



Energy Efficiency in North Rhine-Westphalia

Instruments for Rational Use of Energy

Germany's Number 1 in Energy

- 90% of German hard coal mined in NRW (33% of EU)
- 50% of German brown coal mined in NRW
- 33% of German electricity produced in NRW
- NRW's energy industry provides 250,000 jobs

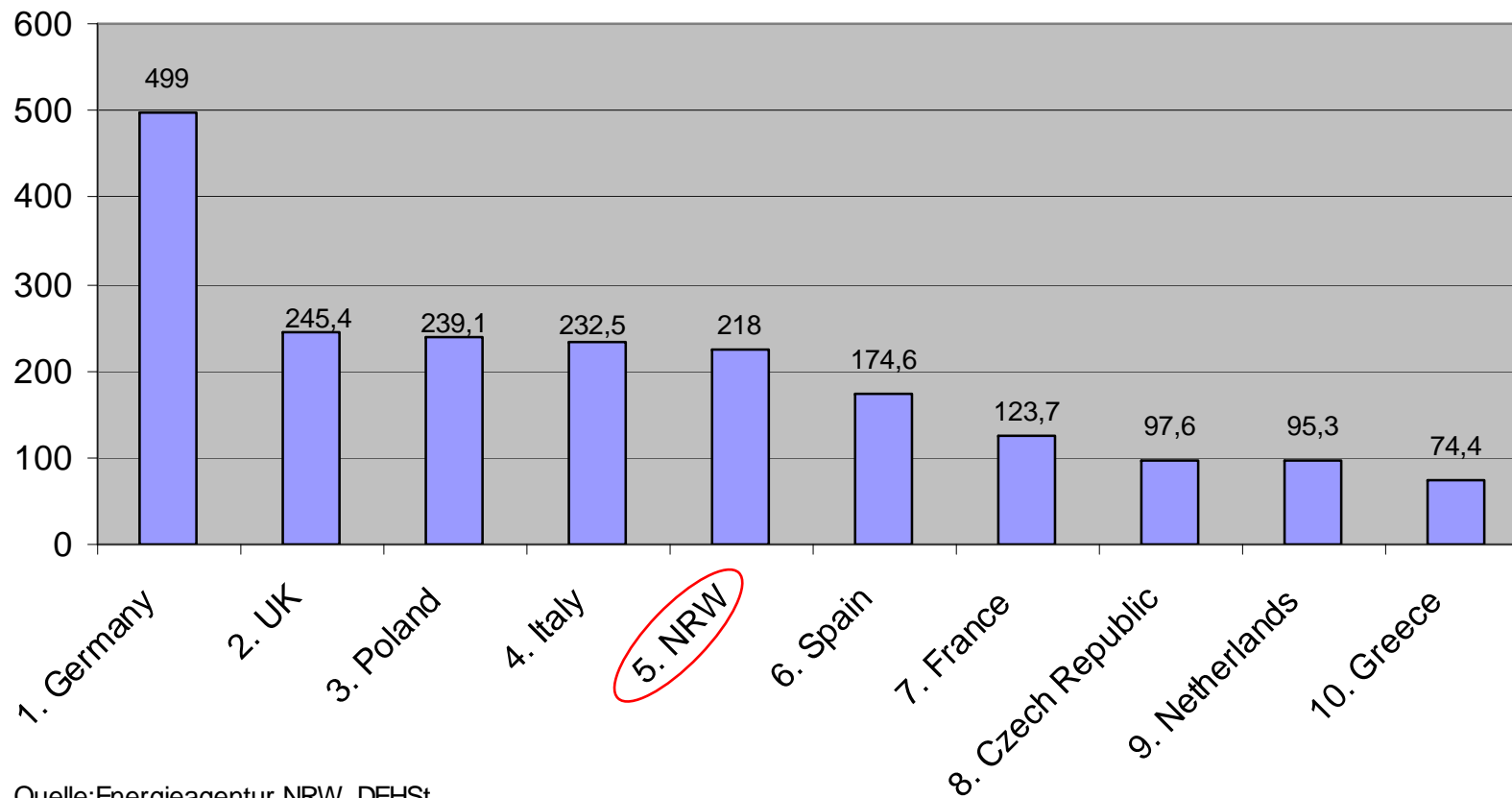
National Allokation Pläne in Europa (2006)



Quelle:DEHSt, 2005

Amount of allocation in Europe: NRW in the fifth place

(annual emission allowances 2005 – 2007 in million tons)



Quelle: Energieagentur NRW, DEHSt

NRW Climate Targets

- GHG Emissions: 222.12 million tons CO₂ (2004)

NRW aims to:

- Reduce 81 MtCO₂ annually through the implementation of cross-sectoral policies
- Reduce primary energy consumption to 20% below 2006 levels by 2020
- Increase the share of renewables in electricity supply from 2% in 2006 to 12.5% by 2010 and 20% by 2020 (100TWh).

Goals and Instruments

Federal level

- The German Government has decided on a package of measures which are expected to reduce a CO₂ equivalent of 35% until 2020

NRW state Government

- Energy and Climate Protection Strategy NRW
- Renewable Energy Concept NRW
- Biomass-Concept NRW
- Energy Efficiency Campaign „NRW saves Energie“
- Energy Research Concept NRW

The EnergyAgency.NRW

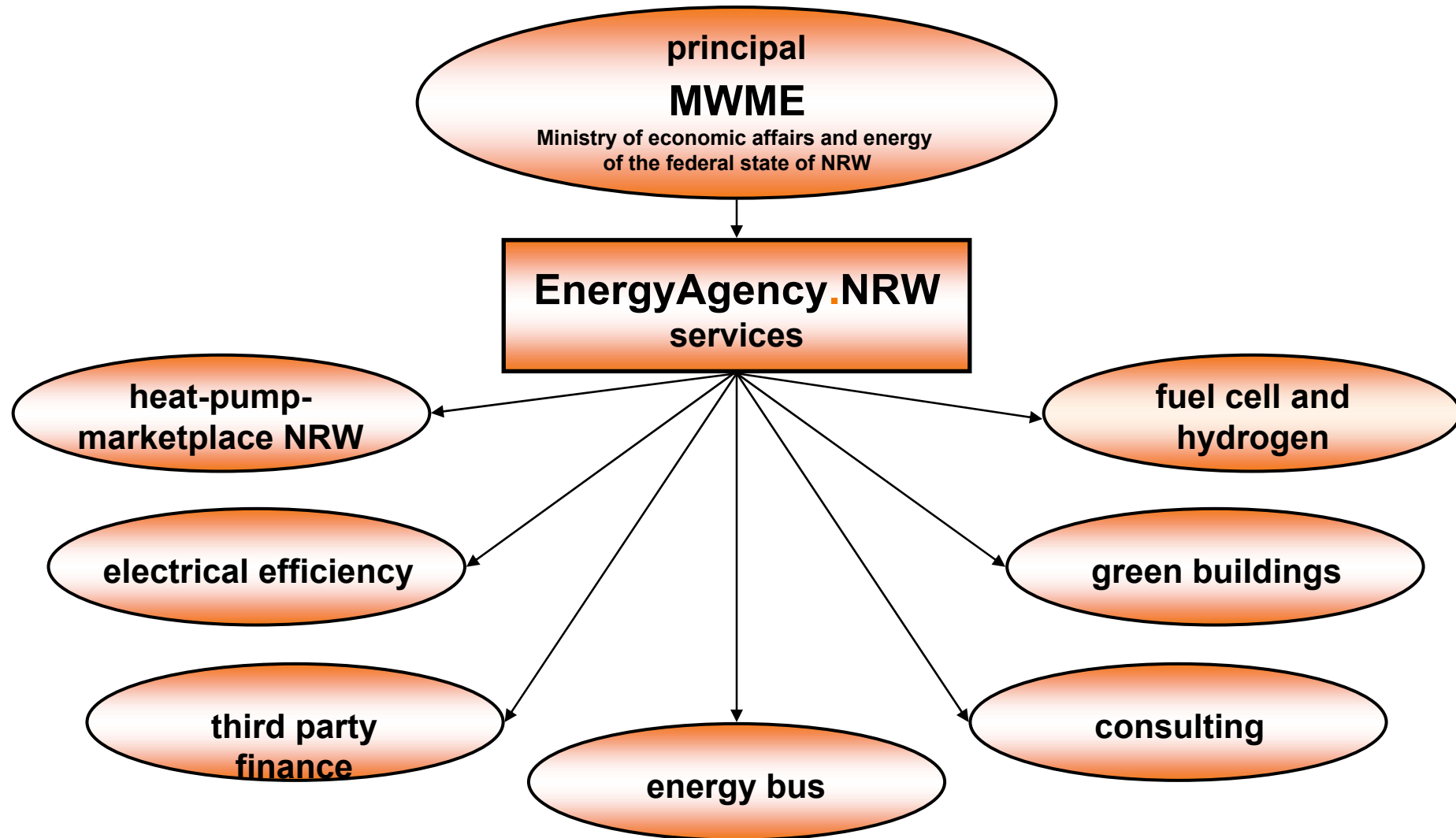
- independant, non-commercial entity
- contact-point for enterprises, municipalities and consumers regarding energy efficiency and renewable energies in NRW

Services

- initial energy consulting
- competence networks
- education
- information



Principal and services

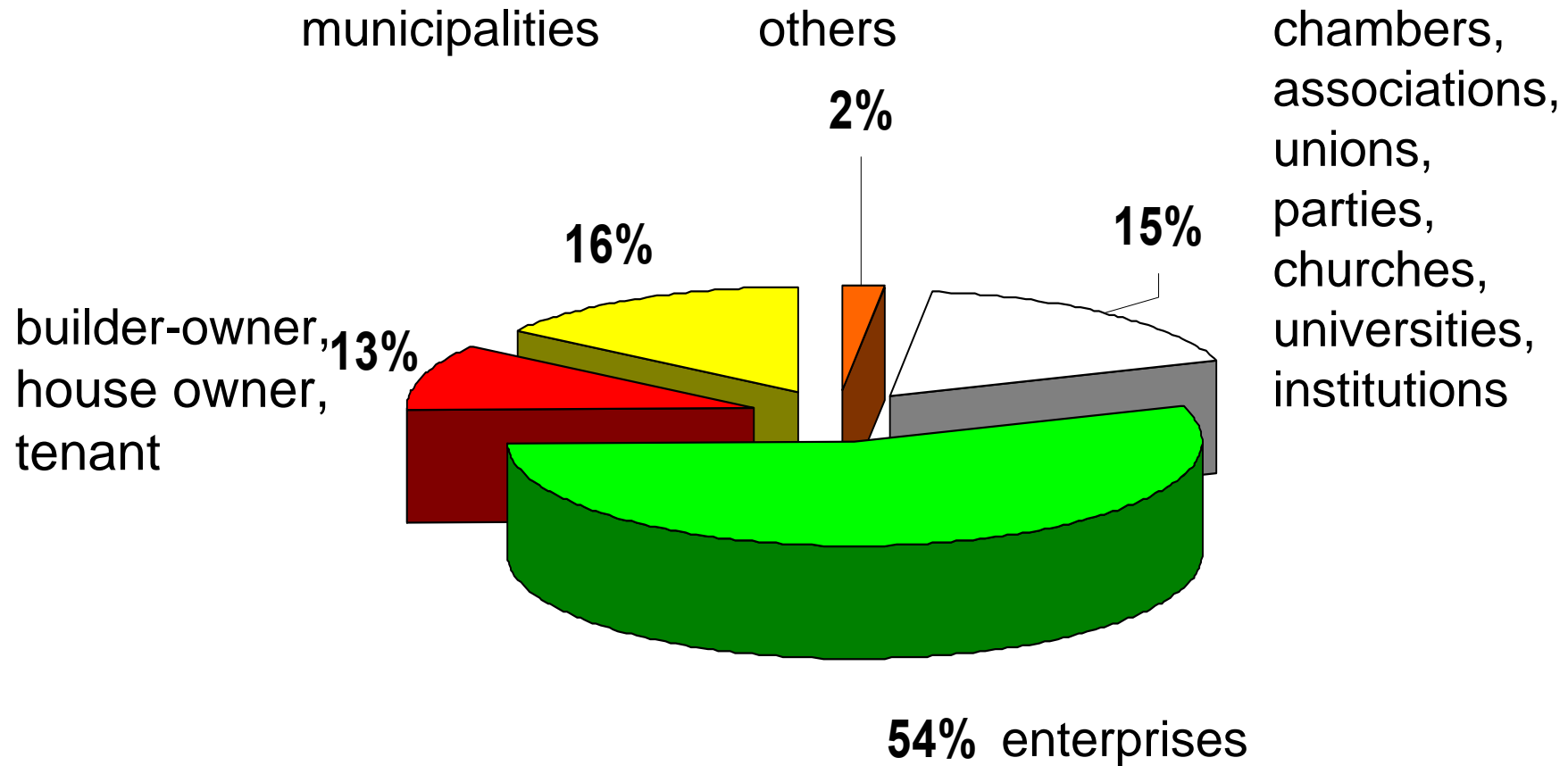


The EnergyAgency.NRW offers

- competence and experience
- competence networks as strategic platforms
- promotion of research and development
- market launch
- consulting on projects and contracting
- continuing education and advanced training
- services for costumers and partners:
 - enterprises
 - public administrations
 - institutions
 - professionals and consumers
 - science



Costumers and partners



Goals

- strengthening competitiveness of enterprises
- relief of municipal budgets
- qualification of experts
- information brokerage on energy topics
- investment in energy efficiency technology
- strengthening local networks
- formation and backing of competence networks
- initiation und steering of demonstration projects
- match-making for service providers / purchasers



Key aspects of activity

- energy efficiency and renewable energies for enterprises
- energy efficiency and renewable energies for municipalities
- green buildings
- innovative power plant and grid technology
- biomass
- mobility: future fuels and drives
- fuel cell and hydrogen
- photovoltaics



Results of the promotional Program Progres

Rational Energy Consumption and Use of Renewables

- From 1988 to 2007: Grants to more than 58,000 projects
- Funding of more than 700 million Euro by EU and NRW
- Further private investments of around 3,5 billion Euro
- more than 3,000 companies involved-

(Since 2007 the programme name is PROGRES NRW)

„thank you for your attention“

Rainer van Loon, EnergieAgentur.NRW



Joint-Implementation Model-Project NRW

Reduction of CO₂ emissions in NRW from installations not covered by the EU-ETS, particularly from SME's

Programmatic JI project to be valued on the international emissions market

NRW supports the international and European Emission Trading market

NRW is targeting energy efficiency

