 Agricultural residues/crops			
A.1.4.3 Straw	Italian National Institut of Statistics (http://en.istat.it/), ENEA	Data available on the web	The data coming from the National Institut of Statistics were used to calculate the main products yields then the residue was calculated using data from ENEA
A.2 Livestock waste			
A.2.1 Manure from Livestock farming	Italian National Institut of Statistics, Umbria region Agricultural department	Data available on the web	The data coming from the National Institut of Statistics were used to calculate the main products yields then the residue was calculated using data from Umbria Region
A.3 Forestry biomass/residues			
A.3.1 From forestry	Italian National Institut of Statistics, ENEA	Data available on the web	The data coming from the National Institut of Statistics were used to calculate the main products yields then the residue was calculated using data from ENEA
A.3.2 From trees outside forest	Italian National Institut of Statistics, ENEA	Data available on the web	The data coming from the National Institut of Statistics were used to calculate the main products yields then the residue was calculated using data from ENEA
A.3.3 Residues	Italian National Institut of Statistics, ENEA	Data available on the web	The data coming from the National Institut of Statistics were used to calculate the main products yields then the residue was calculated using data from ENEA
A.4 Co-products from industries			

A4.1.3 Olive husk	Italian National Institut of Statistics, ENEA	Data available on the web	The data coming from the National Institut of Statistics were used to calculate the main products yields then the residue was calculated using data from ENEA
A.5 Organic material from civil sector (e.g. MSW, parks/gardens)			
A5.1.5 Frying oil	Italian National Institut of Statistics, web	Data available on the web	The data coming from the National Institut of Statistics were used to calculate the main products yields then the residue was calculated using data from the web
A5.2.1 Prunings	Italian National Institut of Statistics, ENEA	Data available on the web	The data coming from the National Institut of Statistics were used to calculate the main products yields then the residue was calculated using data from ENEA

Other data	Origin & Source	Copyrights	Comments
Protected areas	National Geodata portal http://wms.pcn.minambiente.it/cgi-bin/mapserv.exe?map=/ms_ogc/service/aanp_f32.map	Data available on the web	Data integration via WMS
Municipalities	National Geodata Portal http://wms.pcn.minambiente.it/cgi-bin/mapserv.exe?map=/ms_ogc/service/comuni_f32.map	Data available on the web	Data integration via WMS
Urban areas and infrastructures	National Geodata Portal http://wms.pcn.minambiente.it/cgi-bin/mapserv.exe?map=/ms_ogc/service/DES_URBANO_f32.map	Data available on the web	Data integration via WMS

Digital Terrain Model	National Geodata Portal http://wms.pcn.minambiente.it/cgi-bin/mapserv.exe?map=/ms_ogc/service/dtm_20m_f32.map	Data available on the web	Data integration via WMS
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5. Data Profile of the region Emscher Lippe

Basic data	Origin & Source	Copyrights	Comments
Verwaltungsstruktur und regionale Grenzen	ESRI Data and Maps http://www.esri.com/data/data-maps/index.html	Copyrights ESRI Data and Maps	Download as ESRI shp.; regional borders derived from municipal level
OpenStreetMap - Layer Mapnik	OpenStreetMap Project http://wiki.openstreetmap.org/wiki/Mapnik	License: "Creative Commons Attribution-Share Alike 2.0"	Data integration via WMS

Application related data	Origin & Source	Copyrights	Comments
Existing biomass installations			
Existing and planned biomass plants	Energieatlas des Kreises Recklinghausen www.energieatlas.org		Data integration via WMS; service provided by Kreis Recklingshausen
Energy sinks			
Economic/Industrial areas as large energy consuming facilities	Filtered from corine Data, http://www.eea.europa.eu/data-and-maps/data/clc-2006-vector-data-version	EEA standard re-use policy: re-use of content on the EEA website for commercial or non-commercial purposes is permitted free of charge, www.eea.europa.eu/legal/copyright . Copyright holder: European Environment Agency.	Geodata available as ESRI shapefile
Public sector; larger public facilities	BEn-Project		Collected via questionnaire (WP3)
Stakeholder			
Persons/Institution being part of the bioenergy network within the region	BEn-Project		Network list of BEn-Project (WP2); Network list georeferenced; stakeholder assigned to 9 categories

Biomass potentials			
A 1 Agricultural residues/crops			
A 1.1 - Grown on arable land			
A 1.1.3 Energy crops e.g. corn	WLV - Westfälisch-Lippischer Landwirtschaftsverband www.wlv.de		Landwirtschaftlicher Kreisverband Recklinghausen http://www.wlv.de/kreisverbaende/Recklinghausen/landwirtschaft_in_der_region.php
A 1.1.4 Energy plants with structural material	n/a		
A 1.2 - Grown on grassland			
A 1.2.2 Grass / silage	WLV - Westfälisch-Lippischer Landwirtschaftsverband		Landwirtschaftlicher Kreisverband Recklinghausen http://www.wlv.de/kreisverbaende/Recklinghausen/landwirtschaft_in_der_region.php
A 1.3 - Grown on marginal land			
A 1.3.1 Short totation	n/a		
A 1.3.2 Grass / silage	WLV - Westfälisch-Lippischer Landwirtschaftsverband		Landwirtschaftlicher Kreisverband Recklinghausen
A 1.4 - Residues	WLV - Westfälisch-Lippischer Landwirtschaftsverband		Landwirtschaftlicher Kreisverband Recklinghausen
A 2 Livestock waste			
A 2.1 From livestock farming			
A 2.1.1 Solid manure	WLV - Westfälisch-Lippischer Landwirtschaftsverband		based on the conversion according to the GKuratorium für Technik und Bauwesen in der Landwirtschaft KTBL www.ktbl.de
A 2.1.2 Liquid manure	WLV - Westfälisch-Lippischer Landwirtschaftsverband		based on the conversion according to the GKuratorium für Technik und Bauwesen in der Landwirtschaft KTBL www.ktbl.de
A 3 Forestry			

biomass/residues			
A.3.1 From forestry	BioRegio www.bioregio.info		
A 3.1.1 Trunk wood			
A 3.1.2 Timber slides			
A 3.1.3 Residual forest wood			
A 3.2 From trees outside forests (landscape)			
A 3.2.1 Short totation	RAG Montan Immobiliengesellschaft		Reference to Zeche Hugo (http://www.rag-montan-immobilien.de/index.php?SiteID=712)
A 3.2.3 Industrial forest	Landesbetrieb Wald und Holz NRW		http://www.wald-und-holz.nrw.de/
A 4 Co-products from industries			
A 4.1 Co-products from agro-industrial activities			
A 4.1.1 Slaughterhouse waste	BioRegio www.bioregio.info		
A 4.2 Co-products from wood processing activities			
A 4.3 Co-products from other industries and trade (tertiary residues)			
A 4.3.2 Industrial sewage sludge	BioRegio www.bioregio.info		
A 4.3.3 Demolition wood (also from households)	BioRegio www.bioregio.info		
A 4.3.3.1 Plant /cut crops			
A 4.3.3.2 Timber			
A 4.3.4 Landfill gas from stored biomass	BioRegio www.bioregio.info		
A 5 Organic material from civil sector (e.g. MSW, parks/gardens)			
A 5.1 Organic material from households (tertiary residues)	Kreis Recklinghausen, Gelsenkirchen, Bottrop		

A 5.2 Organic material from landscaping	n/a		
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Other data	Origin & Source	Copyrights	Comments
Nature reserve	Land development plan http://www.regioplaner.de/	Kreis Recklinghausen	Only for Recklinghausen district; itegration via WMS
Landscape conservation area	Land development plan http://www.regioplaner.de/	Kreis Recklinghausen	Only for Recklinghausen district; itegration via WMS
FFH Area	Land development plan http://www.regioplaner.de/	Kreis Recklinghausen	Only for Recklinghausen district; itegration via WMS
Fallow land (industrial and commercial area)	Land development plan http://www.regioplaner.de/	Kreis Recklinghausen	Only for Recklinghausen district; itegration via WMS
Fallow land (agriculture)	Land development plan http://www.regioplaner.de/	Kreis Recklinghausen	Only for Recklinghausen district; itegration via WMS

6. Data Profile of Gostnyn Lake District

Basic Data	Origin & Source	Copyrights	Comments
Administrative Units/Borders	ESRI Data and Maps http://www.esri.com/data/data-maps/index.html	Copyrights ESRI Data and Maps	Download as ESRI shp.; regional borders derived from municipal level
Topographical maps, ortophotomap, administrative boundaries, catastral plots	WMS layers from Polish Geoportal www.goportal.gov.pl	Copyright Geoportal	Data integration via WMS
OpenStreetMap - Layer Mapnik	OpenStreetMap Project http://wiki.openstreetmap.org/wiki/Mapnik	License: "Creative Commons Attribution-Share Alike 2.0"	Data integration via WMS

Application related data	Origin & Source	Copyrights	Comments
Existing biomass installations			
Existing and planned biomass plants	BEn-Project		
Energy sinks			
public and private facilities/activities	Data from local energy plans and address information referenced by address	Public data no verified/authorised by the stakeholders	
Economic/Industrial areas as large energy consuming facilities	Filtered from corine Data, http://www.eea.europa.eu/data-and-maps/data/clc-2006-vector-data-version	EEA standard re-use policy: re-use of content on the EEA website for commercial or non-commercial purposes is permitted free of charge, www.eea.europa.eu/legal/copyright . Copyright holder: European Environment Agency.	Geodata available as ESRI shapefile
Any further data available?			
Stakeholder			

Persons/Institution being part of the bioenergy network within the region	BEn-Project		Network list of BEn-Project (WP2); Network list georeferenced; stakeholder assigned to 9 categories
Biomass potentials			
A.1 Agricultural residues/crops			
A.1.4.3 Straw	Central Statistical Office, National Agricultural Survey 2002, www.stat.gov.pl	Central Statistical Office, publicly accessible data on request	Data processed on basis of BEn biomass assessment methodology
A.2 Livestock waste			
A.2.1 Manure from Livestock farming	County Veterinary Office, Agency for Restructuring and Modernisation of Agriculture, Central Statistical Office, National Agricultural Survey 2002, www.stat.gov.pl	County Veterinary Office, Agency for Restructuring and Modernisation of Agriculture, Central Statistical Office, publicly accessible data on request	Data processed on basis of BEn biomass assessment methodology
A.3 Forestry biomass/residues			
A.3.1 From forestry	State Forests National Forest Holding	State Forests National Forest Holding, data available on request	Actual timber production
A.3.2 From trees outside forest	Municipality Offices	Publicly accessible data on request	
A.3.3 Residues	Inofficial data from private companies		

Other data	Origin & Source	Copyrights	Comments
Livestock	County Veterinary Office	County Veterinary Offices, data on request	Livestock data from different origins
Livestock	Central Statistical Office, National Agricultural Survey 2002, www.stat.gov.pl	Central Statistical Office, publicly accessible data on line data	Data processed on basis of BEn biomass assessment methodology, Livestock data from different origins
Livestock	Agency for Restructuring and Modernisation of Agriculture,	Agency for Restructuring and Modernisation of Agriculture, publicly accessible data on request	Data processed on basis of BEn biomass assessment methodology, Livestock data from different origins
Settlements	WMS layers from Polish Geoportal www.goeportal.gov.pl	IETU	Processed data in GIS, digitalised from background map
Farm_size structure	Central Statistical Office, National Agricultural Survey 2002, www.stat.gov.pl	Publicly accessible data	Data processed on basis of BEn biomass assessment methodology

