

Domestic-funded financial instruments

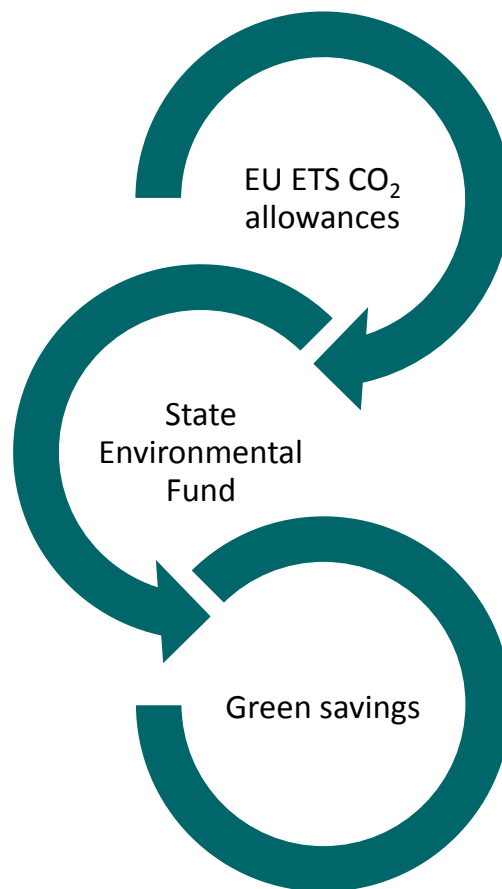
Lukas Lehotsky
Masaryk University, Brno

Green savings

Programme description

- Domestically financed energy-efficiency programme
- Insulation of residential buildings
 - Both individual houses and residential blocks
- Subsidization of replacement of heating devices

Scheme logic



Timeline

- Green Savings 2009
- New Green Savings 2013
- New Green Savings
 - 2014 – 2021
 - Long-term implementation of the programme

New Green Savings

- Improve EE of existing buildings
 - 30-55% of insulating costs
 - Replacement of inefficient heating source
- Build new passive houses
- Total allocation up to 27 billion CZK (1 billion EUR)
- Retroactivity allowed
- Subsidies on project documentation

State Housing Development Fund

Panel and New Panel

- 200 000 apartment buildings made of concrete slab blocks – 1/3 of all housing in CZ
- 2001 – programme Panel introduced in order to refurbish these buildings
- 2009 –New Panel broadens the scheme
 - non-concrete apartment blocks
- 2001 – 2011 – 13,85 billion CZK (512 million EUR)
- Interest subsidy on commercial loans
- State guarantee on commercial loans

Panel 2013+

- Loan scheme on reconstruction of apartment buildings
- Not specific to energy efficiency projects
- All projects need to undergo energy efficiency audits since august 2014
- Financial parameters
 - Low interest rates – as low as 0.75% of all costs
 - 75-90% of all costs coverable
 - Loan duration up to 30 years
 - Shorter the loan, lower the interest rate

EFEKT

EFEKT

- Subsidy scheme
- Ministry of Industry and Trade
- Since 2000 – scheme opened on a yearly basis
- Cogeneration and/or RES by 2012
- EE subsidies
 - Public lighting
 - Production processes and heating sector
 - Heating refurbishment/reconstruction

EFEKT

- Energy management
- EPC feasibility studies
- Energy auditing
- Specific pilot projects

European-funded financial instruments

Integrated Regional Operational Programme

Regional Operational Programmes 2007-2013

- 7 regional Operational Programmes
 - Decentralized structure
 - 126 billion CZK (4.66 billion EUR)
- Energy not pivotal
 - Focused on social development, infrastructure, regional employment, mitigating differences between regions
 - Usually side-effect of revitalization projects; projects on decreasing environmental burdens; projects on refurbishment of infrastructure etc.

IROP 2014-2020

- Priority axis 2 – increase in quality of public services and welfare of regions
 - Increase of energy efficiency one of particular targets
- Apartment blocks
- Outside of Prague
- Subsidies or loans
 - Insulation of outside shell
 - Replacement of heating
 - Eco-sources of energy for particular buildings
- No programme open yet

Operational Programme Environment

Operational Programme Environment 2007-2013

- Priority axis 3
- 5 billion EUR EU
 - EU Cohesion Fund
 - EU European Regional Development Fund
- Allocation
 - Combined electricity-heat generation
 - Energy savings
 - Utilization of waste heat
- Various actors

Current OPE 2014-2020

- Priority axis 2 – Air pollution in residential areas
 - Replacement of old heating furnaces (coal, wood) for more efficient ones – first call
 - Subsidies for individuals
 - Disseminated through regions – regional administrations will set particular schemes and their parameters
 - 3 billion CZK (110 million EUR)
 - Region-specific
 - Min. financial allocation
 - Minimal installation thresholds (total 20k units)

Current OPE 2014-2020

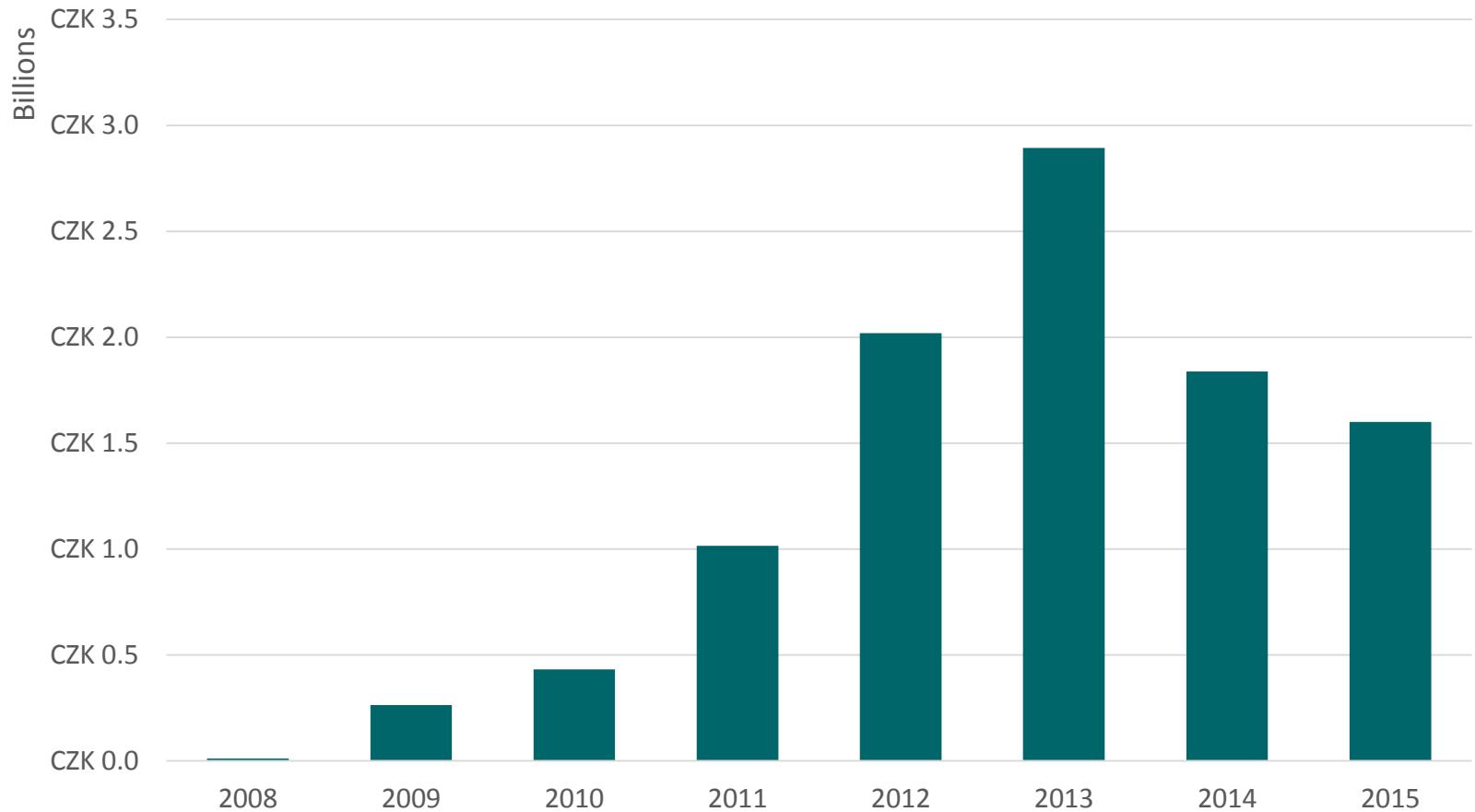
- Priority axis 5 – Government buildings
 - refurbishment in existing objects
 - high energy standard in new objects
- First call – new buildings
 - Mid-October 2015 till mid-October 2016
 - Passive standard
 - Non-refundable subsidies/low-interest loans
 - Maximum 60% of overall costs
 - All public institutions eligible

Operational Programme Enterprise and Innovations for Competitiveness

OP Enterprise and Innovations 2007-2013

- Reimbursed 94 billion CZK (3,48 billion EUR)
- European Regional Development Fund
- 7 priority axes – axis 3 on energy
 - Eco-Energy programme on energy savings -13,43% of overall budget
 - 3 project calls
 - 9.35 billion CZK (352.6 million EUR) already reimbursed
- Managed through Czech Invest agency

Eco-Energy project reimbursement



OP Enterprise and Innovations for Competitiveness 2014-2020

- OPEI successor
- Scheme approved late-April 2015
- Energy one of four priority axes
 - Wider range of possibilities
 - Larger budget
- Managed directly – separated from Czech Invest

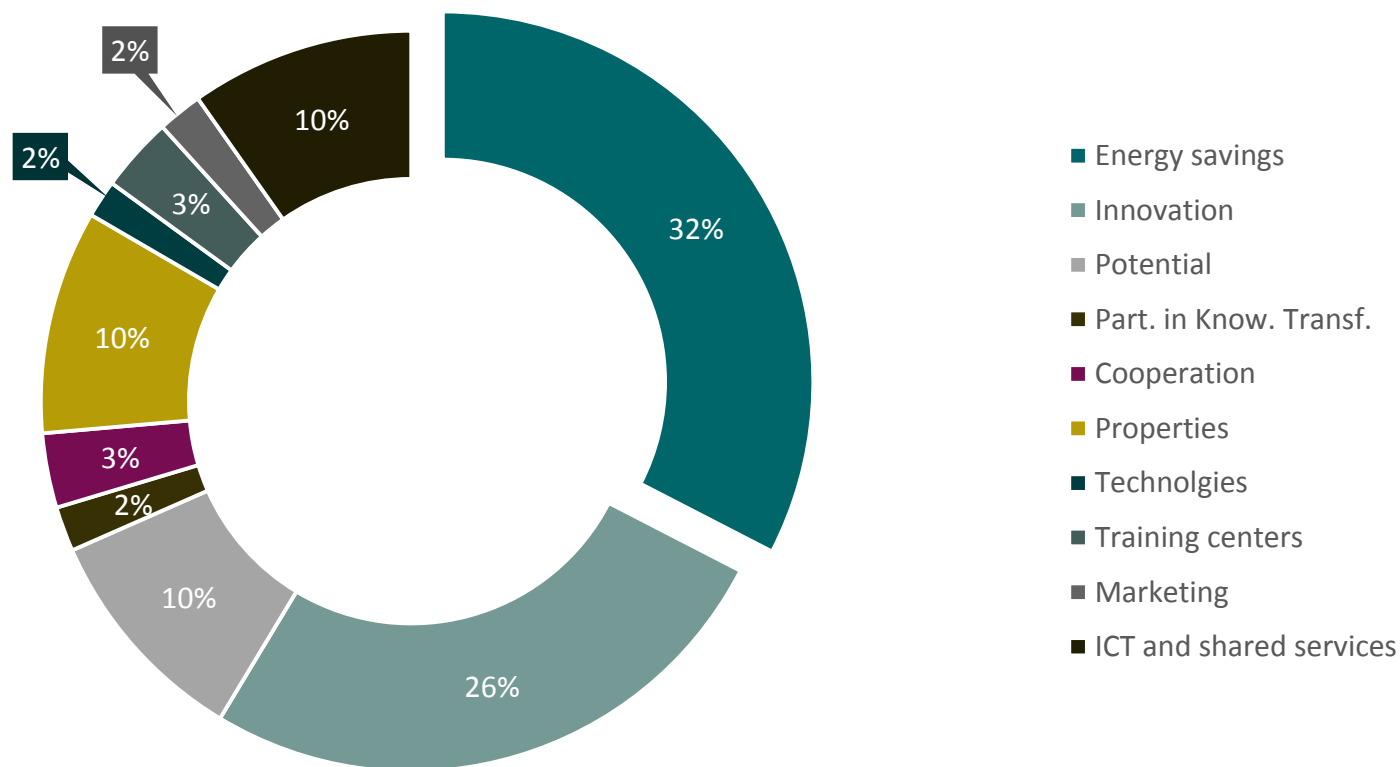
Energy-relevant schemes

- 3 main areas
 - Energy savings
 - Renewable sources of energy
 - Energy infrastructure projects (Smart grids)
- 33 billion CZK (1.22 billion EUR) until 2020

Energy savings

- First programme open
 - 500 000 to 250 million CZK on single project
 - 50% to small, 40% to mid-sized and 30% of all expenses to large enterprises
 - Each company up to 4 simultaneous applications in whole programme
 - Large enterprises at most 40% of the 1st round budget
 - Outside Prague
 - Max. support on studies – 350 000 CZK (12500 EUR)
- Goals
 - Decrease energy intensity
 - Increase energy efficiency

1st round resources allocation



European Investment Bank

Private Financing of EE

- New EU scheme
- Loans to industry, mainly SMEs
- Disseminated through local banks
 - Komerční Banka in Czech Republic
 - Signed agreement in August 2015
- 2 billion CZK (75 million EUR)