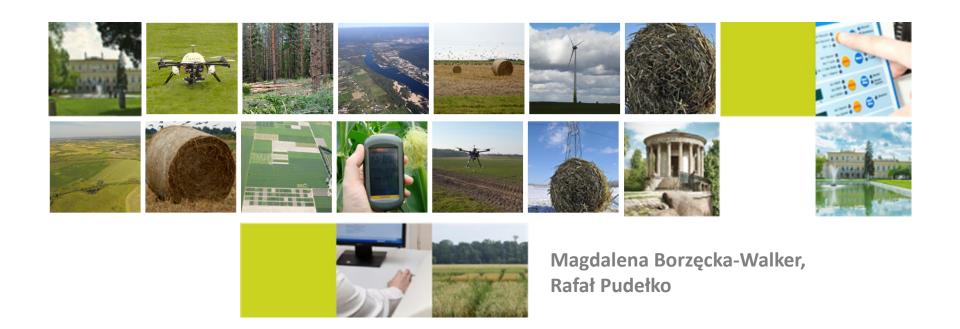
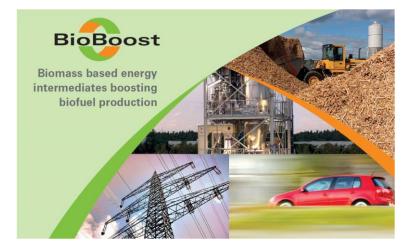
Geoportal for biomass potential assessment in EU27+CH





Biomass based energy intermediates boosting biofuel production



Project Acronym	BioBoost
Project Reference	282873 in FP7
Theme	ENERGY.2011.3.7-1: Development of new or improved sustainable bio-energy carriers
Contract type	Collaborative project
Coordinator	Karlsruher Institut fuer Technologie (KIT)
Consortium	13 Beneficiaries from 6 countries
Start	01/2012
Duration	42 month
Budget	7.3 Mio €
Funding	5.1 Mio €

Consortium



The feedstock potential assessment for EU-27 + Switzerland in NUTS-3

1. Agricultural residues

- 1.1 Straw
- 1.2 Residuals of pruning
- 1.3 Livestock residues
- 1.4 Hay from permanent grassland
- 1.5 Perennial crops
- 2. Forestry residues
- 3. Natural conservation matter
- 3.1 Green urban areas
- 3.2 Hay and shrubs
- 4. Roadside vegetation

5. Urban and industrial waste

- 5.1 Biodegradable municipal waste
- 5.2 Bio-waste of food industry
- 5.3 Bio-waste of wood industry byproducts

Methods, approaches and data

Database

Corine Land Cover map, Open street map, Natura 2000,

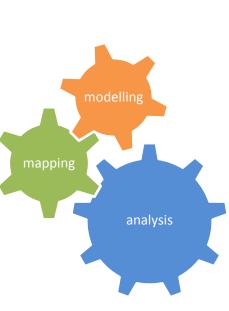
Literature review

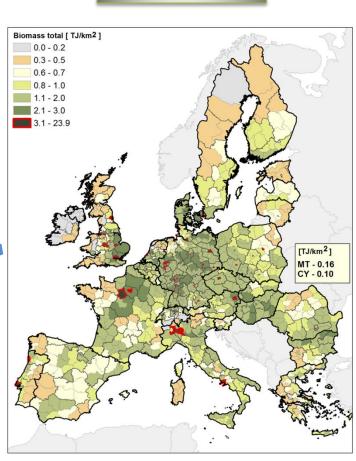
Statistical data:

Eurostat, ESRI data,
European Environment
Agency, Organisation for
Economic Co-Operation
and Development, Data on
the Net Primary
Productivity,
TBFR-2000

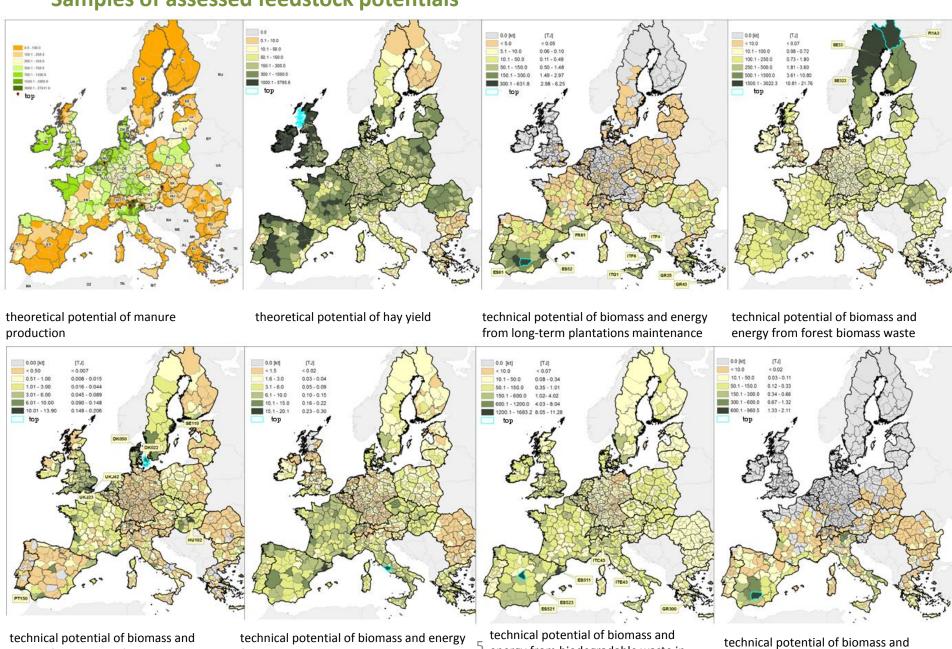
Processing

Results





Samples of assessed feedstock potentials



energy from waste of urban greenery maintenance

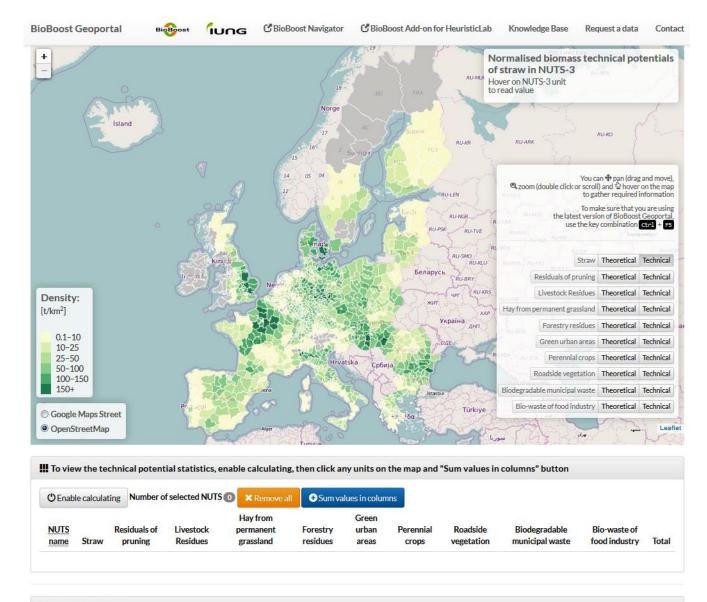
technical potential of biomass and energy from the maintenance road side vegetation

energy from biodegradable waste in the NUTS-3

technical potential of biomass and energy from food industry waste

The feedstock potential assessment for EU-27 + Switzerland in NUTS-3

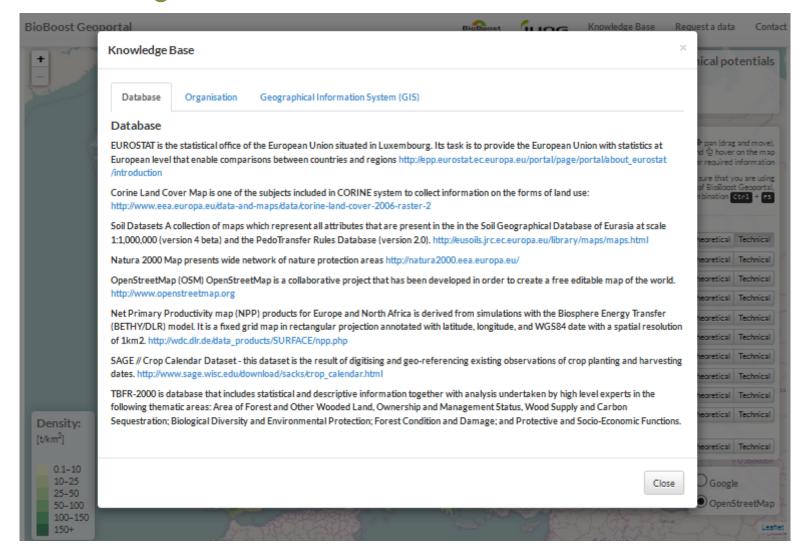
1.Agricultural residues			
1.1 Straw	149.7 Mt (1960 PJ)		
1.2 Residuals of pruning	15.4 Mt (152 PJ)		
1.3 Livestock residues	21.4 Mt (21 PJ)		
1.4 Hay from permanent grassland	6.9 Mt (92.6 PJ)		
1.5 Perennial crops	50.5 Mt (948,5 PJ)		
2. Forestry residues			
Forestry residues	117.9Mt (1186 PJ)		
3. Natural conservation matter			
3.1 Green urban areas	1.18 Mt (17 PJ)		
3.2 Hay and shrubs	3.68 Mt (49 PJ)		
4. Roadside vegetation	3.17 Mt (47 PJ).		
5. Urban and industrial waste			
5.1 Biodegradable municipal waste	71.2 Mt (477 PJ)		
5.2 Bio-waste of food industry	14.3 Mt (51 PJ)		
5.3 Bio-waste of wood industry by-products	5.59 Mt (56 PJ)		



■ Map description

The map present technical straw potential that was assessed by subtraction of the amount of straw necessary for animal bedding and feeding in addition to the part of straw that is needed for incorporation into the soil. Straw for energy purposes was defined as a total production minus from the straw used in the production of animal feed and bedding, which is necessary in the maintenance of soil.

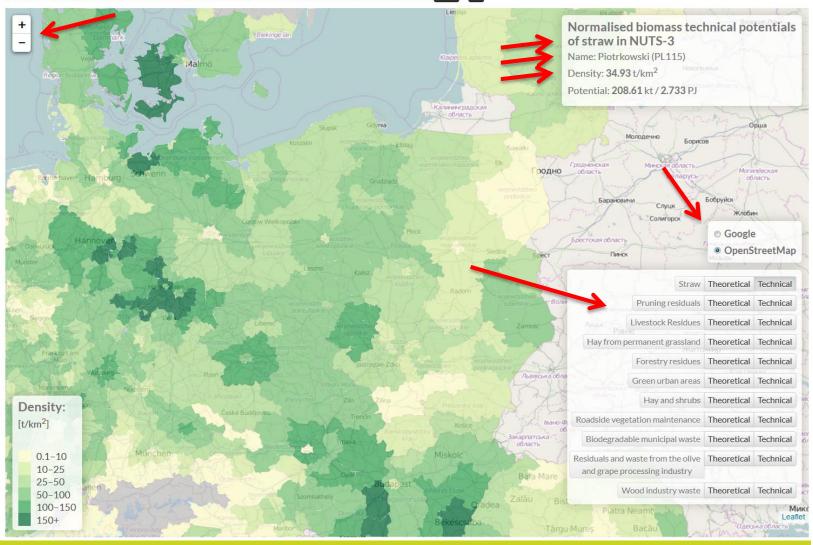
Knowledge base

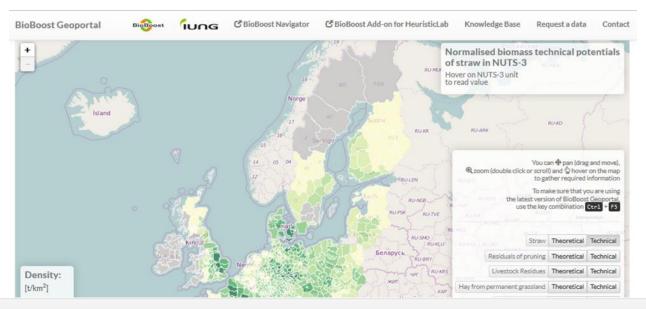


Biomass potential maps

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

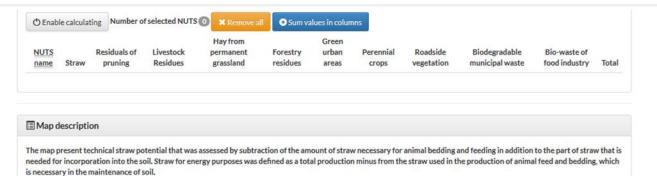
To make sure that you are using the latest version of BioBoost Geoportal, use the key combination Ctrl + F5

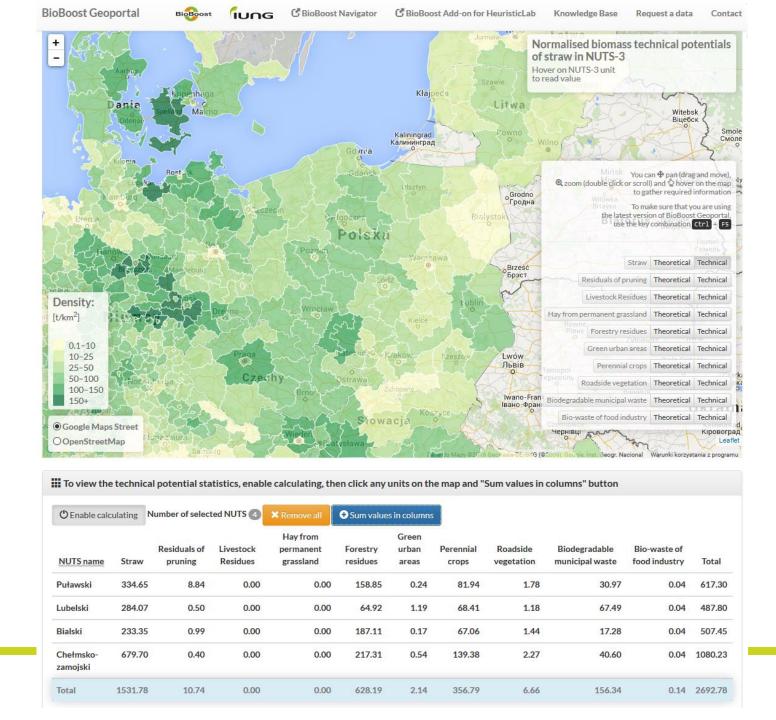




Calculate biomass potentials (kilotones of technical potentials) in selected NUTS. Click on map to add row









New Strategies on Bio-Economy in Poland

Project Acronym: BioEcon

Project Number: 669062

Starting date: 01/07/2015

Duration in months: 60

Call (part) identifier: H2020-WIDESPREAD-2014-2

Topic: WIDESPREAD-2-2014 ERA Chairs

BioEcon

Thank you for your attention

mwalker@iung.pulawy.pl