



**LUBELSKI KLASTER
EKOENERGETYCZNY**


BioEcon



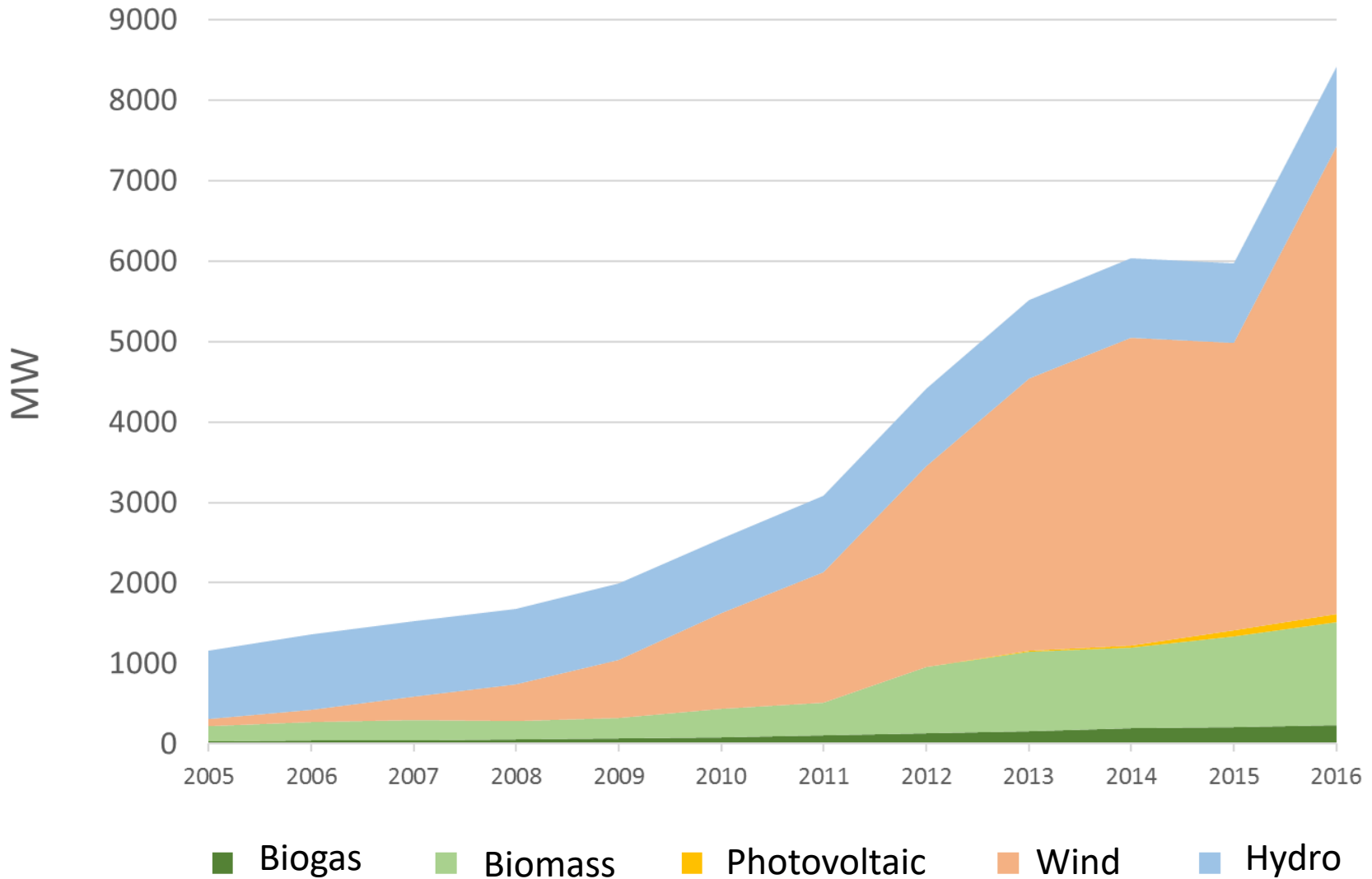
Jerzy Kozyra,
Lorie Hamelin

Lublin Eco-Energy Cluster – overview and current activities

**New Strategies on Bio-Economy in Poland
HORIZON 2020, 2015-2019**

Lublin, 29.05.2017

Renewable Energy installed in Poland (URE; 31.12.2016)



<http://lke.fundacja.lublin.pl>

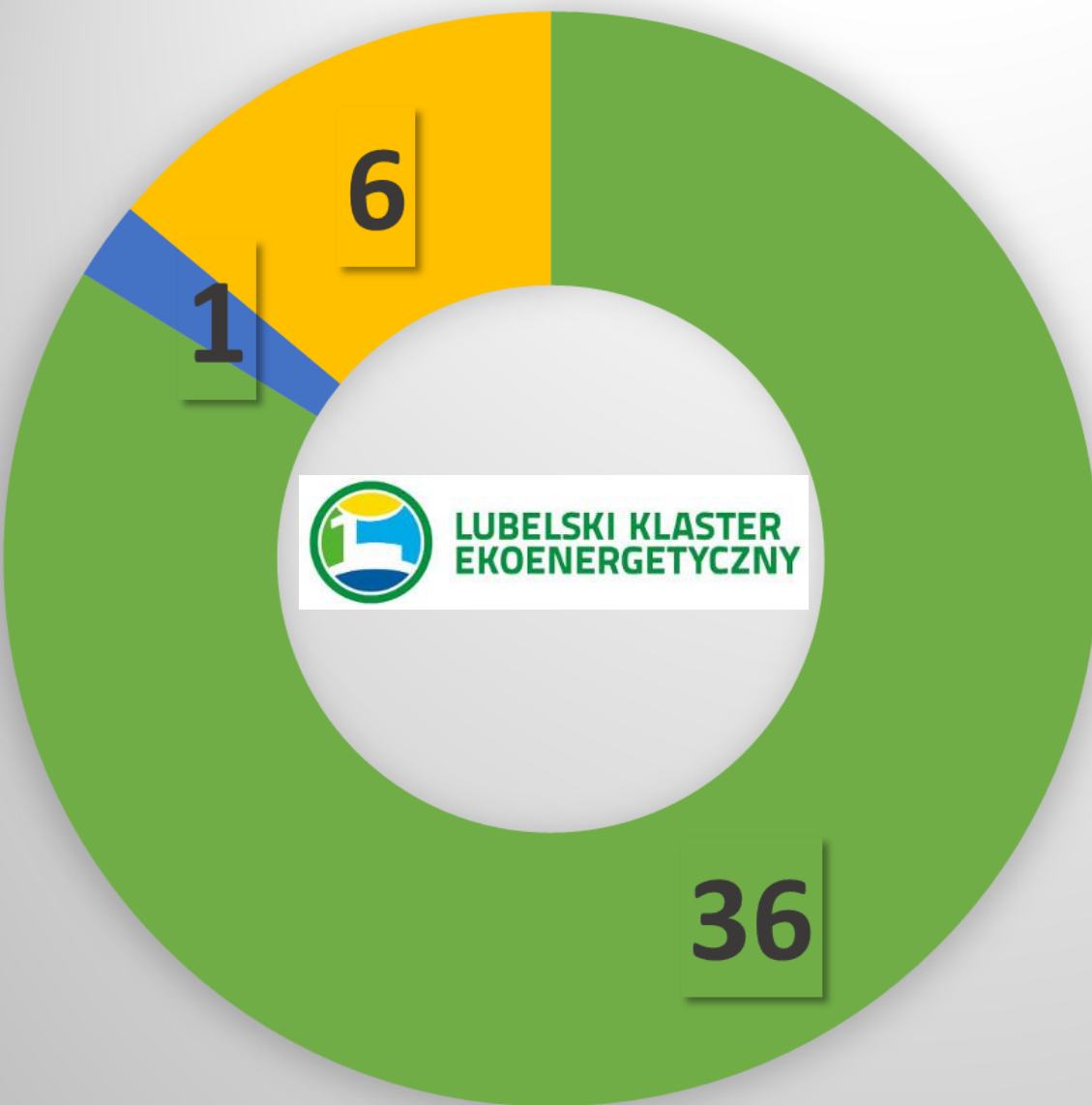


Foundation for Lubelskie Development
– LKE Cluster coordinator



**LUBELSKI KLASTER
EKOENERGETYCZNY**

From April 2008

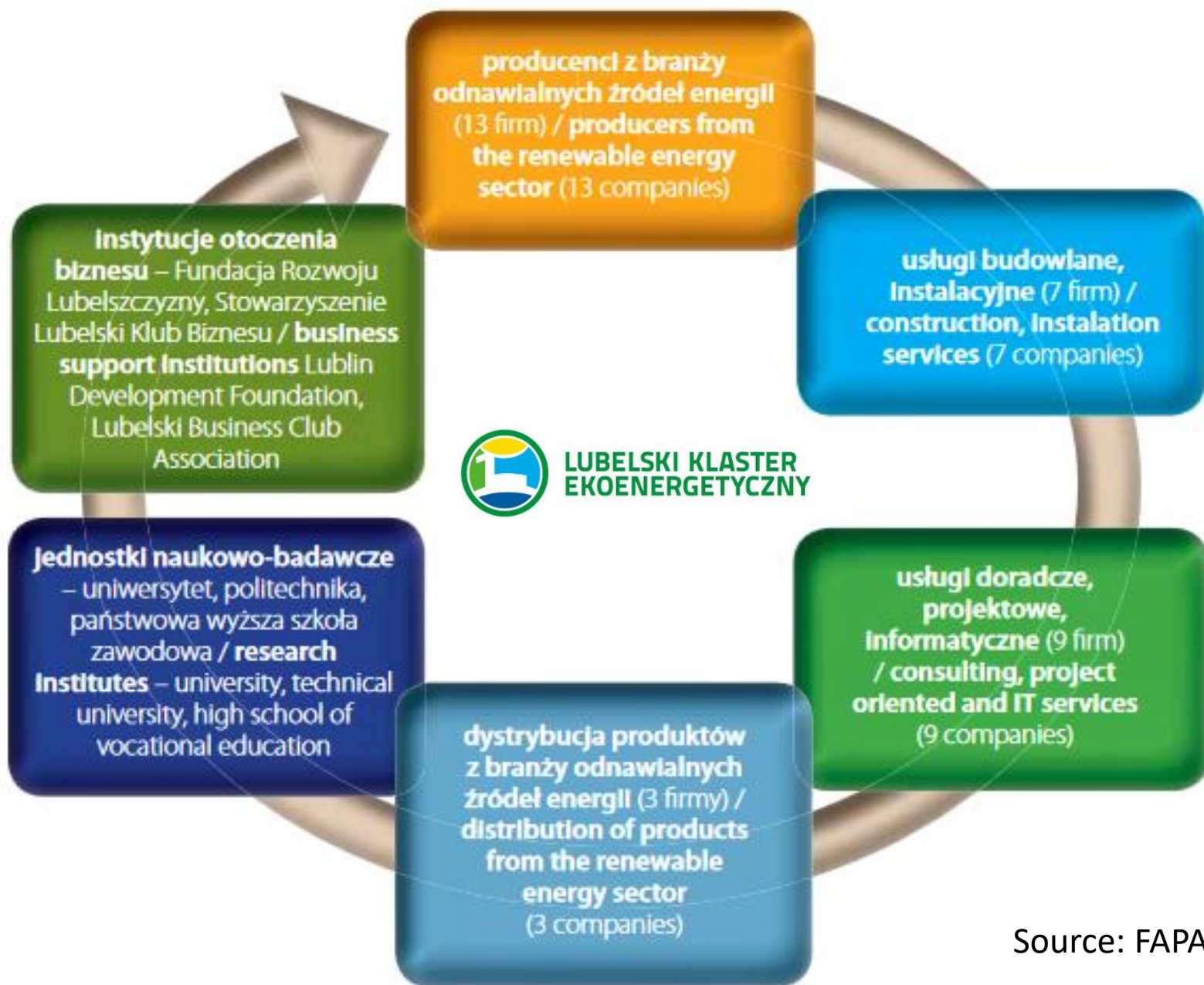


■ up to 50 employees

■ more than 50 employees

■ research, business support institutions, local government





Source: FAPA report

Lublin Eco-Energy Cluster
partner of Lublin Fair for ENERGETICS
since 2008.



This is the flagship fair event in Eastern Poland, bringing together the energy and construction sectors.

Project „S3-Empowering for Innovation and Growth in Medium-Sized Cities and Regions (EmplInno)



Foundation for Lubelskie Development is responsible for the development of smart specialisations: Energy and Food.

Leader of : **Work Package 3 smart specialisation Energy.**

Granted in 2015; H2020 project



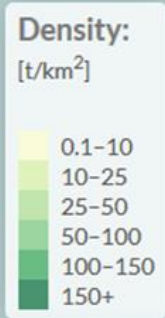
New Strategies on Bio-Economy in Poland to unlock the regional/national research potential on bioeconomy



Main IUNG input to BioBoost project

Normalised biomass technical potentials of straw in NUTS-3

Hover on NUTS-3 unit to read value



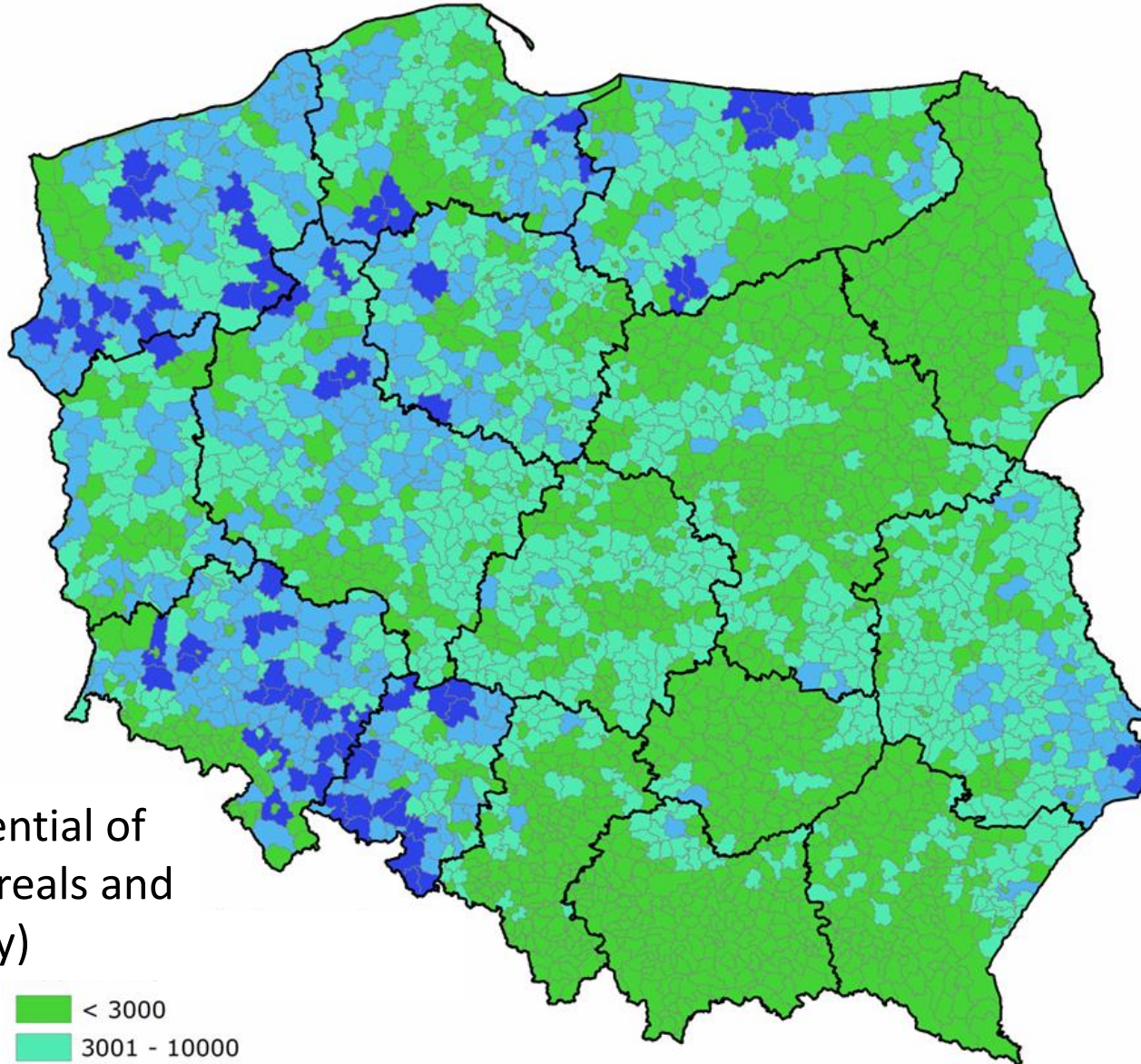
- Google Maps Street
- OpenStreetMap

You can pan (drag and move), zoom (double click or scroll) and hover on the map to gather required information

To make sure that you are using the latest version of BioBoost Geoportal, use the key combination **Ctrl1 + F5**

<input type="checkbox"/> Straw	<input type="checkbox"/> Theoretical	<input type="checkbox"/> Technical
<input type="checkbox"/> Residuals of pruning	<input type="checkbox"/> Theoretical	<input type="checkbox"/> Technical
<input type="checkbox"/> Livestock Residues	<input type="checkbox"/> Theoretical	<input type="checkbox"/> Technical
<input type="checkbox"/> Hay from permanent grassland	<input type="checkbox"/> Theoretical	<input type="checkbox"/> Technical
<input type="checkbox"/> Forestry residues	<input type="checkbox"/> Theoretical	<input type="checkbox"/> Technical
<input type="checkbox"/> Green urban areas	<input type="checkbox"/> Theoretical	<input type="checkbox"/> Technical
<input type="checkbox"/> Perennial crops	<input type="checkbox"/> Theoretical	<input type="checkbox"/> Technical
<input type="checkbox"/> Roadside vegetation	<input type="checkbox"/> Theoretical	<input type="checkbox"/> Technical
<input type="checkbox"/> Biodegradable municipal waste	<input type="checkbox"/> Theoretical	<input type="checkbox"/> Technical
<input type="checkbox"/> Bio-waste of food industry	<input type="checkbox"/> Theoretical	<input type="checkbox"/> Technical



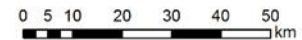
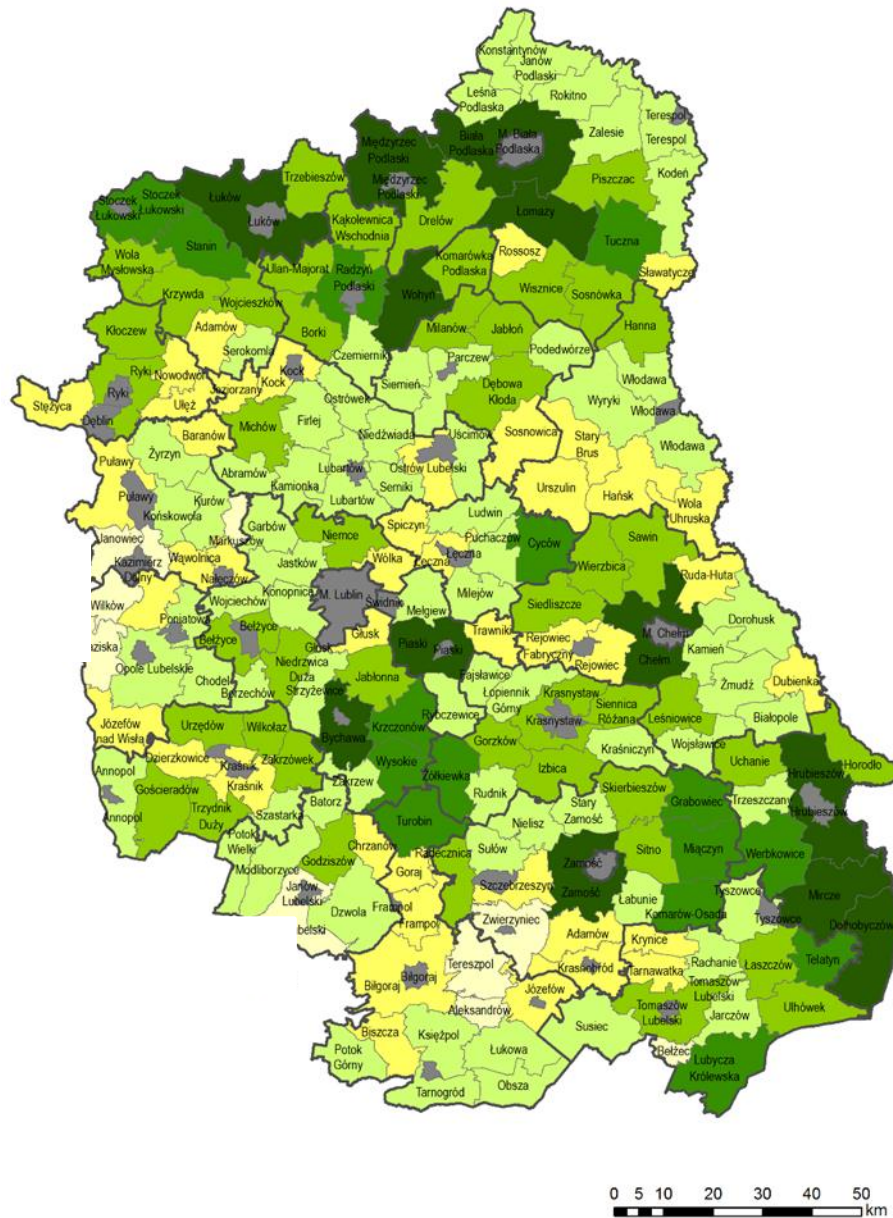


Technical potential of
straw from cereals and
rape (tonnes/y)



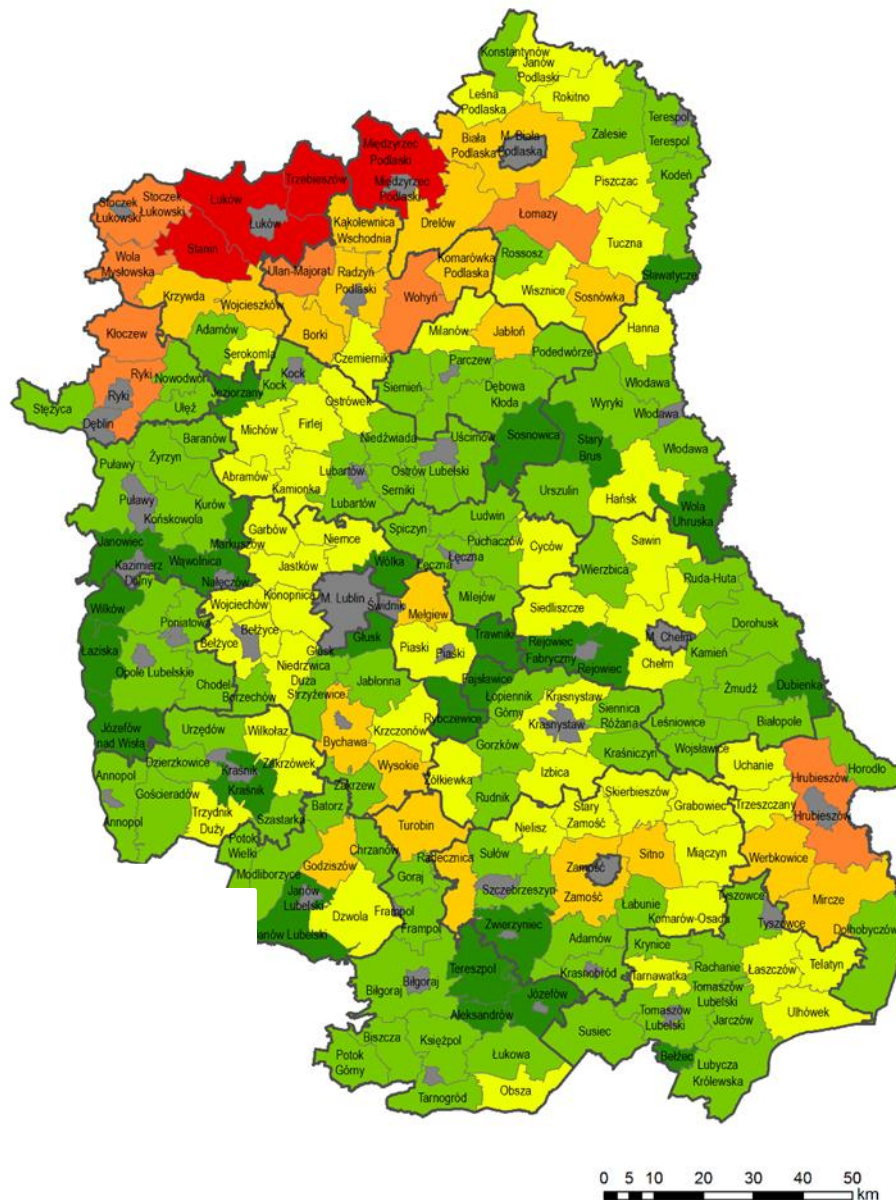
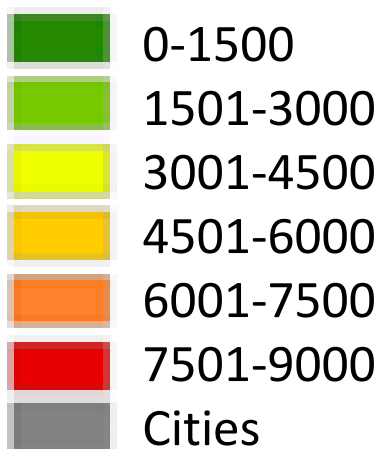
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Cereals (ha)

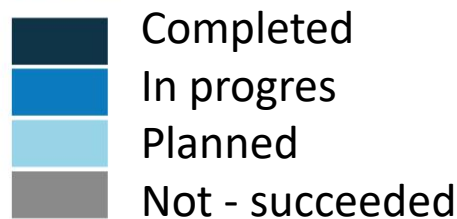
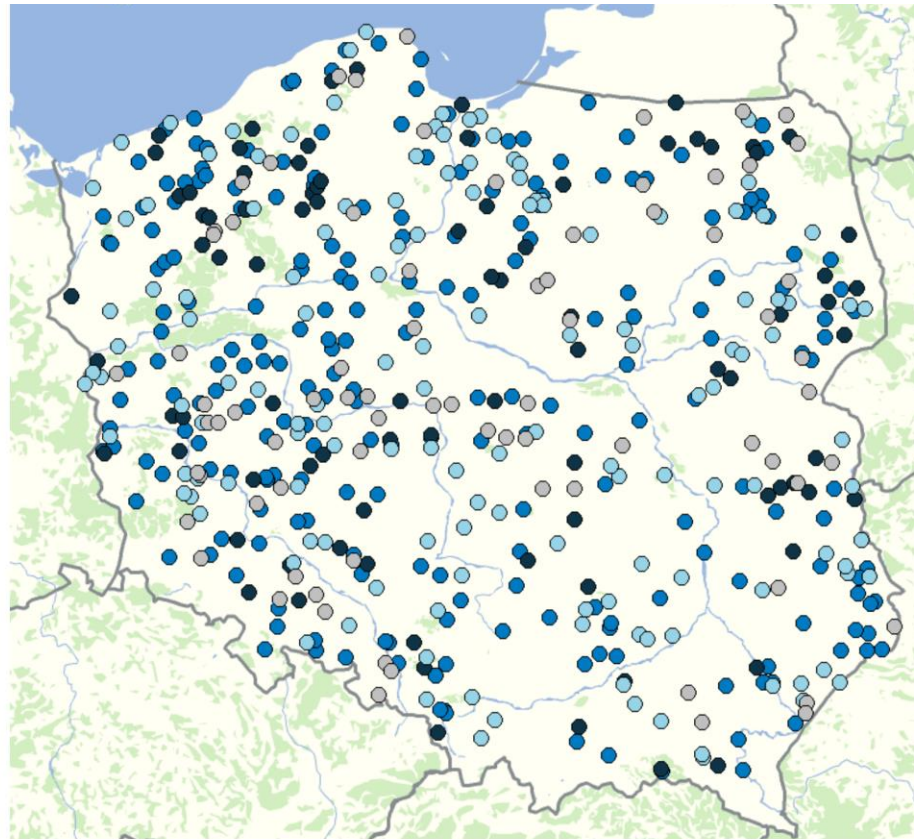


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Livestock units



Biogas plant projects in Poland





allowed to increase the involvement of IUNG in the cluster activities

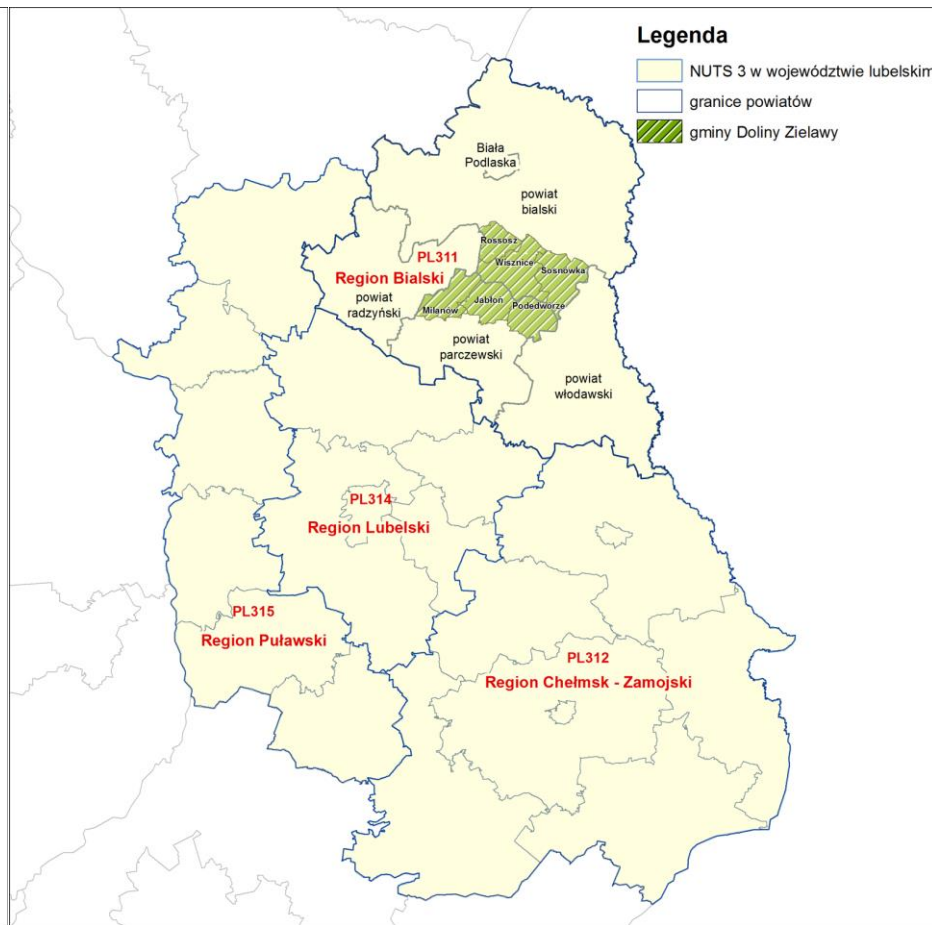
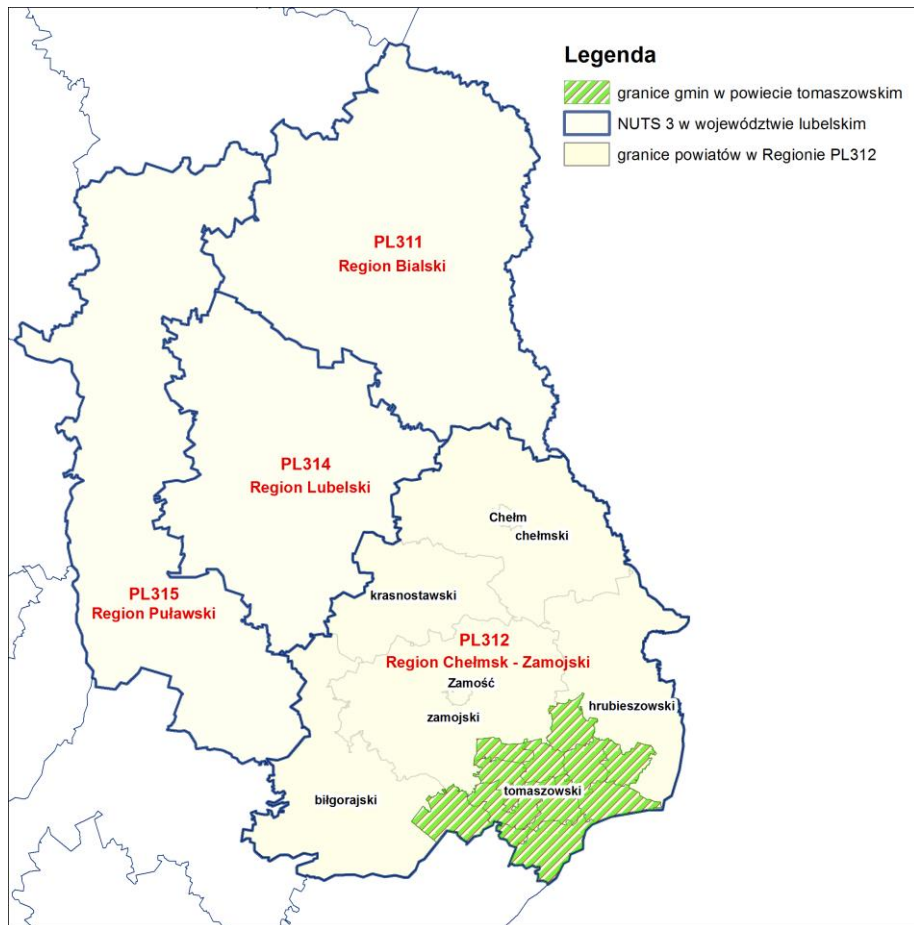
SMART GMINA

pilot BioEcon project in cooperation with Lublin Eco Cluster

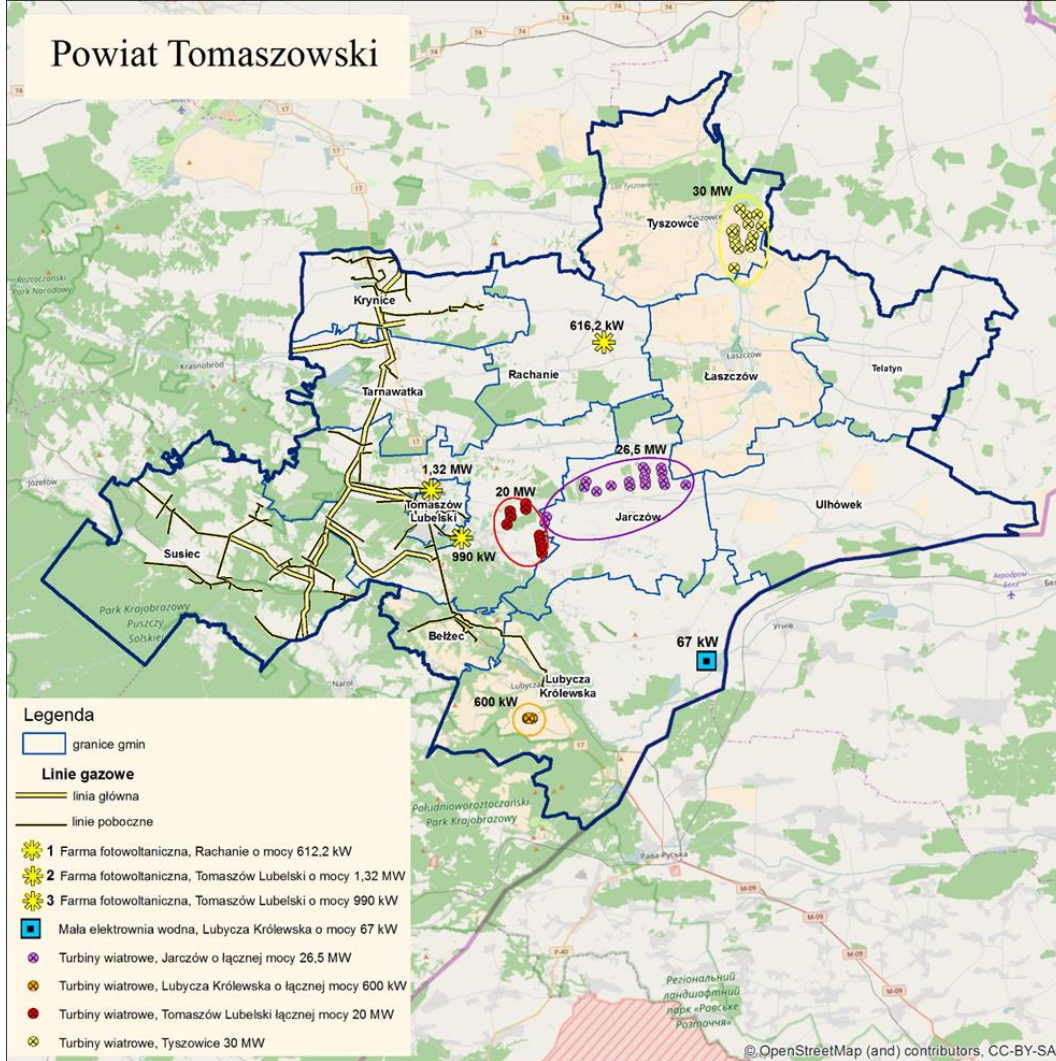
SMART GMINA

How to integrate renewable energy production in the most sustainable way?

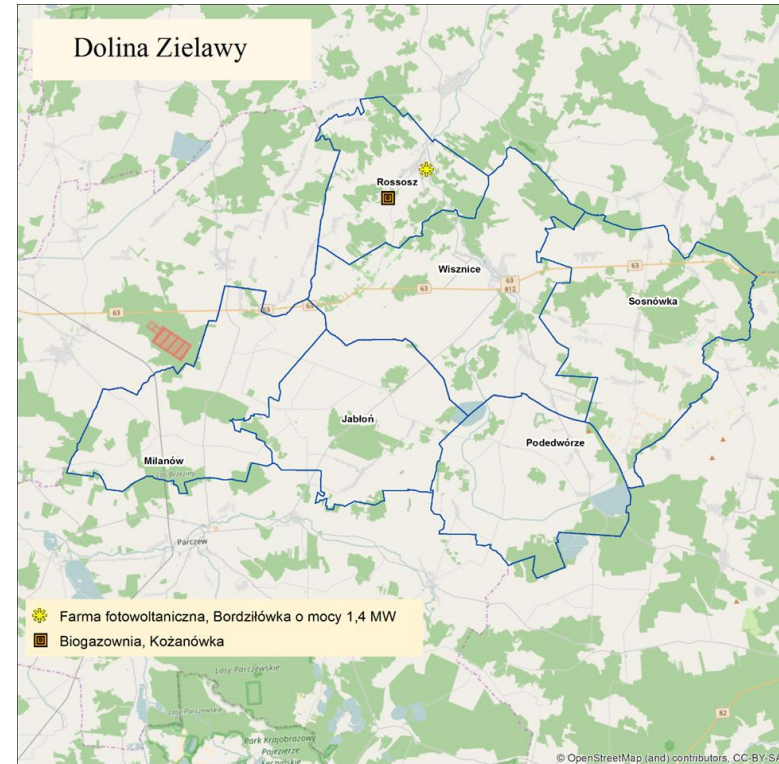
-biogas has a key role



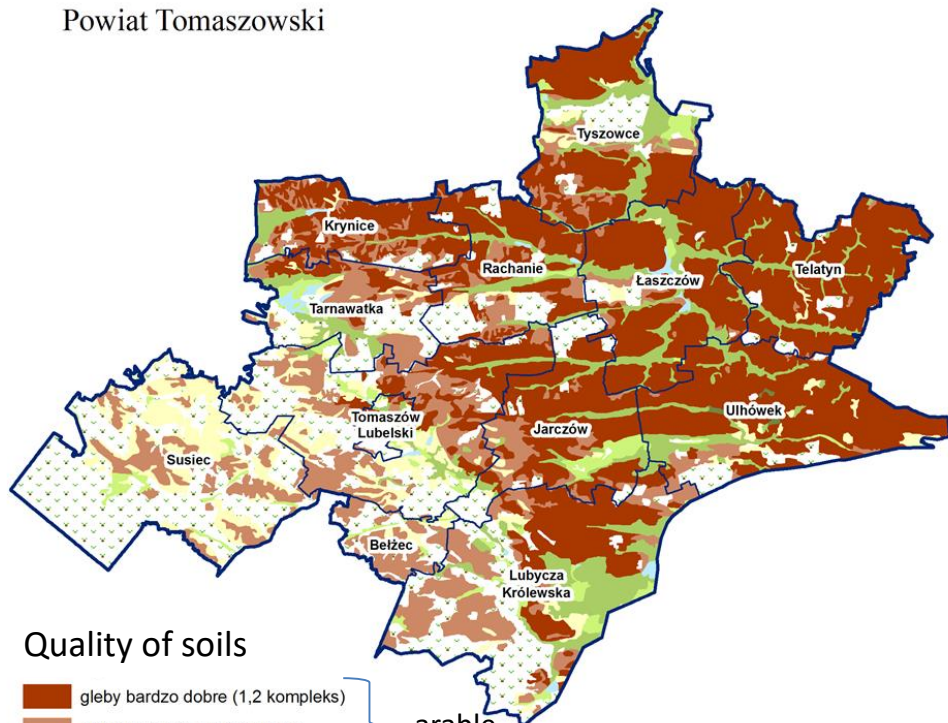
Powiat Tomaszowski



Powiat Tomaszowski



Powiat Tomaszowski



Quality of soils

best



worse

best



worse

- gleby bardzo dobre (1,2 kompleks)
- gleby dobre (3,4,5 kompleks)
- gleby słabe (6,7,8,9 kompleks)

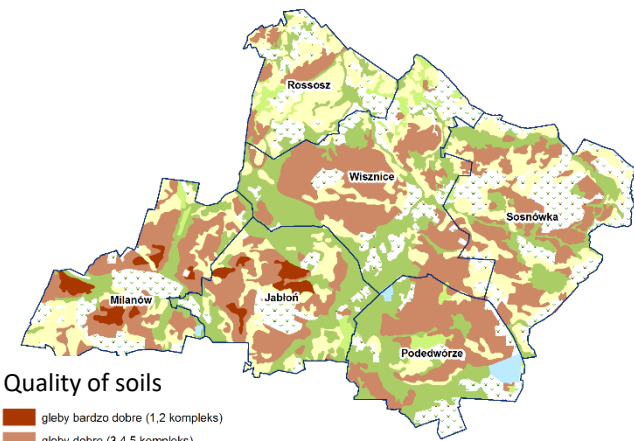
arable

- użytki zielone bardzo dobre i dobre
- użytki zielone średnie
- użytki zielone słabe i bardzo słabe

grassland

- las
- wody

Dolina Zielawy



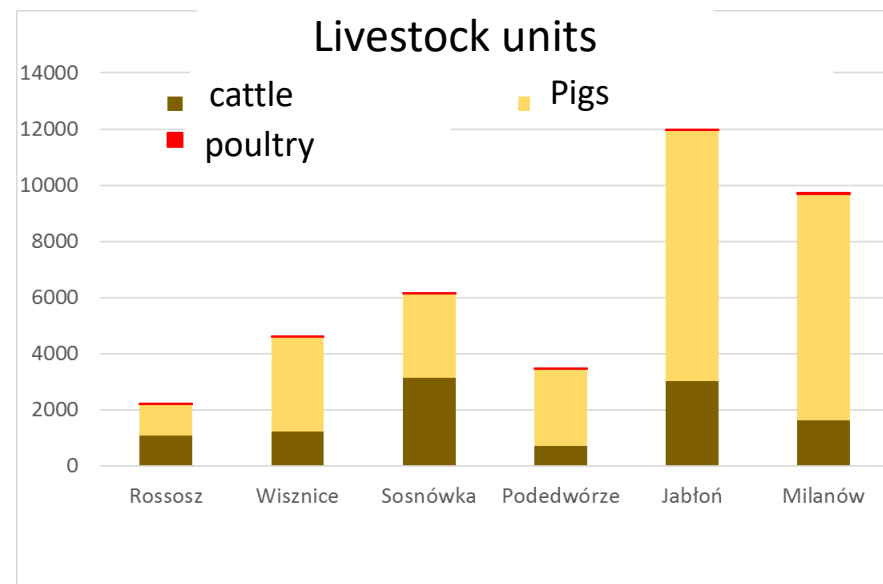
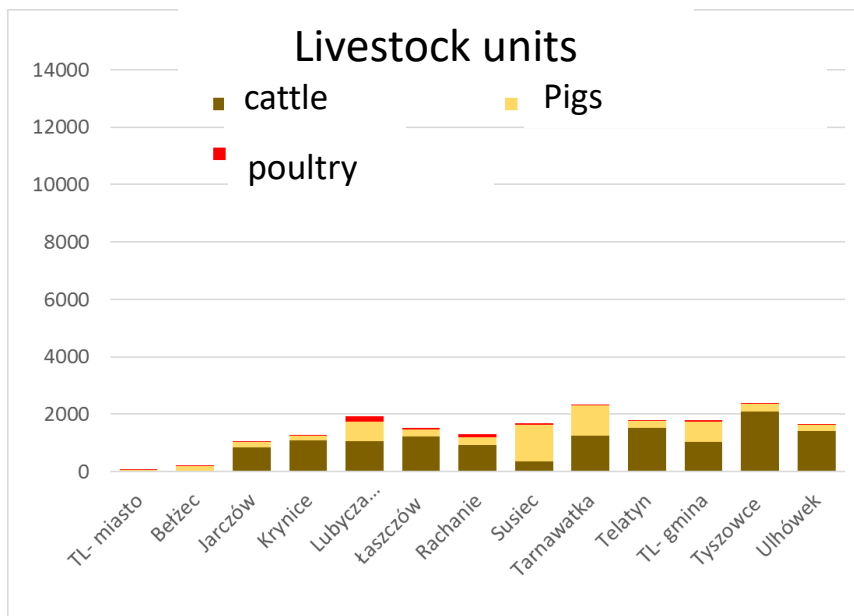
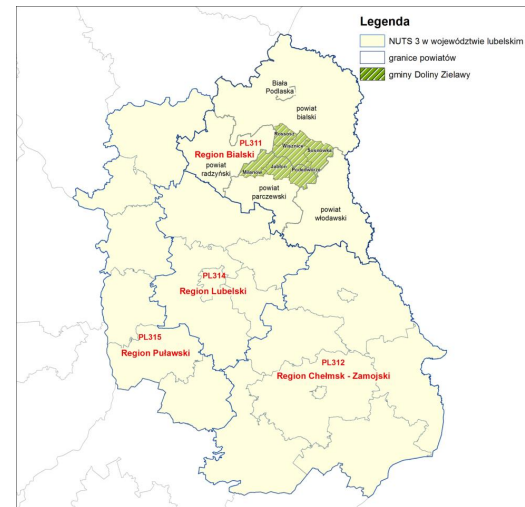
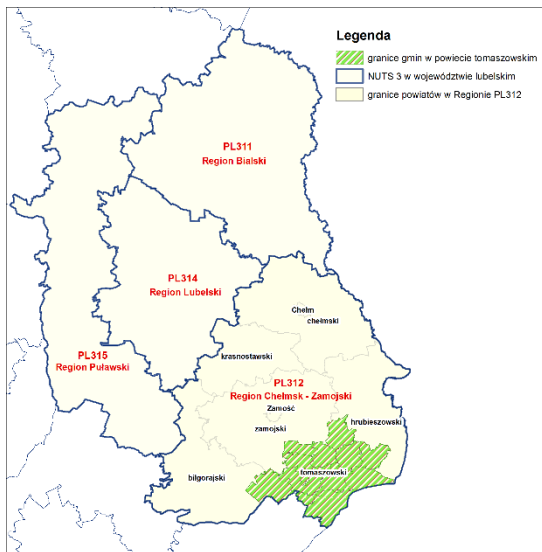
Quality of soils

- gleby bardzo dobre (1,2 kompleks)
- gleby dobre (3,4,5 kompleks)
- gleby słabe (6,7,8,9 kompleks)

- użytki zielone bardzo dobre i dobre
- użytki zielone średnie
- użytki zielone słabe i bardzo słabe

- las
- wody







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Dziękuję za uwagę



BioEcon

Projekt ten uzyskał finansowanie z Unii Europejskiej w programie Horyzont 2020, Identyfikator zaproszenia: H2020 WIDESPREAD-2014-2, Temat: WIDESPREAD-2014-2 ERA Chairs na podstawie umowy nr. 669062.

IUNG