

## Russia - Germany Cooperation in alternative energy

International experiences of the promotion of  
innovation and new technologies around the  
topic of alternative energy

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Nizhny Novgorod, 21<sup>st</sup> September 2016

# Agenda

- Cooperation axis North Rhine-Westphalia – Russia
- International experiences for the promotion of innovation in the sphere of alternative energy in NRW
- Funding instruments for international cooperation
- Summary

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# Cooperation axis NRW–Russia

Technological and scientific cooperation between North Rhine–Westphalia and the Russian Federation

## Objectives

Initiation and support of R&D&I partnerships between NRW and RF

ZENIT

## Background

The Russian Federation is a key region for international partnerships of research and innovation actors from NRW.

# Cooperation axis NRW–Russia

Technological and scientific cooperation between North Rhine–Westphalia and the Russian Federation

## Facts and figures

Started in 2005  
Contact offices in NRW  
(Muelheim Ruhr) and Moscow

## Facts and figures

Open to any innovation,  
technology, science and research  
inquiries of Universities, research  
institutes and companies from  
both sides

# Cooperation axis NRW–Russia

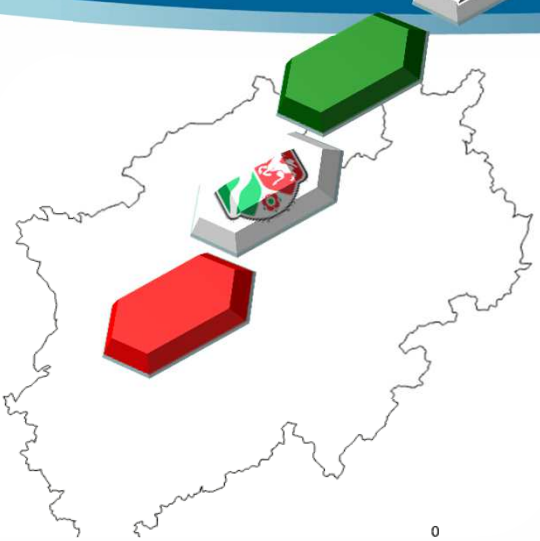
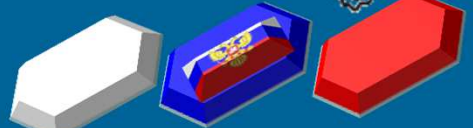
Technological and scientific cooperation between North Rhine–Westphalia and the Russian Federation

## Main services

Initiation and support of joint projects, looking for research and cooperation partners, consulting regarding financial issues and funding

## Main services

Enquiries regarding technology trends, initiation, organisation and implementation of workshops and delegation visits



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# EnergyAgency.NRW

The EnergyAgency.NRW works on behalf of the state government of North Rhine-Westphalia.

Operative platform with broad experiences in energy research, technical development, demonstration, market launch and energy consultancy. Especially for the international exchange.

Manages

- Geothermal energy network NRW
- Fuel cell and hydrogen network NRW
- Wind energy network NRW

NRW shows a **high energy demand** due to a high population density and an **industrial infrastructure = special commitment to use renewable energy!**

It is an **important contribution to the structural change in NRW!**

<http://www.energieagentur.nrw/english>



# Cooperation NRW-Poland

## Initial point in Poland

- Structural change / coal production unviable
- Changing point in polish energy policy – new emerging markets due to changing legal conditions
- Technology Park in Katowice as well as energy agency in Poland

## NRW – Poland cooperation

- Experience exchange with the energy efficiency agency of NRW
- Organisation of a brokerage event
- Initiation of joint projects

# Cooperation NRW-Denmark

Delegation of NRW entrepreneurs and scientists to Denmark in November 2016

- Denmark is a pioneer in district heating
- Experience exchange and learning from best practice examples in Denmark
- Match making between NRW and Danish companies (brokerage event of EEN partners)

# Klima.ExpoNRW

NRW has set binding goals for climate protection.

The KlimaExpo.NRW has been launched as a means to present the technical and economic potential of NRW in these fields. The initiative should act as an exhibition and idea laboratory for NRW.

The KlimaExpo.NRW aims at presenting successful projects to a large audience ranging from the local to the international level.

<http://www.klimaexpo.nrw/en/klimaexponrw/>

# CEF.NRW / Cluster for energy research

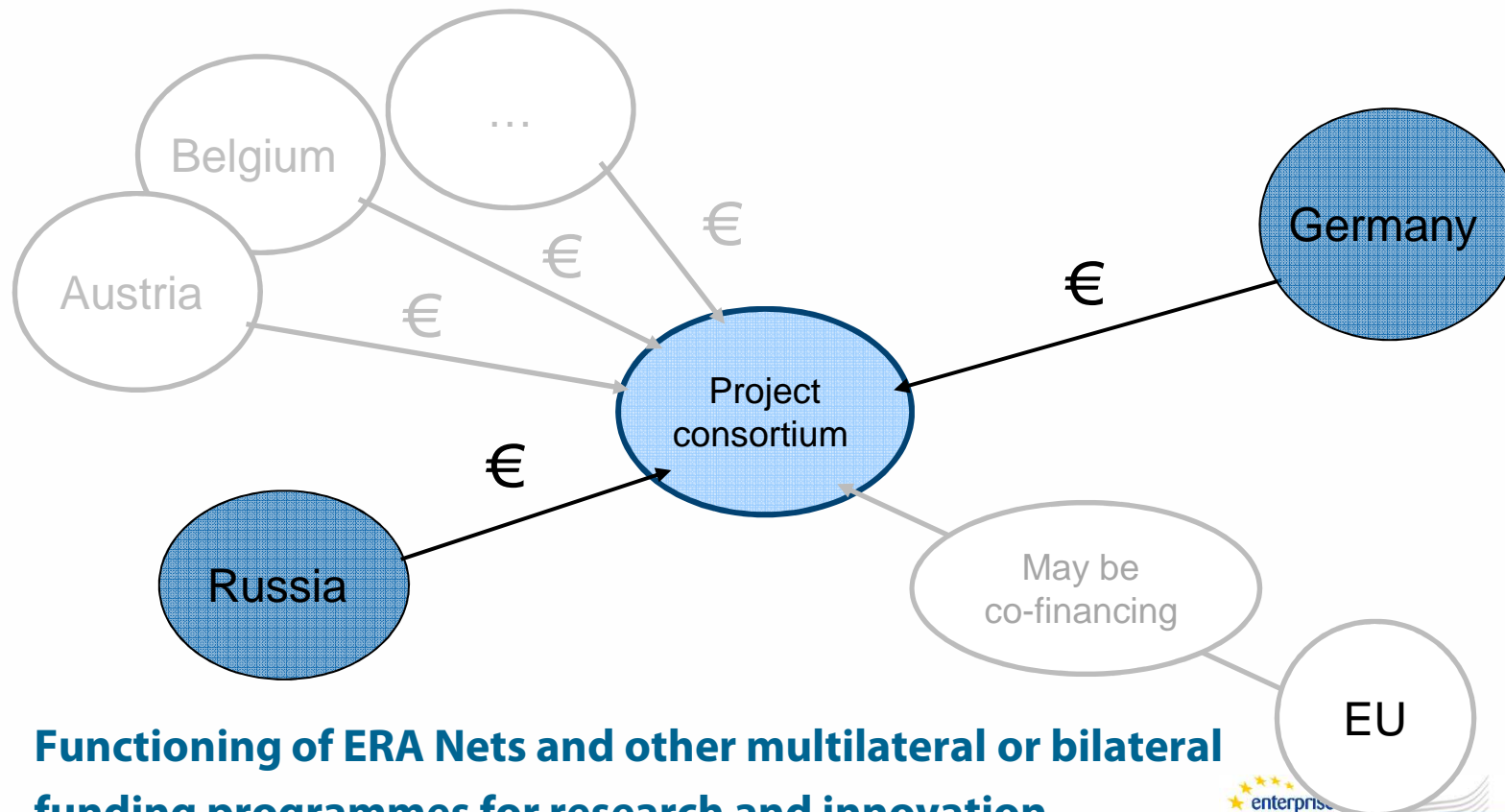
It concentrates on the complex energy supply system.

Main topics are centralised and decentralised power generation, smart grids as well as biological production of energy sources.

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# Bi- and multilateral funding programmes



**Functioning of ERA Nets and other multilateral or bilateral funding programmes for research and innovation.**

# Special funding opportunities for cooperation between NRW – Russia

**ERA.NET Plus with Russia** – strengthening STI links between Russia and the European Research Area

- A new joint call is foreseen in spring 2017 in the areas **nanotechnologies**, health, **environment / climate change** and social sciences
- Funded projects in 2015 in the line “innovation” (18) and “science and technology” (45)
- with a national financial volume of EUR 20 million for funding including a topping-up from the EU of EUR 3.5 million
- 300 project proposals have been submitted
- <http://www.eranet-rus.eu/>

# Special funding opportunities for cooperation between NRW – Russia

## IraSME – Funding for innovation projects

- Funding technical development from first idea to last not marketable prototype
- the minimum consortium is two companies from two participating countries / regions
- Research organisations are eligible as additional partners or as subcontractors depending on the rules of the corresponding country / region
- Now open 18<sup>th</sup> call / deadline 29.09.2016
- Next call 19<sup>th</sup> with deadline end of March 2017
- (for German applicants the ZIM guidelines are binding, for Russian applicants companies are eligible with less than 100 employees)

# Funding of research and innovation

## Requirements

- Projects have to fit into the funding program / call
- The project must show a technological and scientific risk
- Location and exploitation within the program region – where are the partners located?
- Scientific expertise – who are the partners?
- Able to bring in own funds – how to finance it?



# Special funding opportunities for cooperation between NRW – Russia

## Links

- IraSME <http://www.ira-sme.net/>
- <http://www.eranet-rus.eu/>
- Guide on Innovation Stimulation Instruments of the Russian Federation <http://www.st-gaterus.eu/en/1156.php>

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# Summary

## The Cooperation axis NRW – Russian Federation supports:

- the initiation of R&D&I partnerships between NRW and Russia
- The search for suitable partners (scientific and technological)
- The organisation of visits to NRW as well as to regions within the Russian Federation in specific branches
- The identification of suitable funding programs

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# Thank you very much for your attention

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