

BIOGAS UPGRADING IN GERMANY

Pre-BASIC Biogas Seminar



Malmö, Sweden

2016-11-08

Thies Fellenberg

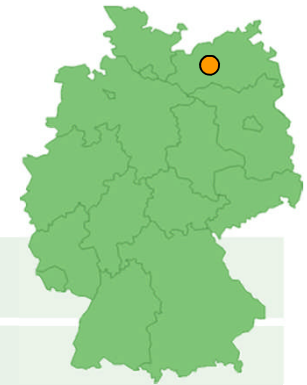
Bild:
LWK Niedersachsen
Carsten Rieckmann

Gefördert durch:



aufgrund eines Beschlusses
des Deutschen Bundestages

Fachagentur Nachwachsende Rohstoffe e.V.



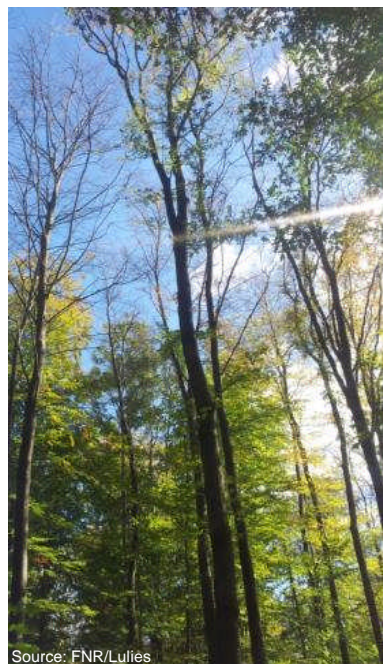
Facts

Foundation:	October 1993
Main office:	18276 Gülzow-Prüzen
Support:	Federal Ministry of Food and Agriculture (BMEL) and State of Mecklenburg- Western Pomerania
Employees:	94
Legal status:	Registered association with 75 members (6 voting members)
Tasks:	<ul style="list-style-type: none">• Promotion of research, development and demonstration (project management)• Information & advice• Public relations• International and EU activities
Target groups:	Industry, SME, public and private research institutes, universities, government agencies

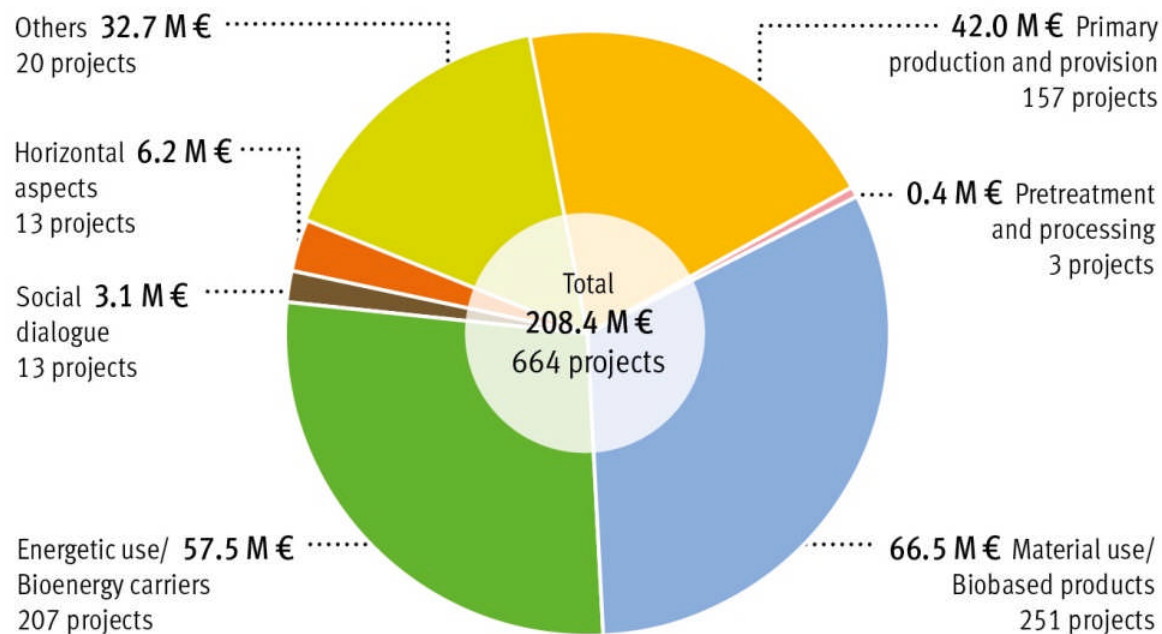
Tasks of FNR

Promotion of research, development and demonstration

	Support since 1993	Support to ongoing projects
Amount	ca. 846 M €	208 M €
Projects	ca. 3,100	664



Source: FNR/Lulies

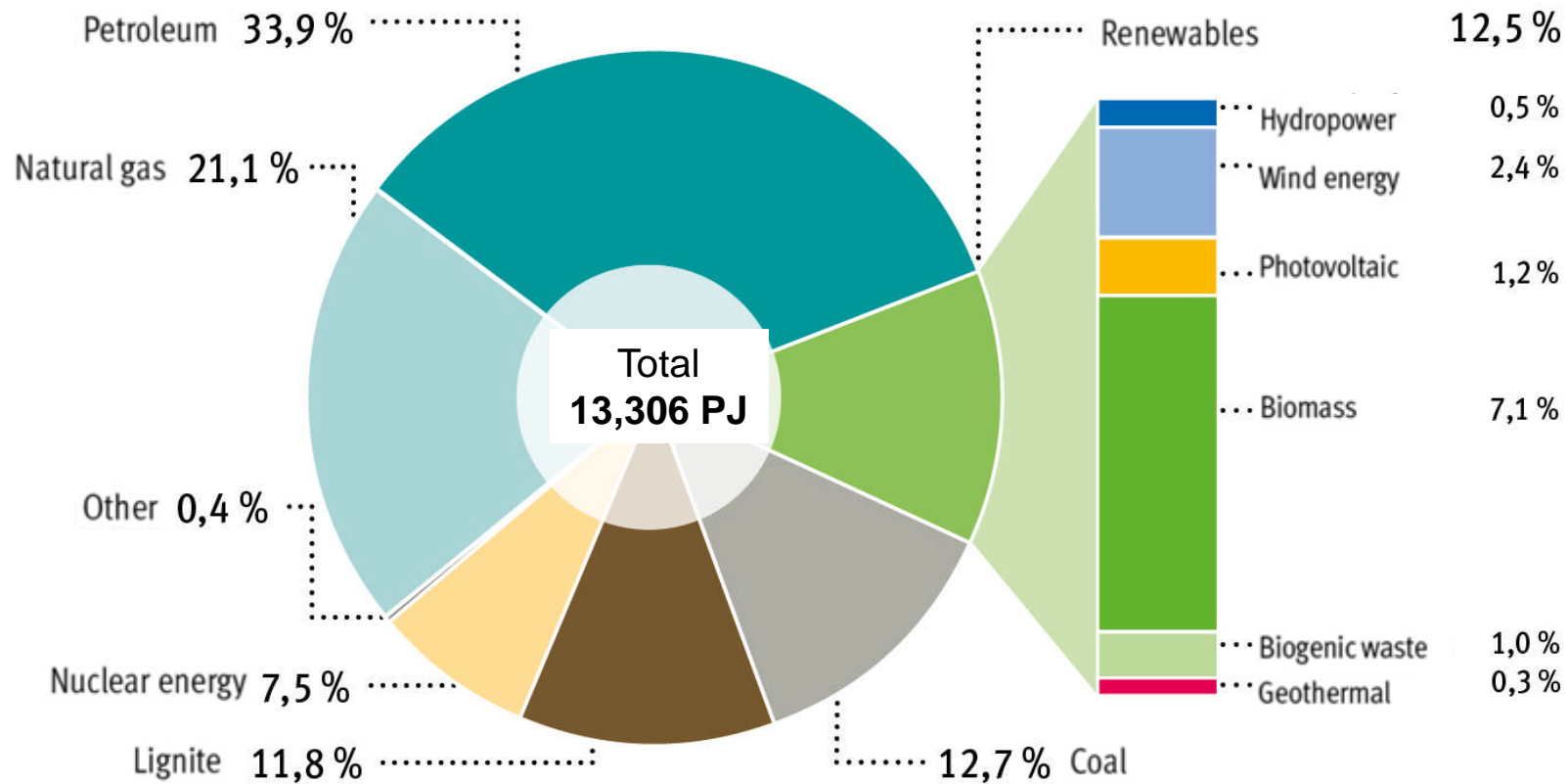


Source: FNR (October 2016)

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Renewable Resources in Germany

Primary Energy Consumption 2015

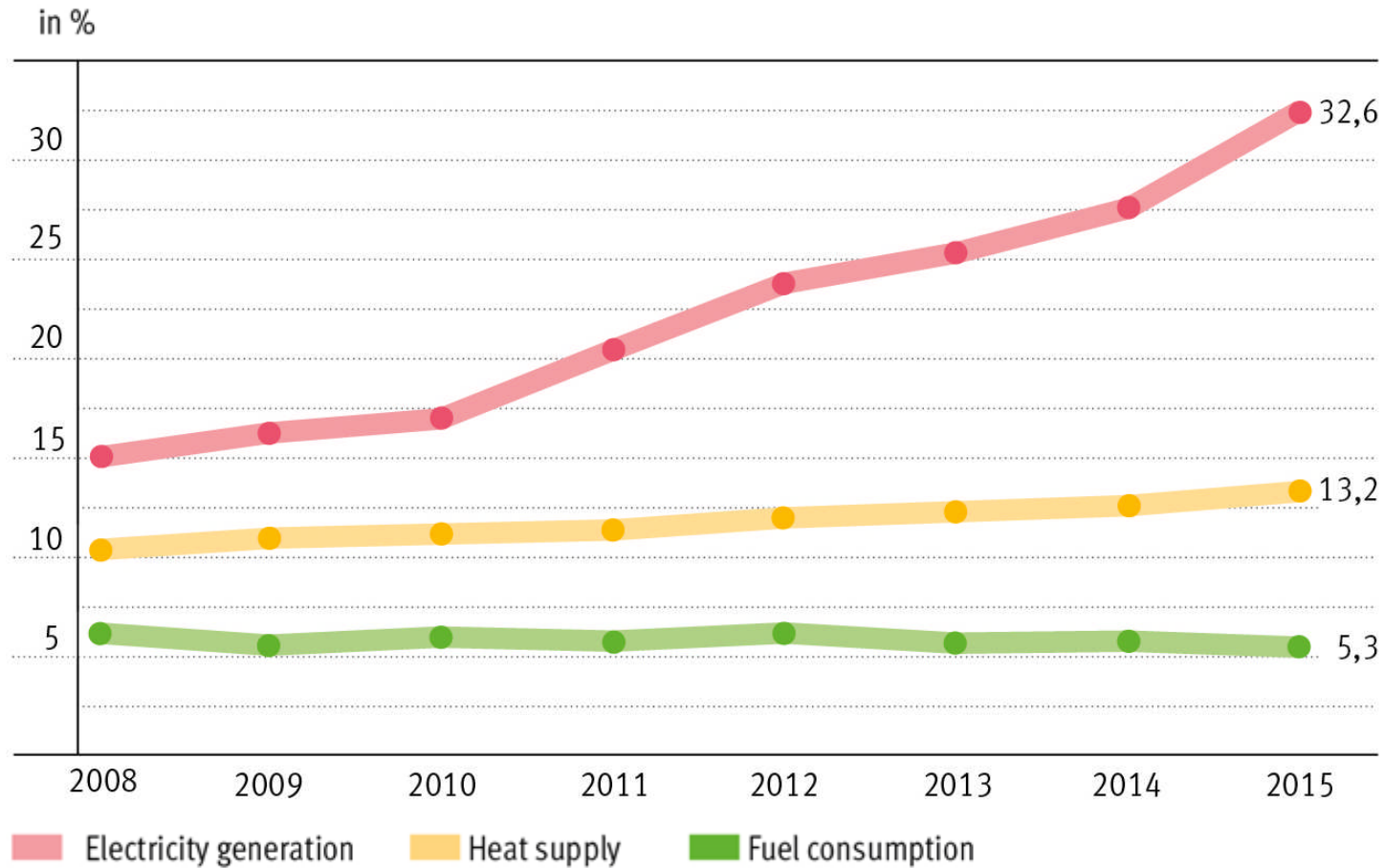


Source: FNR based on ZSW/AGEB (2016)

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Renewable Energies in Germany

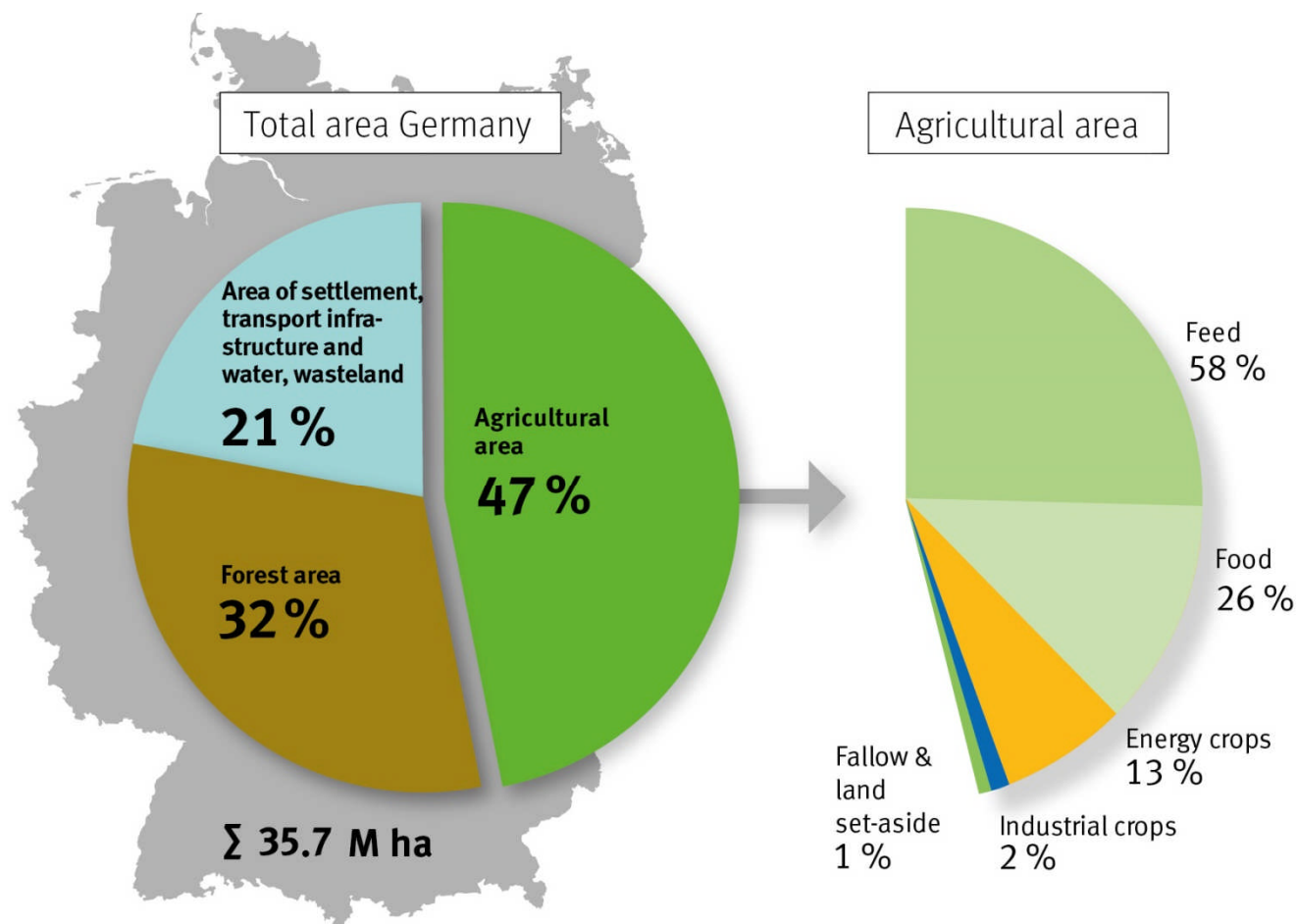
Development – Electricity, Heat, Fuels



Source: BMWi, AGEE-Stat (2016)

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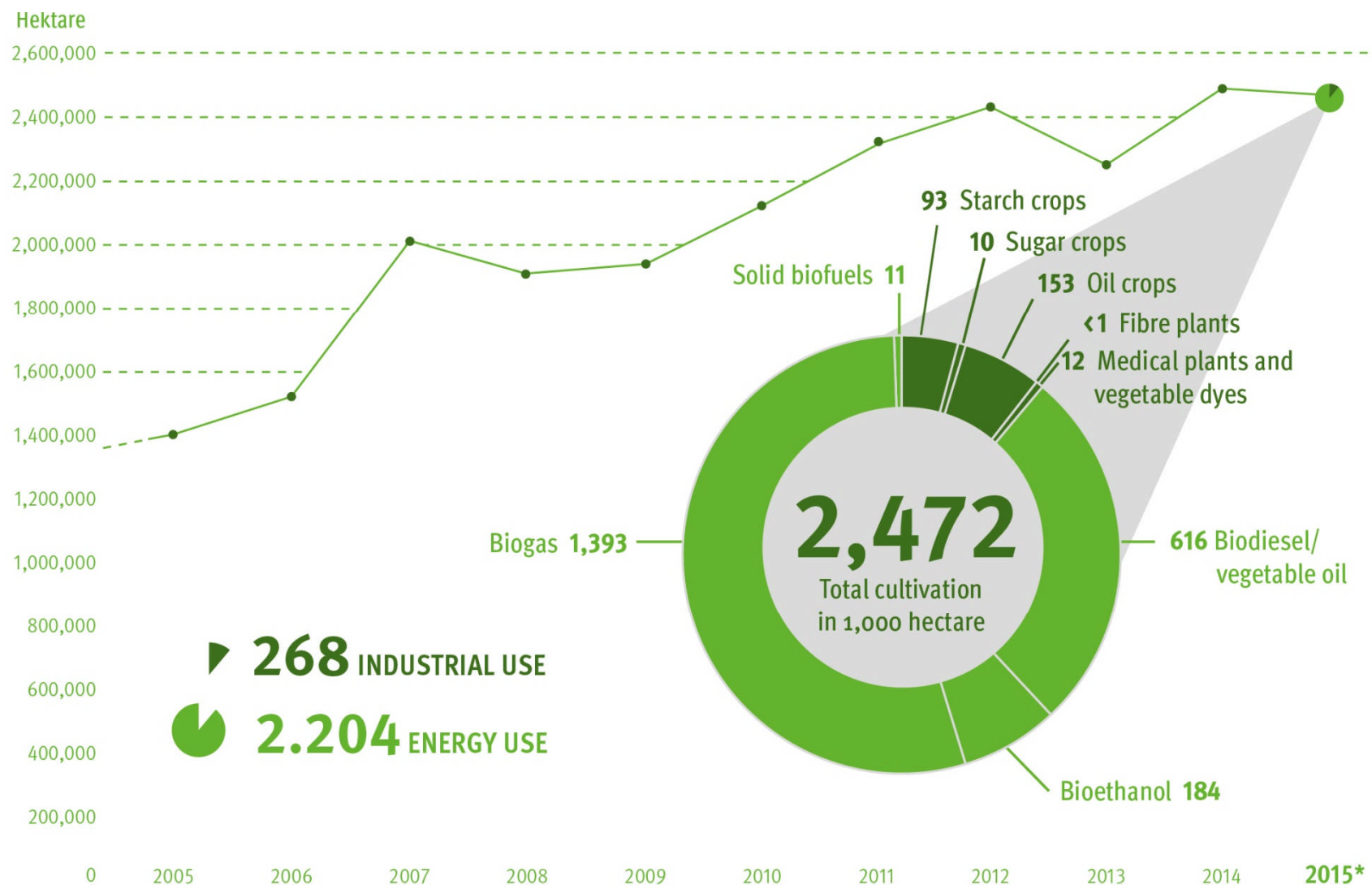
Cultivation of Renewable Resources in Germany



Source: FNR based on Statistisches Bundesamt, BMEL (2015)

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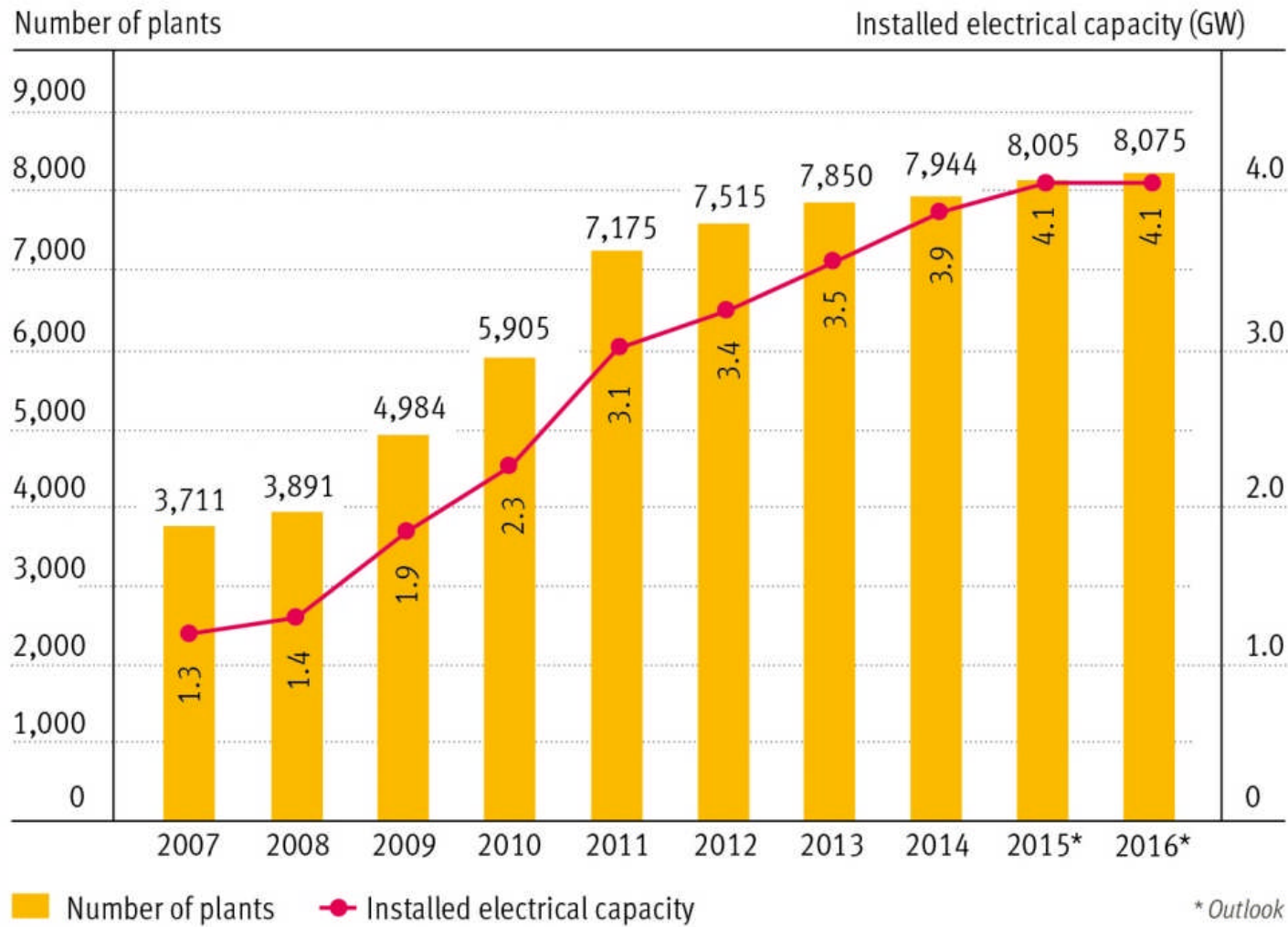
Cultivation of Renewable Resources in Germany



Source: FNR (2015); © FNR 2015

*Estimate

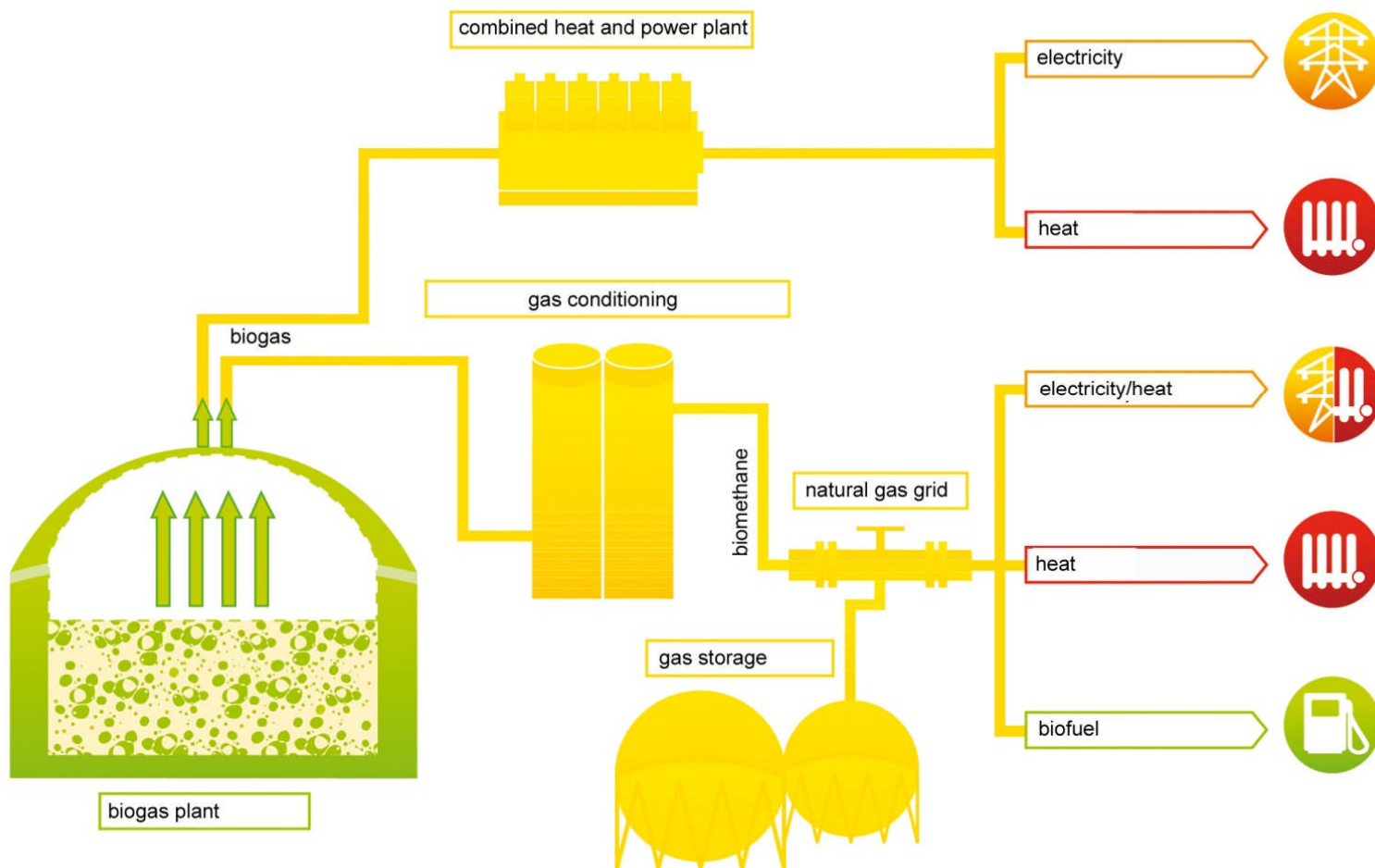
Development of Biogas Plants in Germany



Source: Fachverband Biogas e.V. (2014) and DBFZ (2015)

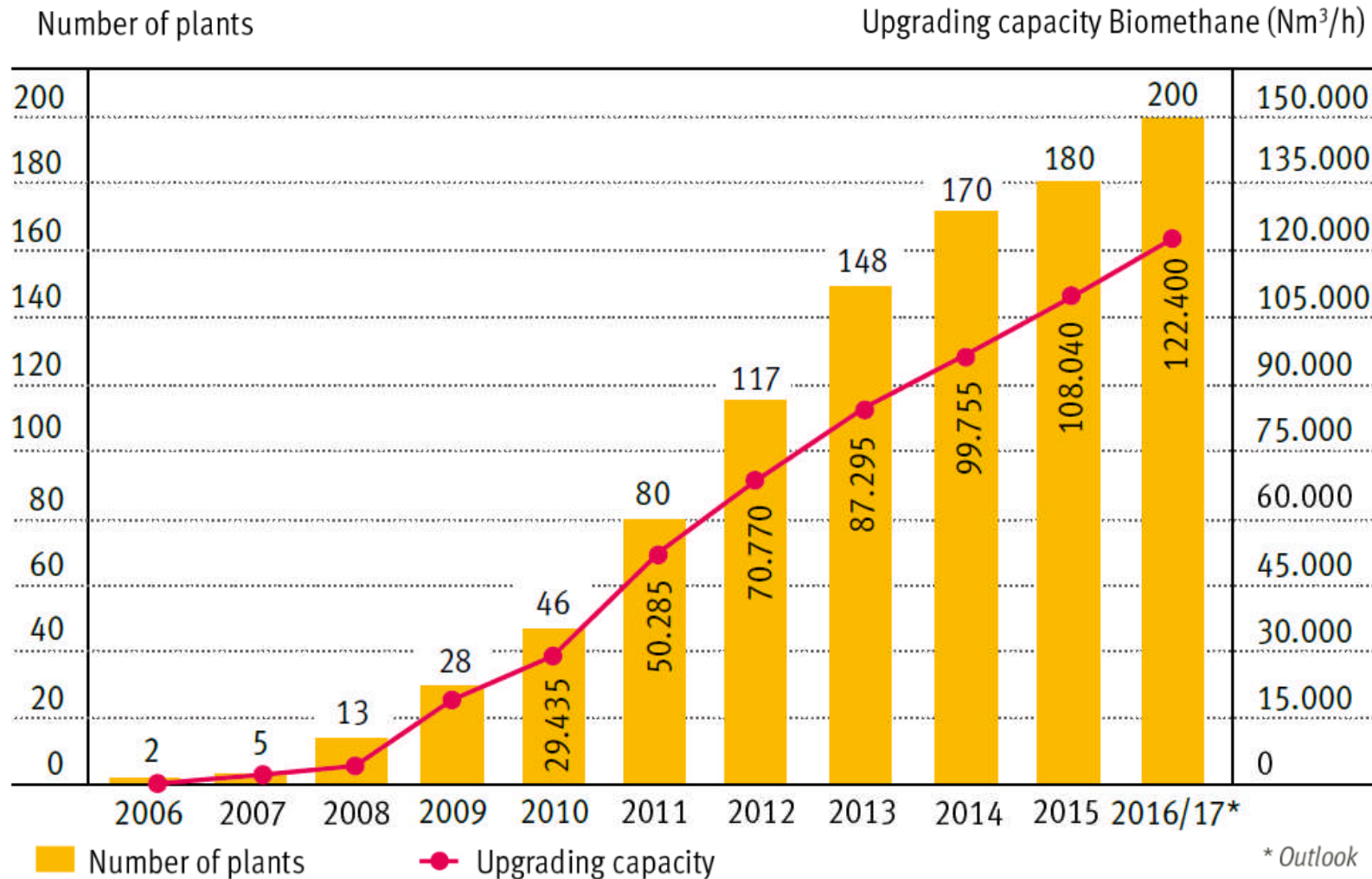
© FNR 2015

Various utilisation of biogas



source: FNR 2011

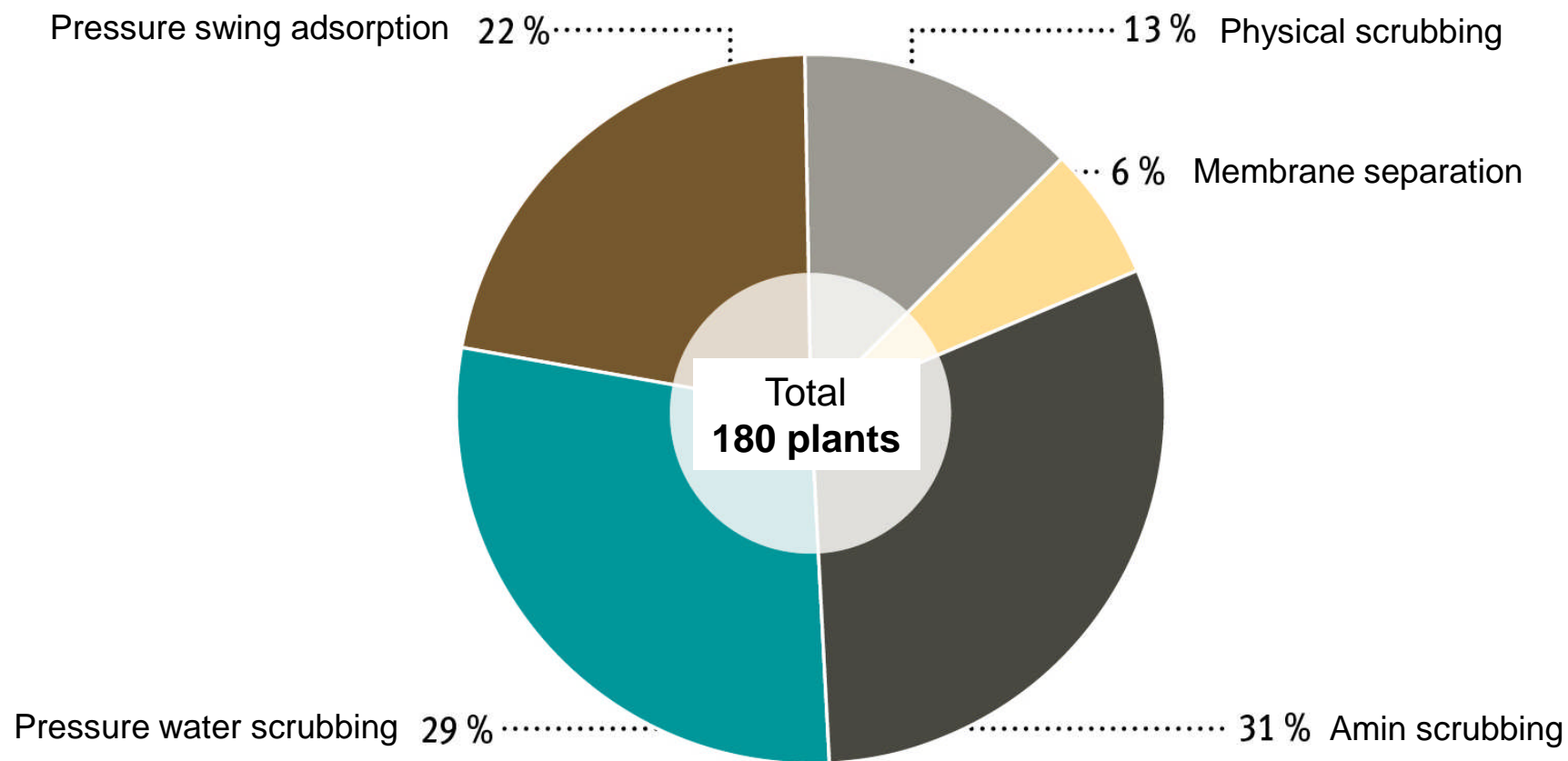
Plants for Biomethane Production in Germany



Source: FNR based on dena (2016)

© FNR 2016

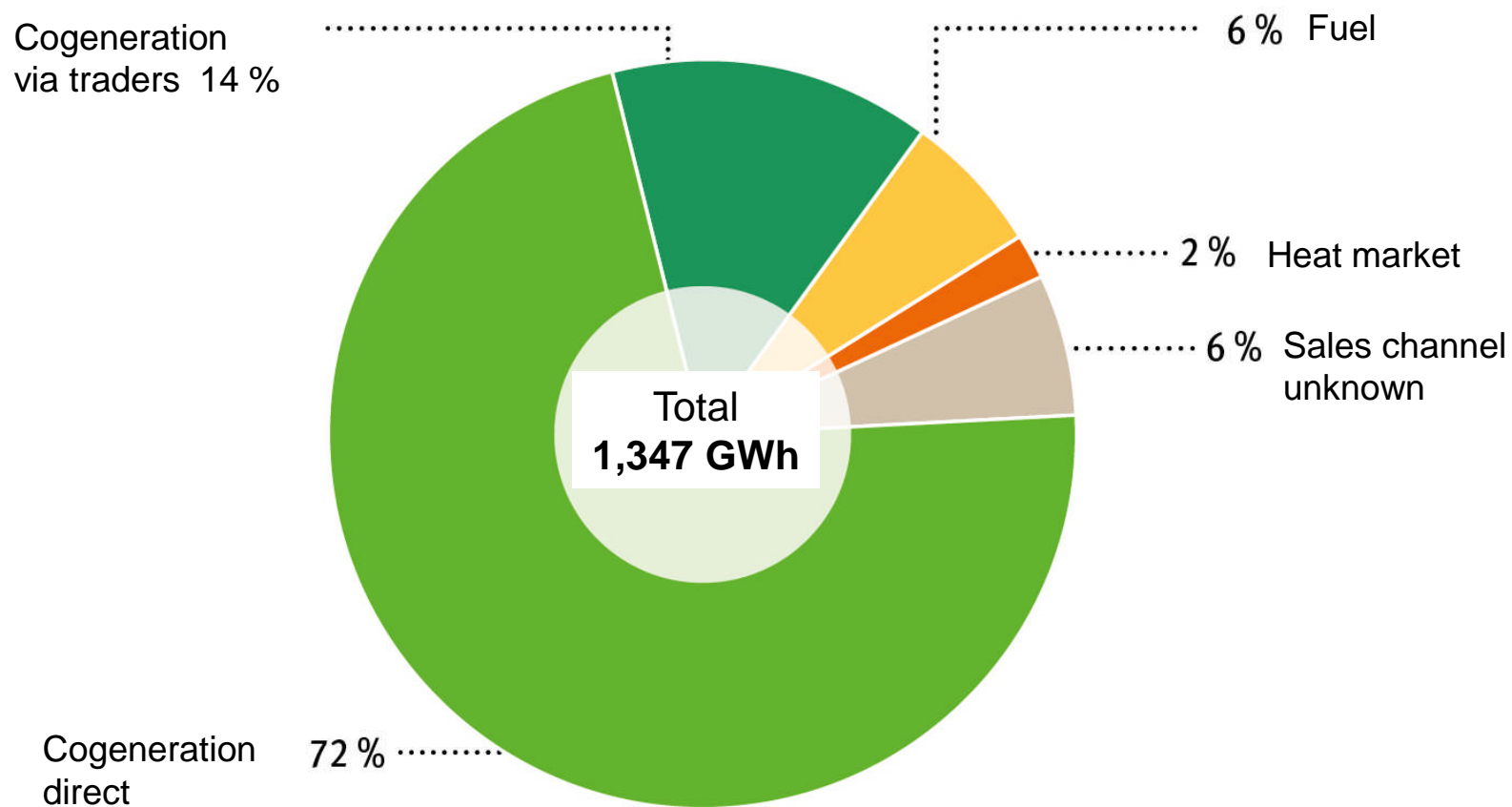
Upgrading treatment processes in Germany 2015



Source: FNR based on dena (2016)

© FNR 2016

Marketing of Biomethane 2014



Source: Stromerzeugung aus Biomasse, DBFZ (2015)

© FNR 2015

Contact



Source: FNR/Dr. Peters

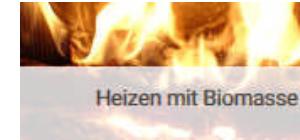
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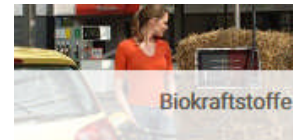
Bioenergie



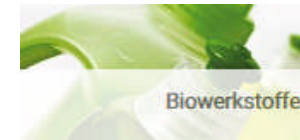
Heizen mit Biomasse



Biogas



Biokraftstoffe



Biowerkstoffe



Baustoffe



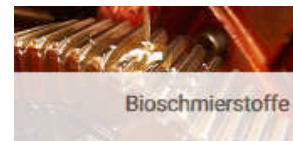
Bau-Natour



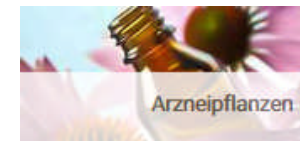
Energiepflanzen



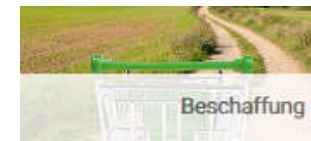
Biopolymernetzwerk



Bioschmierstoffe



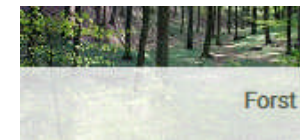
Arzneipflanzen



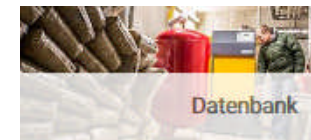
Beschaffung



Das nachwachsende Büro



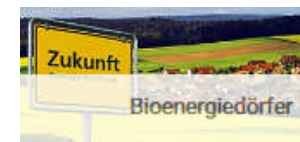
Forst



Datenbank



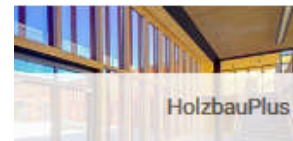
Mediathek



Bioenergiedörfer



Wettbewerb



HolzbauPlus

