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Projektträger Jülich Forschungszentrum Jülich



Introduction to BMBF Research Programme REFINA

Maike Hauschild, Project Management Juelich (PtJ)

Bilateral German-Polish REFINA workshop, November 6, 2009, Gedansk

Project Management Jülich

- manages the funding of research and innovation
- combines scientific, structural and administrative competence
- acts as neutral partner and without own economic interests
- 420 employees
- operates like an authority under rules of Federal administrative law
- Scientific competence: Environment and sustainability Biotechnology, Energy, Materials technologies, Marine and polar research, geo-technologies, Navigation and marine technology
- Manages REFINA programme

	Volume € million
Federal Ministry of Education and Research (BMBF)	471.6
Federal Ministry of Economics and Technology (BMWi)	143.2
Federal Ministry for the Environment, Nature Conservation and Nuclear Safety (BMU)	112.7
Federal Ministry of Transport, Building and Housing (BMVBS)	11.7
Federal states	38.2
	777.4

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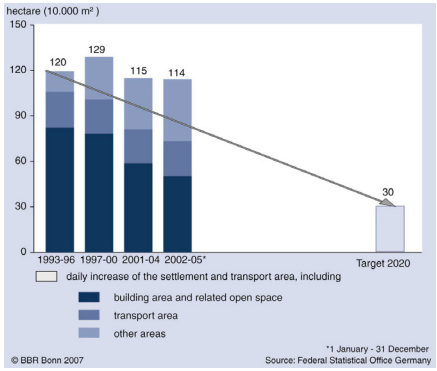
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*Forschung für die **RE**duzierung der **F**lächen**I**nanspruchnahme und ein **NA**chhaltiges Flächenmanagement (**REFINA**)*

Aim of National Sustainability Strategy:

- Reduction of Land Consumption for new settlement and transport-related areas to **30 ha per Tag** in **2020**
- Qualitative aims for land use management



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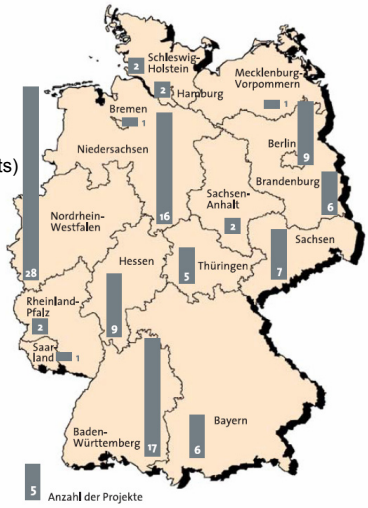
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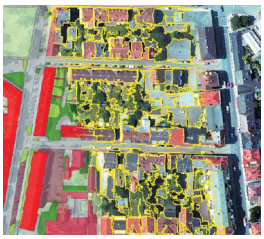
- Funding: 22 Mio. €
- Duration: 2006 - 2010
- Projects: 116 (32 clustered and 13 single projects)

Priority	Topics
New methods and instruments	Information on soil and land
	Cost of land consumption
New processes and constellations of actors	Communication and participation
Integrated model concepts	Revitalization of individual sites and conversion areas
	Model concepts for local authorities
	Regional model concepts



Concerted action of BMBF, BMVBS, BMU

Information on soil and land

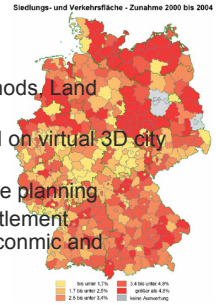








- Automated remote sensing methods, Land barometer
- Land information systems based on virtual 3D city models
- Urban soil evaluation for land use planning
- (Supra-)Regional analysis of settlement development base on a macroeconmic and multisectoral forecast model



Cost of land consumption



Greenfield developments involve a wide range of follow-up costs



A house in the country: property prices are often lower, but mobility costs higher

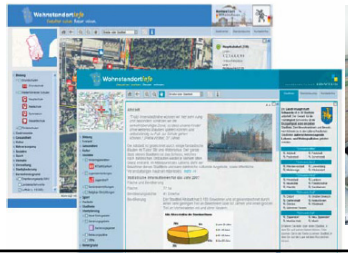
- Focus on Follow-up costs
- Planning and development costs
- Cost-transparency for local authorities
- Follow-up costs for private households

Communication and participation

- Communication to general public
- On-the-spot dialogue creates room for political manouvre (transparent conversion)
- Specific offerings for local authorities (demand-driven life-cycle management, Information system on choosing a home, etc)
- Adress new target groups with innovative offerings (young people, computer game, e-learning, films)









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Revitalisation of individual sites and conversion areas

- New life at old sites
- Intelligent remediation methods
- Management of conversion projects
- Grey turns to green
- Projects: Biorefine, Optirisk, KOSAR, SINBRA, Design-Charrettes



The greening of old industrial areas (Landschaftspark Nord, Duisburg)



Structural change makes room for residential and commercial buildings (HafenCity Hamburg)



Disused military site (Bad Kreuznach)

Model concepts for local authorities

- Encouraging inner-city development
- Upgrading inner-city neighbourhoods
- New forms of funding (private-sector funds)



New homes for various groups of users and residents at the site of an old factory in the east of Stuttgart



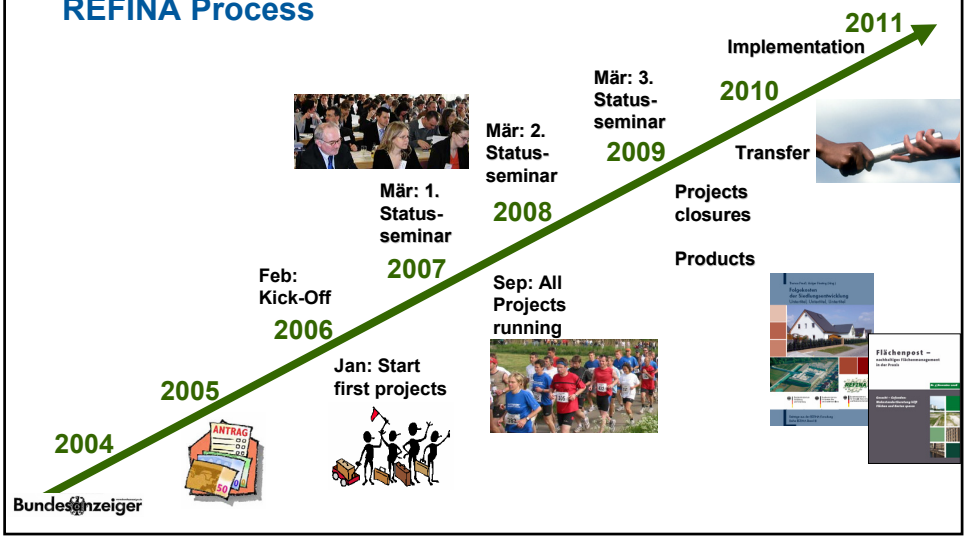
New life in a rehabilitated neighbourhood



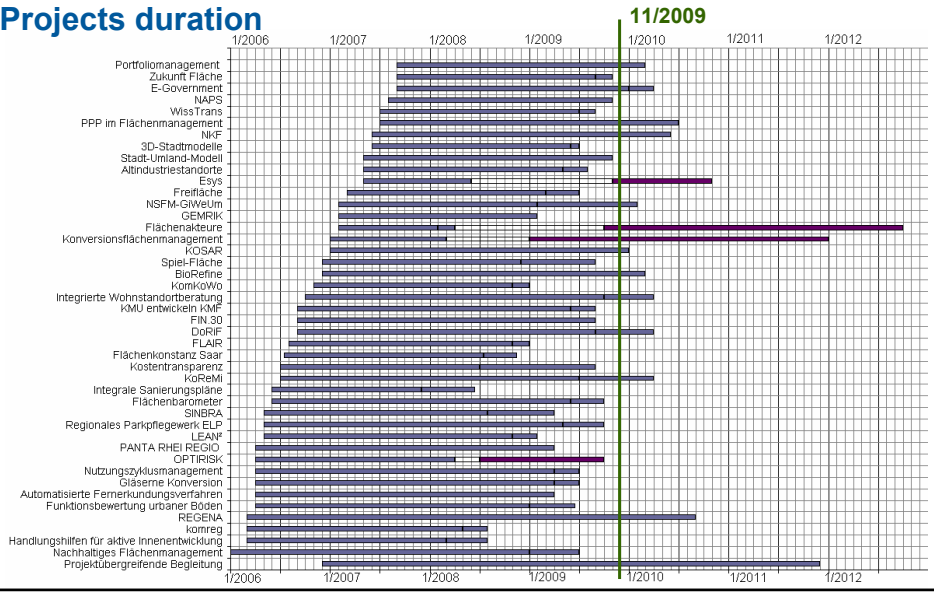
The large housing estates of the 1950s to 1970s often need modernization

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REFINA Process



Projects duration



REFINA Products

- Project reports
- Reference concepts, Best practice guidelines, Tools => Product database (www.refina-info.de)
- Flächenpost, monthly since 09/2008
- REFINA-Series - 2009:
  - Folgekosten der Siedlungsentwicklung
  - Kommunikation im Flächenmanagement
  - Flächenbewertung
- REFINA Compendium for practice - 2010
  - Print und online-Version



Transfer

- Regional conferences, e.g. final workshops of projects
- REFINA Research Support Team – Difu
  - Series of Regional workshops
  - Print and online documents
  - Joint activities with experts from federal ministeries, agencies, central organizations of local authorities, Council for Sustainable Development, professional associations
  - International exchange / workshops
- Competence Center **TASK Leipzig**: supporting measures for REFINA products in planning, www.task-leipzig.de



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www.task-leipzig.de



Thank you for your attention