

# Showcase of Hungarian National Programmes

## **EDIOP Plus**

## **TSDOP Plus**

## **EEEOP Plus**

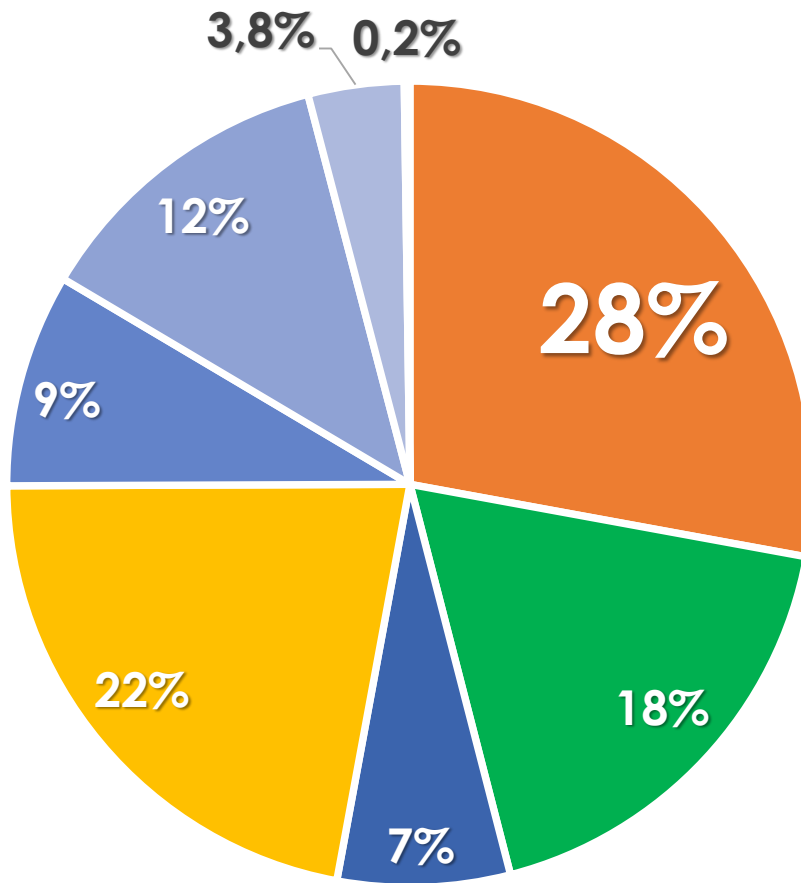
Alexandra Dora ARANY, MA for EEEOP

2022.07.13.

# Role of OPs

## Earmarked budgets of Hungarian OPs

### Planned percentage in MFF 2021-2027



- Economic Development and Innovation Operational Programme Plus (EDIOP Plus)
- Environmental and Energy-Efficiency Operational Programme Plus (EEEOP Plus)
- Integrated Transport Development Operational Programme Plus (ITOP Plus)
- Territorial and Settlement Development Operational Programme Plus (TOP Plus)
- Digital Renewal Operational Programme Plus (DROP Plus)
- Human Resources Development Operational Programme Plus (HDOP Plus)
- Implementation Operational Programme Plus (IOP Plus)
- Hungarian Fisheries Operational Programme Plus (HFAOP Plus)

# Supporting energy efficiency at **EDIOP PLUS**



## Planned priorities in EDIOP Plus

No dedicated priority for energy efficiency



**SME development**  
**2 375 m EUR**



**R&D&I**  
**2 052 m EUR**



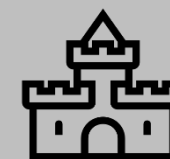
**Sustainable labour  
market**  
**707 m EUR**



**Youth guarantee**  
**526 m EUR**



**Higher education,  
vocational training**  
**473 m EUR**



**Tourism, cultural  
heritage**  
**399 m EUR**

# Energy efficiency, using renewable energy

appears as an eligible cost at some priorities



**SME  
development**

- **Dedicated call:** „Green National Champions” - Supporting the technological development of SMEs in the green economy
- **Eligible cost:** Energy efficiency, renewable energy appear as an eligible cost at technological modernisation at SMEs (max 40-50% of the eligible cost)
- **Advantage:** Serves as an advantage at evaluation (e.g. +10point)



**Tourism,  
cultural  
heritage**

- **Aim of the priority:** Cultural heritage (enhancing services of castles, fortresses); spa development
- **Obligatory part of each projects – complete energy modernisation of SPAs**

# Supporting energy efficiency at **TSDOP PLUS**



## **Planned priorities in TSDOP Plus**

No dedicated priority for energy efficiency

**Competitive  
County**

**Climate-  
Friendly  
County**

**Caring County**

**Infrastructure  
developments  
in Budapest**

**Human  
developments  
in Budapest**

# TSDOP PLUS Priority 2

TOP\_Plus-2.1.1-21

Improving energy efficiency of local government public buildings

## Supported main activities:

- Improving energy efficiency of **local government public buildings**
- Modernisation of **heating/cooling and hot water system**
- Improvement of in/outdoor **lighting conditions**
- **Renewable energy installation units** (solar collector, solar cells, heat-pump, boilers based on renewable energy)
- Energy efficiency upgrade on **public building of local healthcare facilities, schools, courthouse, etc.**
- **Smart metering and smart management** system installation
- Improving energy efficiency of **spas of local importance**



# TSDOP PLUS Priority 2

## Relevant aspects of EUSDR reflected in the related IT application management system (EPTK)

**A PROJEKT ILLESZKEDIK AZ EURÓPAI DUNA RÉGIÓ STRATÉGIÁHOZ?**

1. pillér, KK2, 1. fellépés: A tiszta biomassza, napenergia, földhőenergia, vízenergia és szélenergia fenntartható felhasználásának további lehetőségeinek vizsgálata, hogy ezzel erősítsük az energia-függetlenséget és támogassuk a többcélú határokon átnyúló megújuló energiafelhasználási projekteket. \*

Nincs kiválasztva

1. pillér, KK2, 2. fellépés: Az energiahatékonyság és a megújuló energia épületekben és fűtési rendszerekben való felhasználásnak ösztönzése, beleértve a távfűtést és a hűtési és kombinált hűtési és energiatermelő létesítményeket. \*

Igen

1. pillér, KK2, 4. fellépés: Az energiahatékonyság és költséghatékonyság javítása és az innovatív alacsony szén-dioxid kibocsátású technológiák támogatása, beleértve az intelligens megoldásokat, mindeközben szem előtt tartva a technológia semlegesség elvét. \*

Igen

2. pillér, KK6, 9. fellépés: Intézkedések foganatosítása a légszennyezettség fokozatos csökkentése érdekében, a minimálisan megvalósítandó cél a Levegőminőségi irányelvben előírt szennyező anyag határértékeknek való megfelelés. \*

Nem

### DOES THE PROJECT MEET FOLLOWING DRS ACTIONS?

#### Pillar 1: Connect the region, Project Area 2: Sustainable Energy

Developing clean biomass, solar, geothermal, hydropower, sustainable use of wind energy, energy independence and support the development of multi-purpose cross-border renewable energy projects. **Y/N**

#### Pillar 1: Connect the region, Project Area 2: Sustainable Energy

Promoting energy efficiency and use of renewable energy in buildings, combined heat and power systems including district heating and cooling. **Y/N**

#### Pillar 1: Connect the region, Project Area 2: Sustainable Energy

Improve energy efficiency and cost-effectiveness and promote the use of renewable energy sources and low-carbon technologies, including smart energy and energy efficiency solutions. **Y/N**

#### Pillar 2: Protecting the environment, Project Area 9: Biodiversity, landscapes, air and soil quality

Progressively reduce air pollution by minimum target to ensure compliance with the limit values set by the Air Quality Directive.” **Y/N**

# Supporting energy efficiency at **EEEOP PLUS**

# OVERVIEW OF EEEOP PLUS

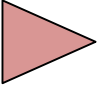
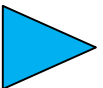
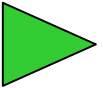
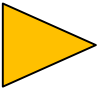
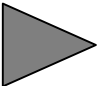
EEEOP 2014-2020

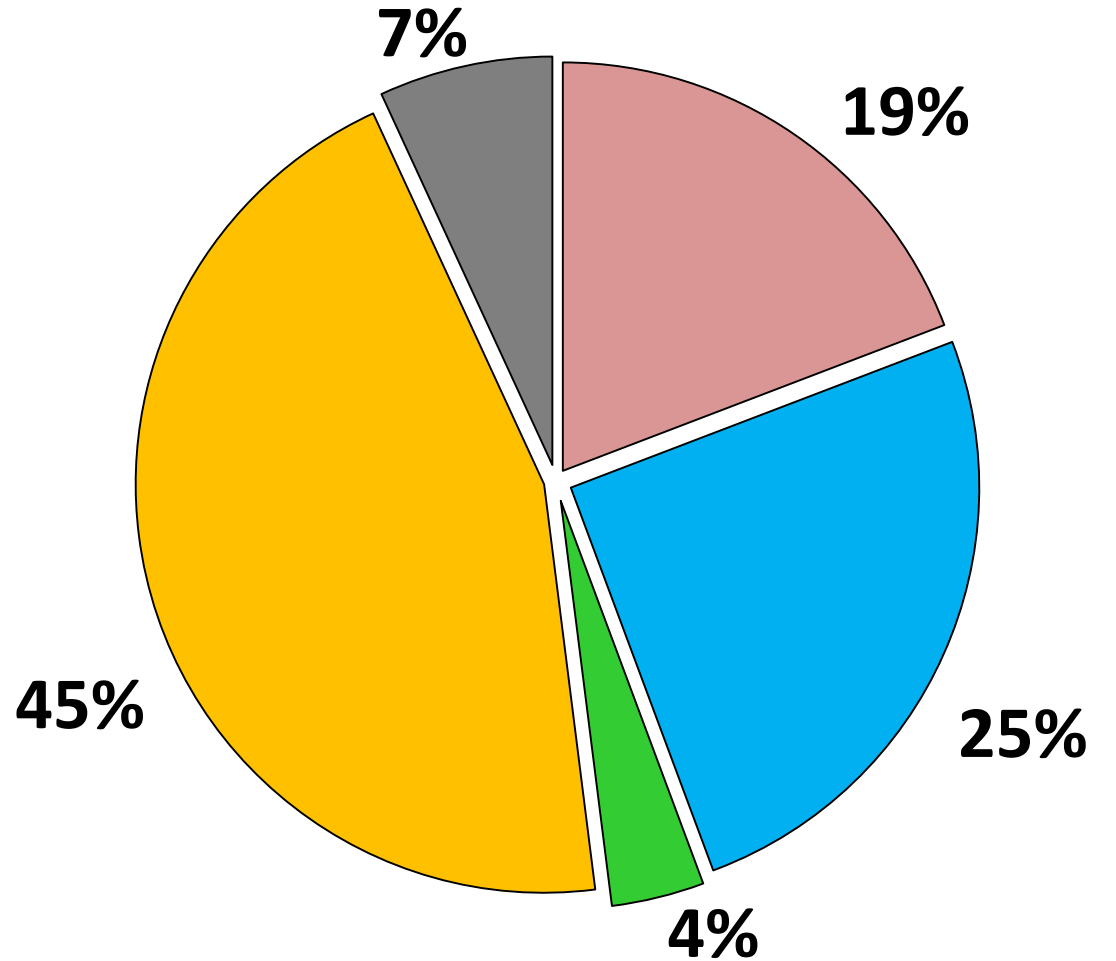
Priority	Intervention	Alloc. M EUR	Policy
1	Water-management	891	MoI
	Disaster management/Climate	154	
2	Drinking water	183	MIT
	Waste water	1031	
3	Waste management	300	MIT
	Remediation	100	MIT
4	Nature protection	100	MoA
5	Renewable energy	314	MIT
	Energy efficiency	600	
	District heating	106	
	Awareness raising	6	
TOTAL		3 785	

EEEOP Plus 2021-2027

Priority	Intervention	Alloc. M EUR	Policy
1	Water-management	700	MoI
	Disaster risk reduction	123	
2	Sustainable water-utility systems	748	MTI
	<b>Green and blue infrastructure</b>	191	
	Circular waste management	209	
	<b>Circular economy</b>	51	
3	Remediation/Environmental protection	46	MoA
	Nature protection	111	
4	Promoting energy efficiency measures	883	MTI
	Promoting renewable energy	535	
	<b>Smart energy systems, -networks and -storage</b>	518	
5	<b>Just Transition Fund</b>	295	MTI
TOTAL		4 197	

## EEEOP Plus priority axes

-  **1. priority (MoI) – HUF 307 Bn**  
Water management and disaster risk reduction
-  **2. priority (MTI) – HUF 412 Bn**  
Circular economic systems and sustainability
-  **3. priority (MoA) – HUF 59 Bn**  
Environmental and nature protection
-  **4. priority (MTI) – HUF 724 Bn**  
Renewing energy economy
-  **5. priority (MTI) – HUF 110 Bn**  
Just Transition Fund (JTF)



# Financing energy from EEEOP Plus

## EEEOP Plus PA4 – Renewable Energy Economy

**Total Budget (EU + National)**  
**EUR 1 936 M**

**SO2.1 Energy Efficiency**  
**EUR 883 M**

**SO2.2 Renewable Energy**  
**EUR 535 M**

**SO2.3 Smart Grid**  
**EUR 518 M**

- **Energy Efficiency** (in buildings: SMEs, public, residential)
- **Improving the efficiency of district heating and cooling systems** (RE-based) – see NRDIO, Energy Community [Call for Proposals](#)
- **Promoting RE** (electricity, heating and cooling)
- **Hydrogen production** on RE basis
- **Improving the grid**, improving flexibility, smart energy systems, storage,
- **Hydrogen for energy storage**
- Also important: **energy community, energy poverty**

# Energy related targets of EEEOP Plus

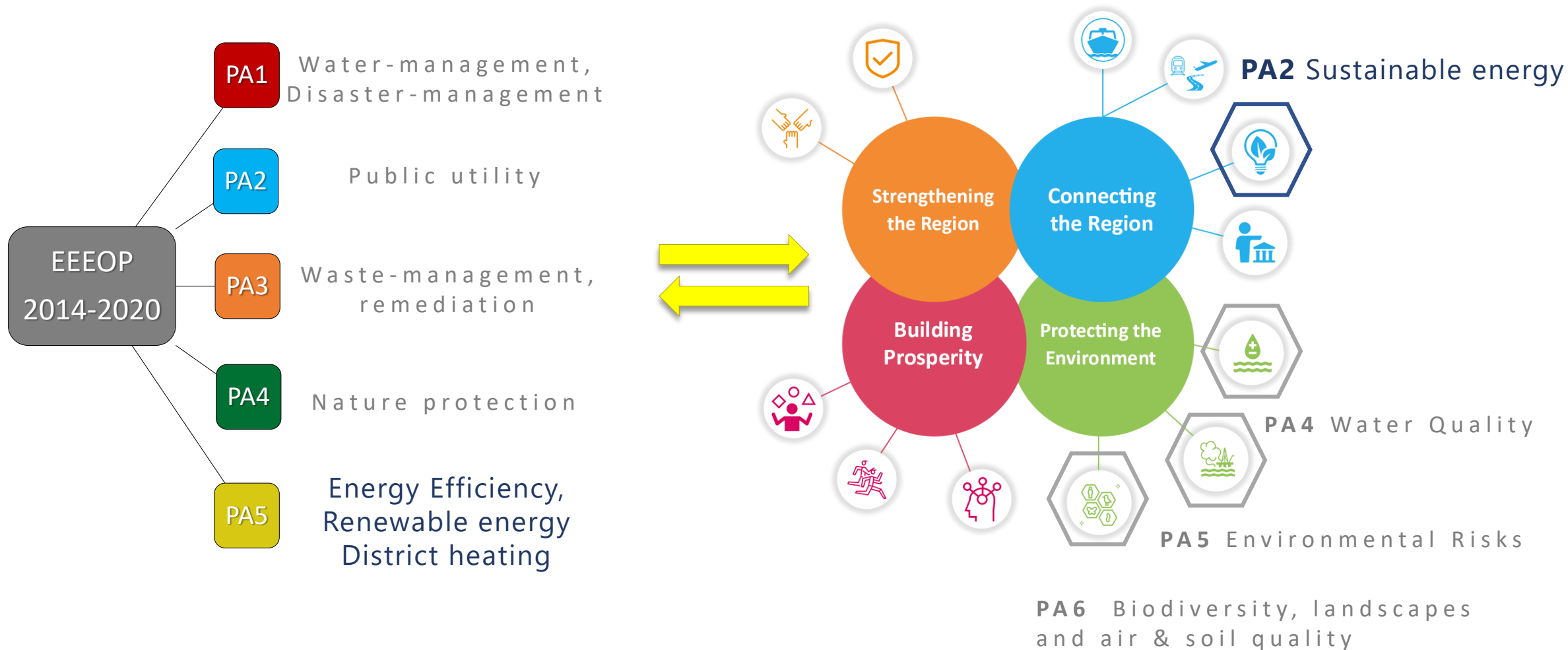
## EEEOP Plus PA4 – Renewable Energy Economy

	SO	Measure	Code	Indicator	MU	Milestone (2024)	Target (2029)
PA4	2.1	EE and awareness raising	RCO18	Dwellings with improved energy performance	pcs	4 500	27 000
			RCO19	Public buildings with improved-energy performance	m2	180 000	1 000 000
			RCO20	District heating network lines newly constructed and improved	km	15	100
	2.2	RE	RCO22	Additional production capacity for renewable energy (of which: electricity, thermal)	MW	82	860
	2.3	Smart Grid	RCO105	Solutions for electricity storage	MWh	20	2 200

	SO	Measure	Code	Indicator	MU	Baseline	Baseline year	Target (2029)
PA4	2.1	EE and awareness raising	RCR29	Estimated greenhouse gas emissions	t CO2 eq/year	209 000	2020	1
	2.2	RE	RCR31	Total renewable energy produced (of which: electricity, thermal)	MWh/year	0	2020	73 300
	2.3	Smart Grid	RCR33	Users connected to smart energy systems	fő	0	2020	1 438 801

# GOOD PRACTICE - EEEOP AND EUSDR

## CROSS-COMPLIANCE FOR REPORTING



# GOOD PRACTICE - EEEOP AND EUSDR

## CROSS-COMPLIANCE FOR REPORTING

- **Close cooperation** with the NC of EUSDR and PA coordinators and active participation in the Inter-Departmental Working Group meetings
- **DRS action plan reporting table:** at the beginning, basis for compliance was the 2010 Action Plan, then cross-compliance table was recalibrated in 2020
- **Amount of funding** per fund (ERDF, CF) of matching EEEOP projects have to be reported each year in AIR
- Continuing good practice in the next period: cross-compliance table **on the level of calls for proposals**
- Helping beneficiaries in reporting: **drop-down menu** on the basis of cross-compliance table
- EEEOP programmes were given as good practice examples by DG REGIO on 05/10/21 Embedding seminar

Category	Measure	ERDF	CF	Other
ERDF	Measure 1: Support for the development of the rural economy	100%	100%	100%
	Measure 2: Support for the development of the rural economy	100%	100%	100%
	Measure 3: Support for the development of the rural economy	100%	100%	100%
	Measure 4: Support for the development of the rural economy	100%	100%	100%
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EEEOP 2014-2020

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CF	Measure 1: Support for the development of the rural economy	100%	100%	100%
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EEEOP Plus 2021-2027



# Thank you for your attention!

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