

THE GERMAN ENERGY POLICY IN CHANGE: RENEWABLES, FOSSIL FUELS, ENERGY EFFICIENCY AND THE INNOVATION PIPELINE

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OUR SERVICES

IDENTIFYING TRENDS

- Innovation and technology analyses
- > Identification of new funding approaches
- Advice on funding strategy
- Development of funding programmes

SUPPORTING RESEARCH AND INNOVATION

- > Advice on national and European funding
- Evaluation of applications
- Management of funding projects
- > Audit of the use of funds and exploitation of results

CREATING THE FUTURE

- Impact analyses and evaluation processes
- > Transferring knowledge to the specialist community and society
- > Committee work developing programmes





OUR BUSINESS AREAS

ENERGY AND CLIMATE

- > Energy efficiency and storage
- > Renewable energies
- > System integration and sector coupling
- > Regulatory sandboxes for the energy transition
- > Smart Energy Showcases
- > Electric mobility, hydrogen, and fuel cells
- > Municipal climate protection
- > Rural development
- > Systems analysis

SUSTAINABLE DEVELOPMENT AND INNOVATION

- > Sustainability and circular economy
- > Basic energy and hydrogen research
- > Bioeconomy
- > Marine, coastal, and polar research
- > Geosciences
- > Maritime technologies
- > Life sciences and health research
- > Materials research and chemistry
- Start-up companies and technology transfer
- > Regional innovations

RESEARCH AND SOCIETY NRW

- > Energy; environmental and climate protection
- > Health economy and life sciences

Project management agency for the Federal Ministry for Economic Affairs

and Energy

- > Digitization
- > New media
- > Production and materials
- > Electric mobility, mobility, and logistics
- > Social innovations
- > Universities and culture
- > Funding start-ups and small and medium-sized enterprises
- > Regional development













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Federal Ministry for Economic Affairs and Energy

THE ENERGY INDUSTRY IN CHANGE





Projektiröger Jülich Forschungszentrum Jülich Federal Ministry for Economic Affairs and Energy

WHERE DO WE ARE? ENERGY CONSUMPTION FOR HEATING/COOLING, POWER AND MOBILITY 2020







Federal Ministry for Economic Affairs and Energy







Federal Ministry for Economic Affairs and Energy



7TH RESEARCH PROGRAM "INNOVATIONS FOR THE ENERGY TRANSITION"

- > Primary goal of research funding:
 - > Support the transition to a climate neutral energy supply
 - > Increasing the usability of innovative energy technologies
- > Research on technologies and concepts that offer
 - > Significant increases in efficiency
 - > Integration of renewable energies
 - > Ensuring security of supply
 - > And a rapid transfer of research results to the application and into the market

> Key ideas

- > Technology-open approach
- > Adoption of new trends: sector coupling or the digitisation of the energy sector
- > Offer opportunities for innovative companies in the national market

07.06.2022











SUMMARY

- > A new orientation in the "magic" energy triangle with the war in the Ukraine: security of supply, environmental sustainability and economics support each other
- As a consequence, for the path for the 2040/2045-goals ("thinking from the end") we have to speed up the transformation into RE and energy efficiency
- > Besides RE from wind and solar, heating/cooling and mobility are on the top of the agenda
- > That means, "Wärmewende" becomes more important
- > Especially in the long run, we need an even more filled innovation pipeline

