

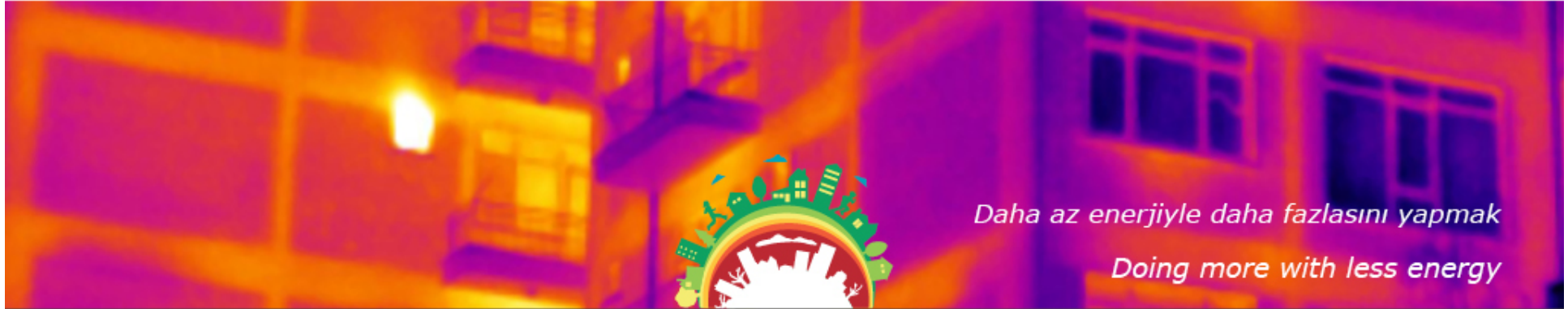


Bu proje Avrupa Birliđi ve Trkiye Cumhuriyeti tarafından finanse edilmektedir.
This project is co-financed by the European Union and the Republic of Turkey

Binalarda Enerji Verimliliđinin Artırılması iin Teknik Yardım Projesi
Technical Assistance for Improving Energy Efficiency in Buildings Project

Improving Energy Efficiency in Buildings Fiscal & Financial Issues

Janna Fortmann



NIRAS





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Rational for Financial and Fiscal Measures

- Energy Efficiency improvements do not happen by themselves
- Energy Efficiency is achieved through the implementation of adequate technologies, which produce measurable energy savings
- Implementing new technologies costs money – regardless of the sector





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Aim of the Current Project Phase

- Identify and map the financial and fiscal measures in place across the European Union and in Turkey
- Clarify and categorize the types of support available in the residential sector and in the public sector
- Identify best practise, based on results achieved
- Evaluate the suitability of individual measures and their effect if they were applied in Turkey
- Identify potential barriers to and accelerators for applying these measures in Turkey





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Viabie Fiscal and Financial Measures

Residential Buildings

- Low-cost loans
- Grants
- Loan guarantee schemes
- Vendor Financing
- Certification schemes (similar to carbon credit trading)
- Loan guarantees
- Tax reduction / incentives

Public Buildings

- Budget finance
- Loans from public & private sector banks
- Dedicated (revolving) funds
- PPPs
- Energy Performance Contracts & ESCOs





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Case Example - Italy

- Measures and saving targets included in the NEEAP 2014 for the residential sector:
 - Implementation of regulation standards (new EPBD standard and Eco Design Directive): 1.60 Mtoe/y
 - Thermal Account: 0.54 Mtoe/y
 - Tax Deductions (55%): 1.38 Mtoe/y
 - White Certificates: 0.15 Mtoe/y
 - Revolving fund for public sector investments in energy efficiency





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Case Example - Netherlands

- Public Buildings: Energy Savings Advice
 - Results >3%
 - Financing through ESCO models
 - Subsidies for Social Housing
- Other measures:
 - Energy Tax
 - Energy Investment Allowance
 - Long-Term agreements
 - Green investment and finance (Random depreciation of Environmental Investments)
 - Green Deal





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Case Example - Denmark

- Horizontal measure
 - Energy Efficiency Obligation schemes
 - Metering & billing
 - Consumer information and trainings
 - Financing through: government funds and loans to municipalities
- Building sector
 - Subsidies from energy companies
 - Tax relief
 - Low cost loans





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THANK YOU



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