

Promoting Resource Efficiency in Central and Eastern Europe

Funding Energy Efficiency



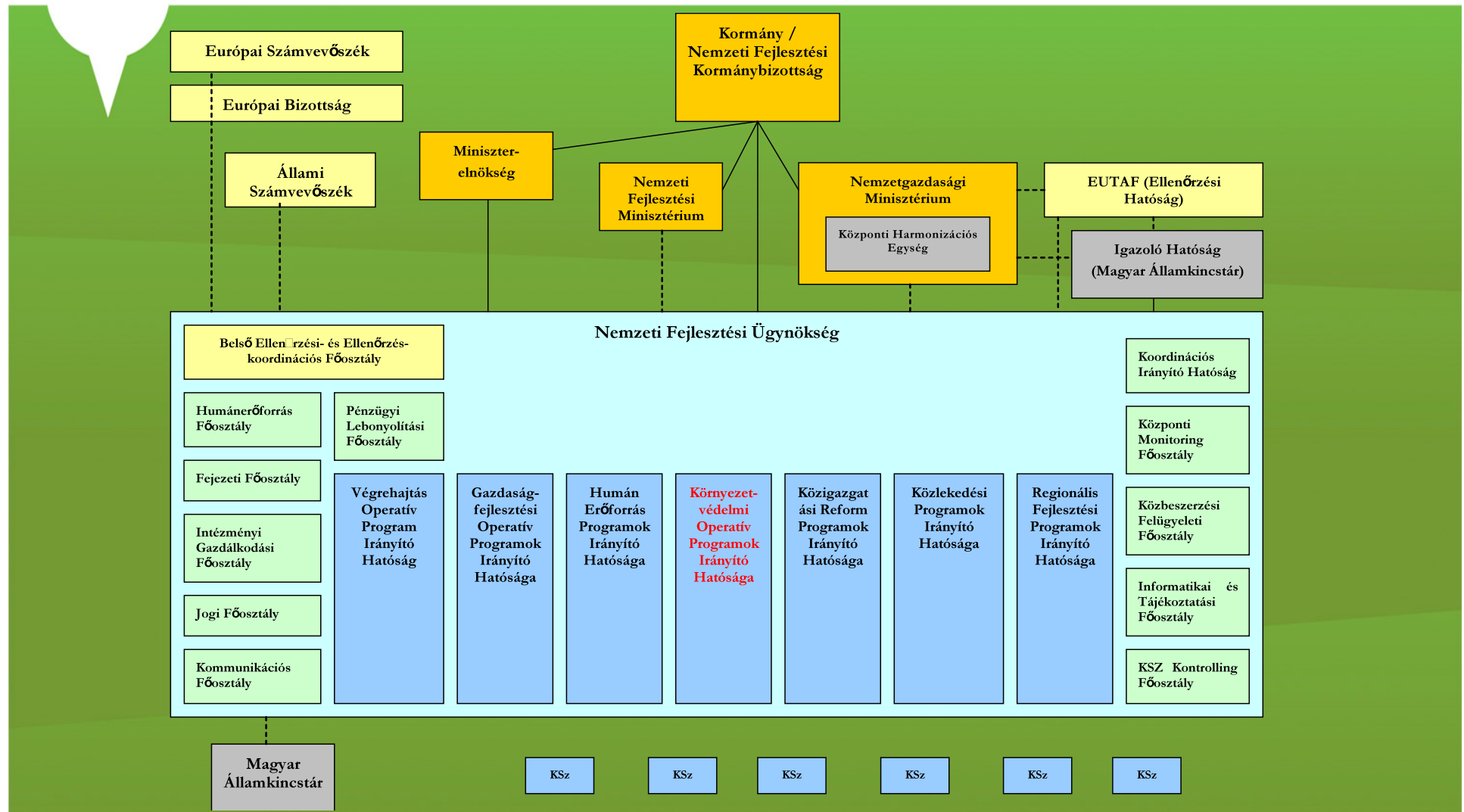
National
Development Agency

National Development Agency
www.ujszecenylterv.gov.hu
06 40 638 638



The projects are supported
by the European Union.

Organization of the National Development Agency





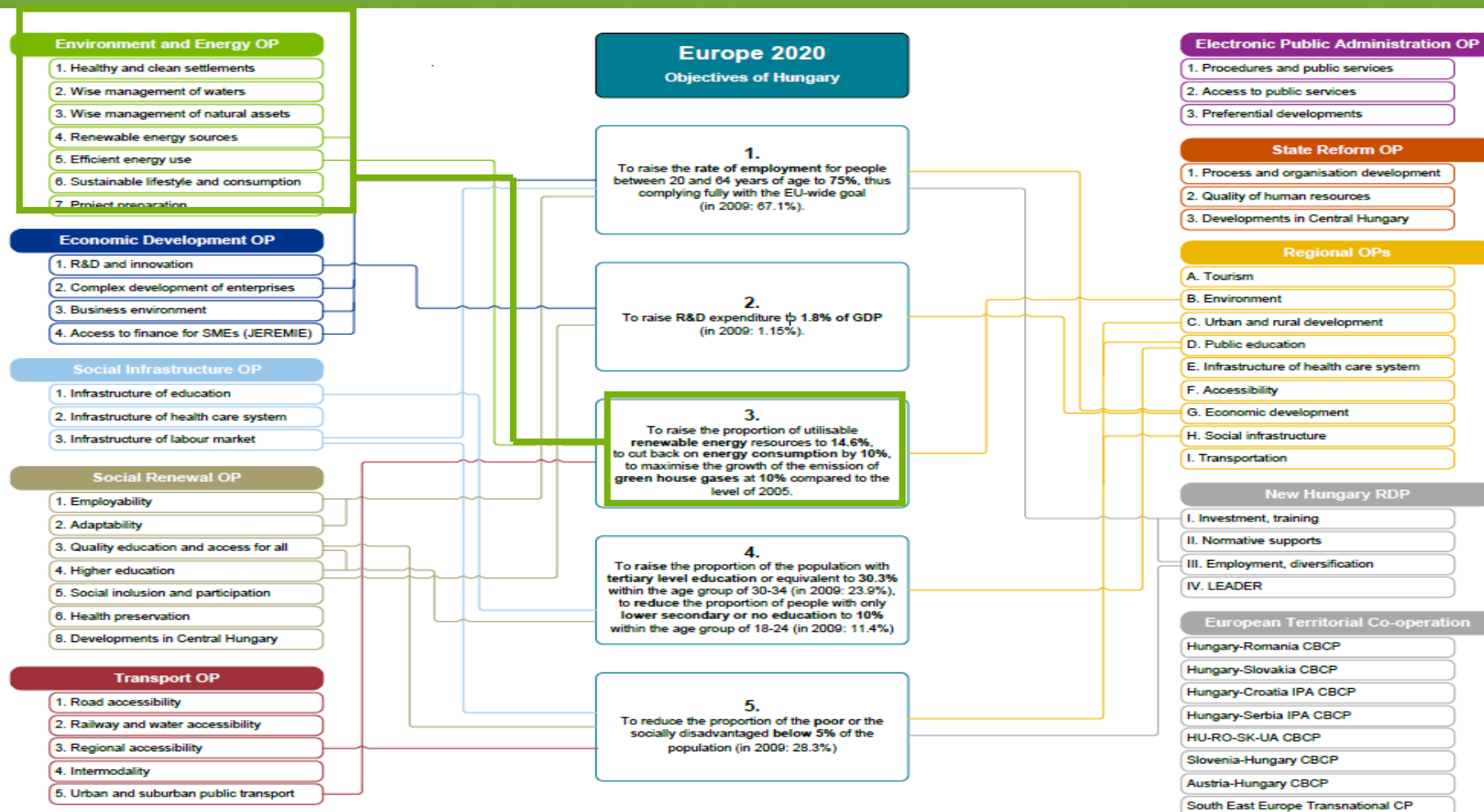
2007-2013

- EEOP Environment and Energy OP
- EDOP Economic Development OP

2014-2020

- EEEOP Environment and Energy Efficiency OP

Links between the Europe 2020 strategy and the NSRF





EDOP-2009-2.1.4/H technologies for the use of waste
EDOP-2009-2.1.4/K technology development with focus
on the environment



SZÉCHENYI PLAN

The call for proposals promotes reuse of waste and recovery of waste for energy production

Amount and extent of support: HUF 25-1000 million, up to 50 %

Eligible expenditures: procurement of assets, IT development, real estate investment, trainings, environmental management system, marketing

The applicant has to ensure an increasing rate of reused wastes even after the completion of the investment.

The purpose of the call for proposals is to foster technology development and reduce environmental pollution in companies

Amount and extent of support: HUF 5-125 million, up to 50 %

Eligible expenditures: procurement of assets, IT development, real estate investment, trainings, environmental management system, marketing

The applicant has to reduce environmental impacts (water, energy, waste etc.) even after the completion of the investment. The applicant shall introduce a quality control, environmental management system or use the EU Eco-label etc.



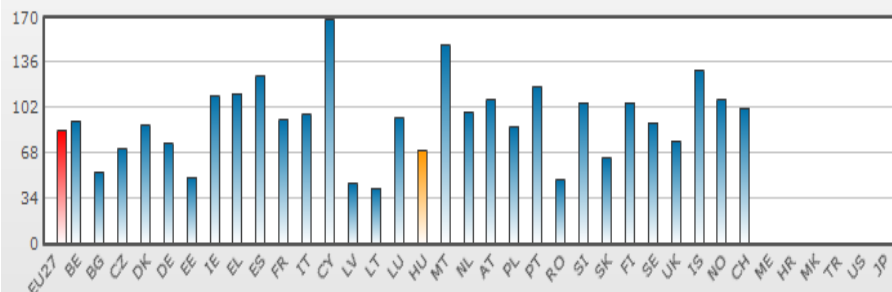
EDOP-2011-2.1.4 technology development with focus on the environment



SZÉCHENYI PLAN

- The purpose of the support scheme is to enable companies to implement technology development and directly reduce environmental pollution, i.e., decrease energy, water and raw material consumption, reduce waste generation and emission of other harmful substances. Another objective is the integration of sustainability and environment protection in the management and operative decisions.
- Amount and extent of support: HUF 15-100 million, up to 40 %
- Eligible expenditures: procurement of assets, IT development, real estate investment, environmental management system, trainings, marketing
- The applicant has to ensure
 - an increasing rate of reused wastes and
 - the introduction of a quality control, environmental management system or use of EU Eco label

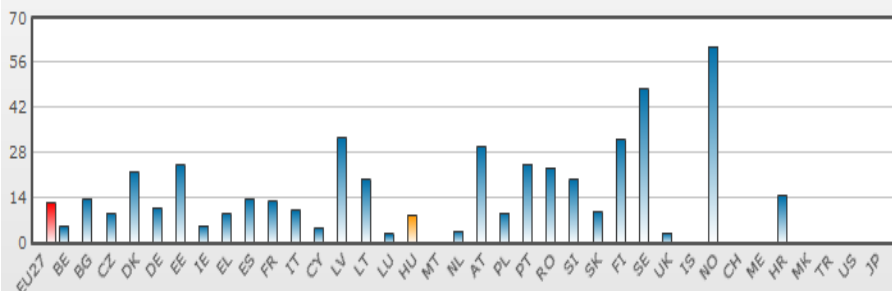
Greenhouse gas emissions by countries, base year 1990 - 2010



Hungarian interests (NRP 2012):

- reduction of consumption through the improvement of energy efficiency
- refurbishment of existing buildings (with special regard to public buildings)
- reduction of greenhouse gas emission
- to reduce the effects of climate change
- raising the proportion of renewable energy sources

Share of renewable energy in gross final energy consumption (%), by countries - 2010



Main measures (NRP 2012):

- development of green transport
- to increase the ratio of renewable energy sources
- energy efficiency programmes (*inhabitants, public and business sector*)

SF and CF contribution (among others)

- EEOP 4. Renewable energy sources
- EEOP 5. Efficient energy use

Supporting SMEs – energy efficiency and renewables (EDOP and EEOP)



- EDOP: complex technology development for SMEs
- EEOP: priorities
 - Use of renewable energy
 - Energy efficiency
- The EEOP is an indirect tool to support resource efficiency
 - energy efficiency in buildings
 - cooling and heating systems in SMEs

Environment and Energy OP priorities 2007-13



Priority	Amount of aid, in €	Percent age, %
1. Healthy, clean settlements	2 608 905 388	49,21
2. Proper treatment of our living waters	1 410 975 176	26,61
3. Wise management of natural assets	135 281 907	2,55
4. Increase of the use of renewable energy sources	395 931 455	7,47
5. Efficient energy use	386 514 357	7,29
6. Sustainable lifestyle and consumption patterns	77 562 765	1,46
7. Project preparation	197 143 221	3,72
8. Financing the management of the Operational Programme (technical assistance)	89 689 830	1,69
<i>Total</i>	5 302 004 099	100

15% national co- financing inclusive (at current price)

Energy in buildings (EEOP-2009-5.3.0)



EEOP-2009-5.3.0 Energy efficiency in buildings and upgrading public lighting

- Budget: EUR 141,8 million
- The call for proposals supports:
 - Improvement of heat technology of buildings, decreasing heat losses
 - Upgrading/refurbishment of heating and cooling systems, domestic hot water systems serving non-productive purposes
 - Upgrading/refurbishment of lighting systems
 - Contracted amount of grant for SME's: EUR 17,2 million
 - Total disbursement for SME's until 01/09/2013: EUR 15,7 million

Energy efficiency in buildings

EEOP 5.5.0 Energy efficiency in buildings and upgrading public lighting

Contributes to the improvement of energy-saving, efficiency increasing reconstruction of buildings (buildings of local government, other public buildings, offices and utility buildings of enterprises) in the form of non-repayable grants

Budget: EUR 117,3 million

The call for proposals supports:

- Improvement of heat technology of buildings, decreasing heat losses
 - Upgrading/refurbishment of heating and cooling systems, domestic hot water systems serving non-productive purposes
 - Upgrading/refurbishment of lighting systems
-
- Projects to be contracted in a value of EUR 24 million

Result and target indicators of the EEOP



Indicators of measure nr. 5.3.0

- Reduction in greenhouse gas emissions (t/year)
 - target by 2015: 205042 t/y
 - Result by 2012: 17598 t/y
- Energy resources saved through energy efficiency (PJ/year)
 - Target by 2015: 2,9 PJ/y
 - Result by 2012: 0,14 PJ/y
- Electricity production based on renewable energy sources (GWh/year)
 - Target by 2015: 258,5 GWh/y
 - Result by 2012: 0,17 GWh/y
- The results are monitoring indicators generated from the EEOP databases. These results reveal the total numbers of EEOP 5.3.0 projects, not just SME's

Increase of the use of renewable energy sources



- **EEOP-2009-4.2.0 Meeting local heating and cooling needs with renewable energy sources**
- The aim of the call for proposals: promoting energy production based on renewables mainly in the SME sector
- Main purpose of the call for proposals:
 - to supply (fully or partially) the heat needed for productive purposes from renewable energy resources

Technologies promoted:

- solar panel systems
- solid biomass furnaces
- installation of heat pump systems

Total budget: EUR 85 million, for SMEs EUR 10,6 million was contracted

Total disbursement for SME's until 01/09/2013: EUR 45,6 million, for SMEs: EUR 8,6 million

2014-2020: NEW EEOP



- New Environment and Energy Efficiency OP (EEEOP): PLANNING PHASE
 - 1.0 version: definition of priority axes, strategic harmonisation, specific aims
 - Planned budget: HUF 1124 Bn/EUR 3859 million
 - Priorities:
 - Climate change
 - Water-utility investments (wastewater, drinking water)
 - Water protection, waste management, air quality, noise protection
 - Nature protection , habitat protection
 - **Use of renewable energy sources and development of energy efficiency**
 - **Financial instruments for energy (housing, public buildings)**
- NEW EDOP:** Facilitating innovation and research investments in enterprises, generating synergy between enterprises, R&D Centers and higher education

Thank you for your attention!