



Federal Ministry
of the Interior, Building
and Community

Energy Efficient Urban Redevelopment – Approaches in Germany

Energy transition in the built environment – 6 December 2018, The Hague

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The KfW programme „Energy efficient urban redevelopment“

- To reach climate policy objectives it is necessary to increase energy efficiency in cities
- In 2011 the German government introduced the programme „Energy Efficient Urban Redevelopment“ in cooperation with the KfW bank.
- 50 Mio. Euros are used from a special Energy and Climate Fund on national level (also for research and for conferences).
- New approach: focus not only on single buildings, but on an integrated approach in urban areas (buildings, infrastructure)
- The programme “Energy efficient urban redevelopment” is one of the measures in the climate action plan 2050.



The KfW programme „Energy efficient urban redevelopment“

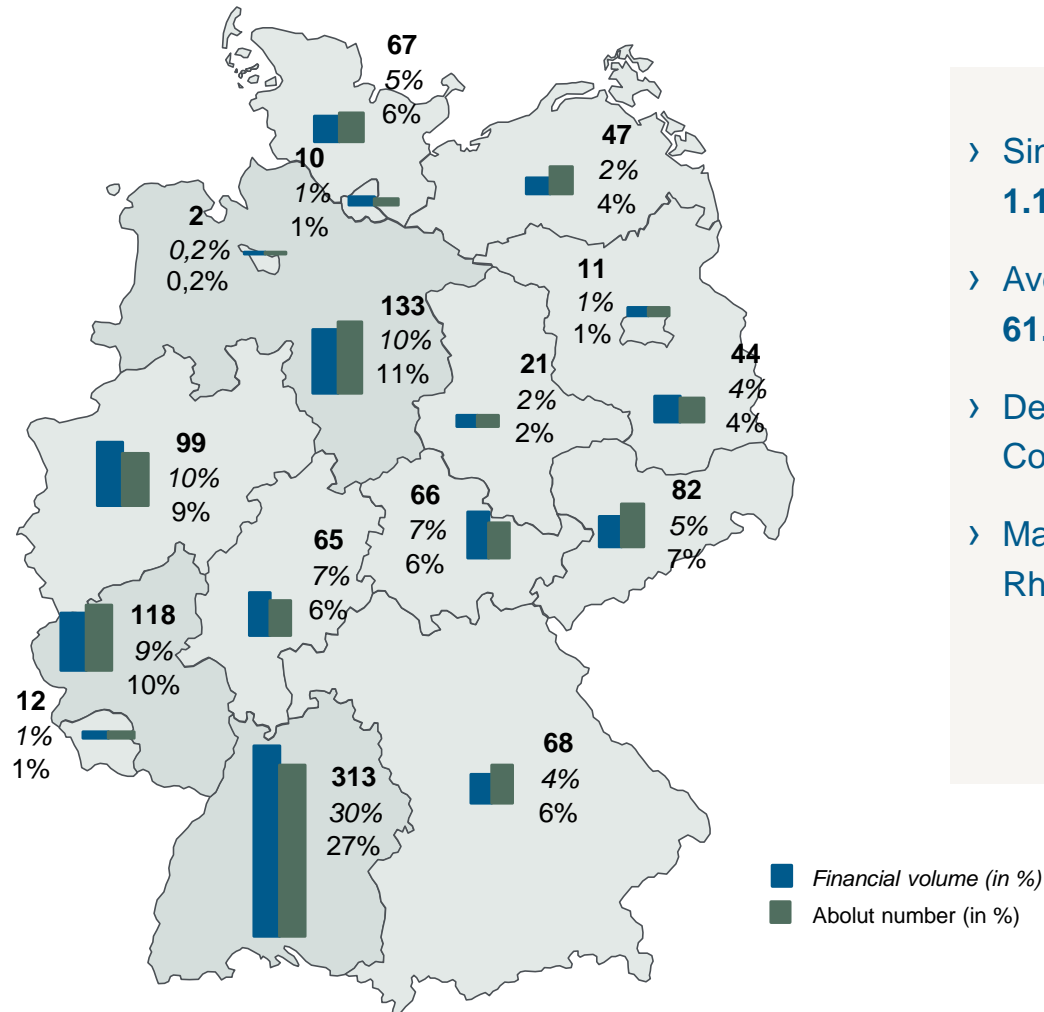
Two parts of the programme

1. Development of integrated concepts for energy efficient redevelopment of urban areas and coordination management
 - Grants given to municipalities or cities, possible transfer to municipal energy supplier, housing companies
2. Investment in energy efficiency in urban areas:
 - Loans for investments in supply systems of local infrastructure such as electricity, heat, water



Energy Efficient urban redevelopment - grants

Funding approval per Land as per 30.09.2018



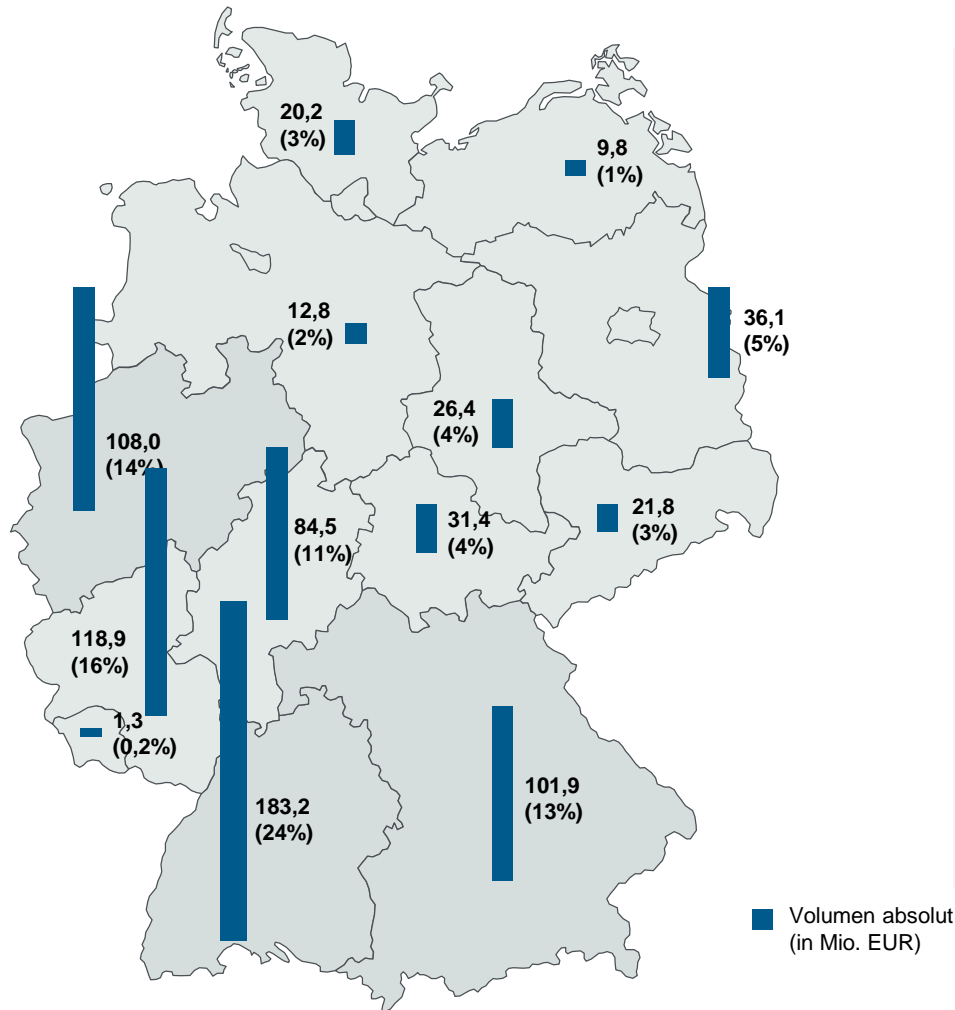
- › Since the introduction of the programme **1.158 approvals** with amount of **70,7 Mio. EUR**
- › Average amount: **61.000 EUR**
- › Development of strategies: 887
Coordination Management: 271
- › Main users: Baden-Württemberg, Niedersachsen, Rheinland-Pfalz, Nordrhein-Westfalen

Stand: 30.09.2018

Quelle: KfW

»» IKK/IKU Energy efficient urban redevelopment - loans for investment in supply infrastructure

Funding approval as per 30.09.2018



- › Since start of the programme **424 approvals** with amount of **756 Mio. EUR**
- › Average amount : **1,8 Mio. EUR**
- › Main users:
Baden-Württemberg, Rheinland-Pfalz, Nordrhein-Westfalen; Bayern, Hessen
- › Main use for:
Heat and power generation plans, new or extension of the heating network, heat generation from waste

Stand: 30.09.2018



Experiences from Potsdam Drewitz

Potsdam

- City of Potsdam located in East of Germany next to Berlin
- Capital city of Land Brandenburg
- 2018: 170.000 inhabitants
- Population forecast: 2035 up to 220.100 inhabitants (coming from Berlin, West-Germany, abroad (also refugees))

Potsdam Drewitz

- Potsdam Drewitz is a district of Potsdam
- Mainly large housing estate constructed in the former East Germany before the unification



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Turning Drewitz into a Garden City

- 2009 idea to turn Potsdam Drewitz into a Garden City
- Main objectives:
- Climate friendly and socially acceptable transformation of the district:
 - Energy efficient refurbishment of the housing stock
 - Create an attractive green environment according to the model of a garden city
 - Climate friendly mobility
 - Keeping rents affordable and
 - Creating a high identification of the inhabitants



Turning Drewitz into a Garden City

Milestones:

- Award in a national competition „Energy Efficient Redevelopment of Large Housing Estates“
- Workshops with inhabitants of Drewitz
- 2013 development of an „Integrated Energy and Climate Protection Concept“
- Basis for the integrated redevelopment of Potsdam Drewitz and its way to a zero-emission city



Turning Drewitz into a Garden City

Objectives of the concept:

- Energy efficient refurbishment of the housing stock
- Turning the main street into a park and reducing the traffic with a new mobility concept
- Opening of a cafe in the new park as a new center of the neighbourhood
- Reconstruction of the primary school and using parts of it as a community center „Oskar“
- CO₂-free district heating
- Construction of highly energy efficient new houses



Project Partners

- Public Housing company „ProPotsdam“ was Initiator of the process
- Cooperation with City administration of Potsdam
- Other housing companies and housing cooperatives
- Company for Energy and Water Supply



Funding support

- KfW-programme energy efficient urban redevelopment for concept and management
- KfW-programmes for energy efficient refurbishment and for reducing barriers in the flats
- Funds by the Federal State of Brandenburg (Social Housing Promotion - Soziale Wohnraumförderung)
- Urban Development Assistance Programmes, here: „Social City“
- European Regional Development Fund



Film

- Potsdam Drewitz: an international role model
- <https://www.kfw.de/stories/environment/energy-efficiency/restoration-garden-village-potsdam-drewitz/>



We work on...

Improving the conditions of KfW-programme „Energy efficient urban redevelopment“

- Include concepts for mobility
- Strengthen rural areas and approaches of cooperation
- Integration of new constructed housing estates

Continue information exchange

- Regular Exchange with the German Länder
- Continue with parallel research project (until 2021)
- Conferences, workshops, webpage

Adaptation of the legislation: Strengthen the area based approach in the regulation of the energy efficiency of buildings



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Thank you very much for your attention!

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