



CENTRAL & EASTERN EUROPEAN  
ENERGY EFFICIENCY FORUM

13–16 JUNE 2018  
SEROCK, POLAND



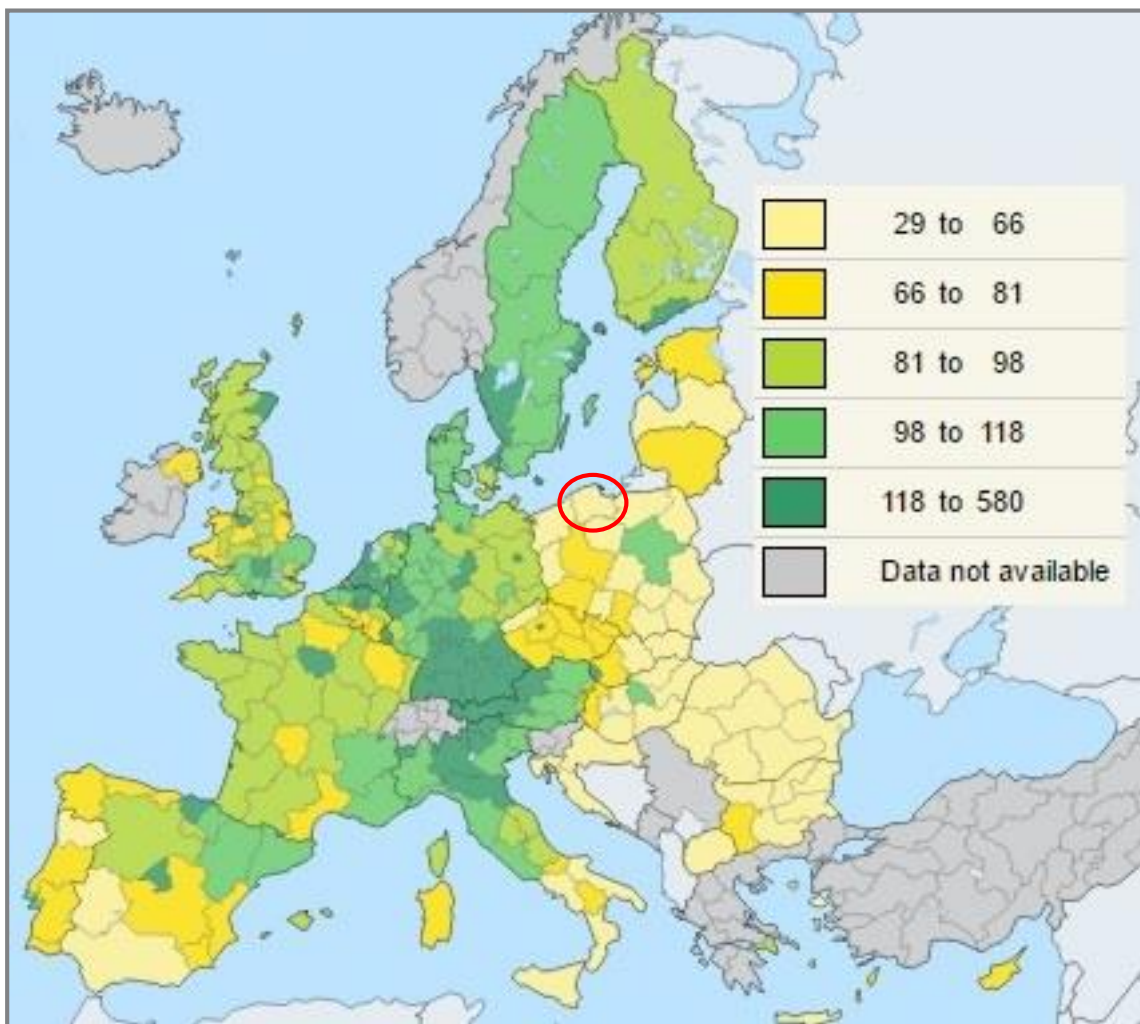
# A Regional Perspective on the EU finance for EE. Flows, channels and pools in Pomorskie



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# Pomorskie compared to the EU



GDP per capita in EU regions (EU-28=100), 2015

Indicator	Pomorskie (EU=100)	
	2005	Last available
GDP per capita (PPS)	50.2%	66% (2016)

Selected EUROPE 2020 objectives	2020 TARGET		CURRENT STATUS		
	EU-28	PL	EU-28	PL	Pomorskie
Employment rate (2016)	75%	71%	71.0%	69.3%	70.6%
R&D as % of GDP (2014)	3%	1.7%	2.03%	1.0%	1.12%
Renewable energy as % of total energy consumption (2015)	20%	15%	17.0%	11.3%	26.4%

Indicator	Pomorskie place in EU	
	2007 (for 268 regions)	2015 (for 276 regions)
GDP per capita, PPS EU=100	245	219
Employment rate (20-64)	234	164
Unemployment rate	216	114

*Challenge: Use the potential of available resources to improve energy security, use energy efficiently and reduce the environmental impacts of energy generation*

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**Problem: *is it a unique or a common thing?***

- a strong deficit in generation capacity → the region imports electricity
- high energy consumption slows down the economic growth
- a significant **potential for reducing demand for heat**, especially in public and residential buildings
- a significant **base for renewable energy generation** (wind, sun, biomass, biogas)
- the production of heat relies heavily on coal → low emissions, poor air quality and relatively high emissions of CO<sub>2</sub>

**Objective and expected outcomes:**

- more generation from RES, especially in **dispersed generation** (improved security)
- **improved energy efficiency**, especially in the public and residential buildings
- better air quality, fewer emissions from energy production
- a more efficient use of energy by the population and **a stronger prosumer attitude**

*Challenge: Use the potential of available resources to improve energy security, use energy efficiently and reduce the environmental impacts of energy generation*

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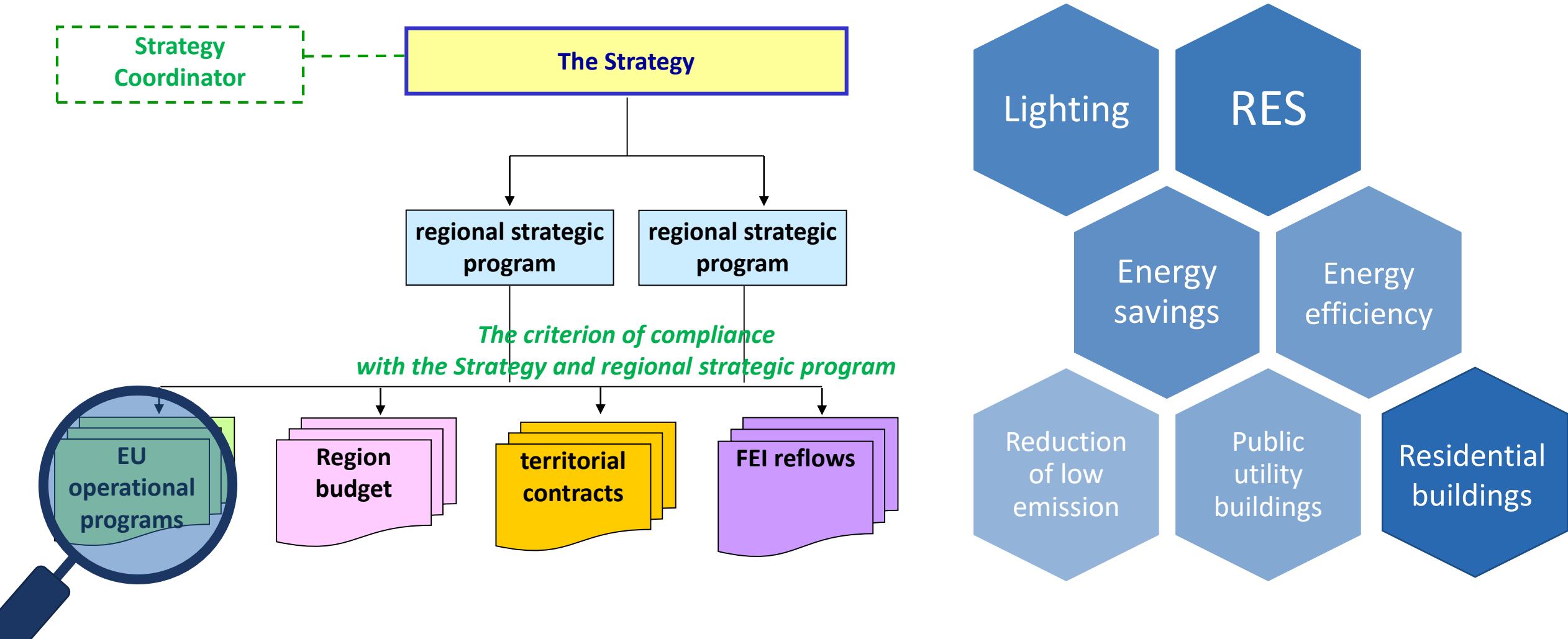
## 2007-2013

- 198 energy modernised buildings
- Energy savings of 45 000 MWh/year (retrofitting)
- 26 RES projects
- Power of 16,2 MW from newly installed RES installations

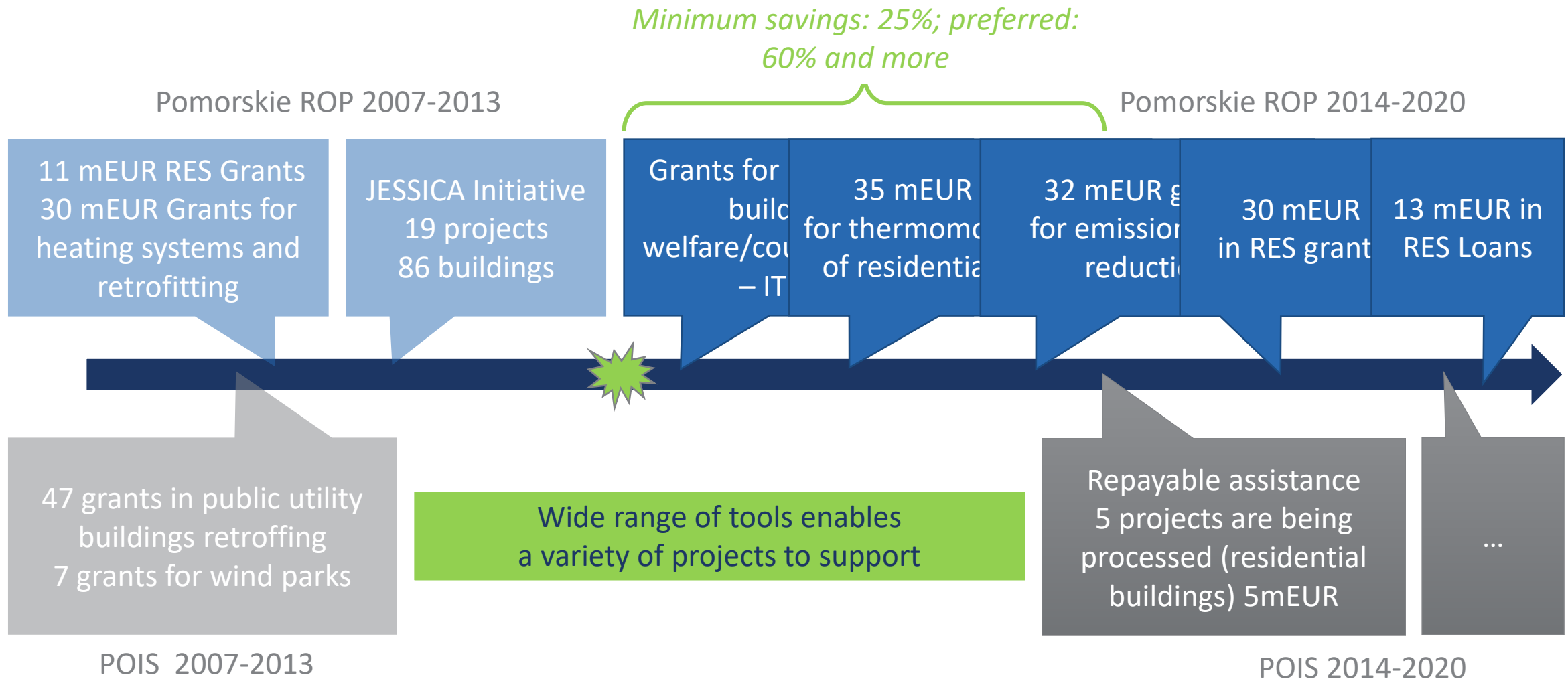
## 2014-2020 (est.)

- 500 energy modernised buildings
- Energy savings of 23 000 MWh/year (retrofitting [in public buildings](#))
- Up to 20 RES projects supported [solely through FI](#)
- Power of 60 MW from newly installed RES installations
- Change in share of renewable energy in final gross energy consumption from 14.8% in 2012 to 18% in 2023

# #1 we have built a system



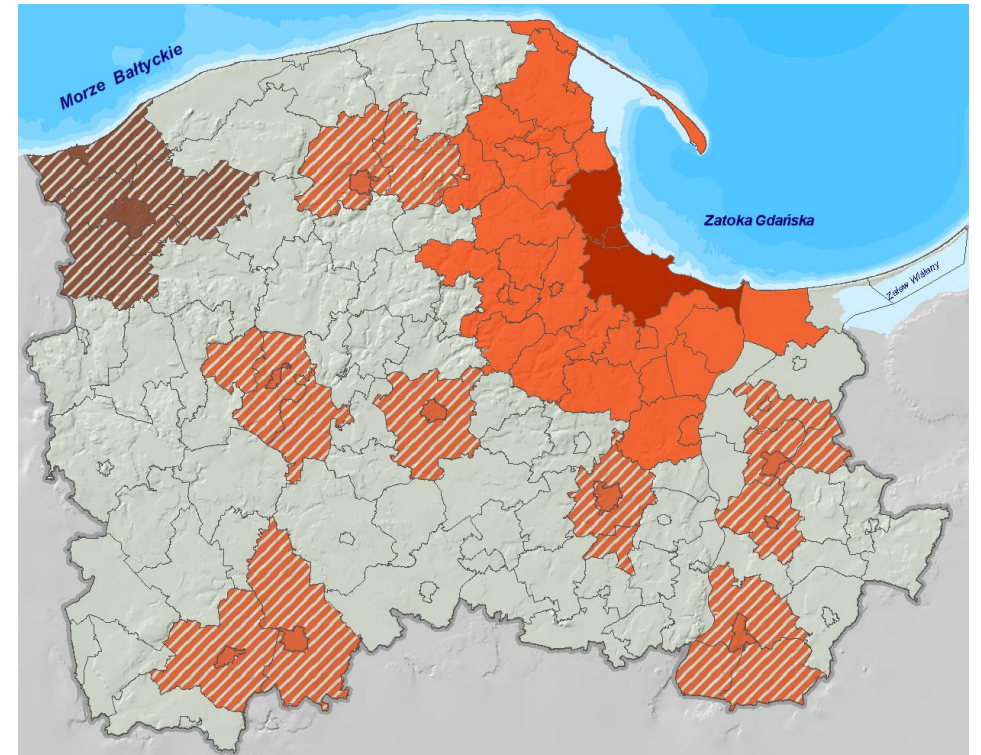
## #2 we keep it diverse



# #3 we have adopted an integrated approach

In the field of thermomodernisation:

- ▶ partner and bottom-up projects...
- ▶ packages/bundles/sets...
  - ▶ regional hospitals 2007-2013
  - ▶ strategic programme 2014-2020
- ▶ territorial approach...
  - ▶ ITI: implemented for the TriCity Metropolitan Area
  - ▶ ITA: to support urban functional areas



...are highly preferred

# regional strategic investment for EE



KARTA PRZEDSIĘWZIĘCIA STRATEGICZNEGO SWP  
pn. „Termomodernizacja obiektów Samorządu Województwa Pomorskiego”  
**STRATEGIC INVESTMENT**  
z dnia 05.05.2014

I. Informacje wprowadzające

Jednostka realizująca przedsięwzięcie	Urząd Marszałkowski Województwa Pomorskiego
RPS	w zakresie energetyki i środowiska Ekoefektywne Pomorze
Charakter przedsięwzięcia (zgodnie z „X”)	<input checked="" type="checkbox"/> projekt <input type="checkbox"/> grupa projektów <input type="checkbox"/> program
Typ przedsięwzięcia (zgodnie z „X”)	<input checked="" type="checkbox"/> inwestycyjny <input type="checkbox"/> nieinwestycyjny <input type="checkbox"/> mieszany
Lokalizacja przedsięwzięcia	<div><div><ul style="list-style-type: none"><li>- Powiat Miasto Gdańsk</li><li>- Powiat Miasto Gdynia</li><li>- Powiat Sopot</li><li>- Powiat wejherowski</li><li>- Powiat starogardzki</li><li>- Powiat malborski</li><li>- Powiat kościerski</li><li>- Powiat człuchowski</li><li>- Powiat bytowski</li><li>- Powiat chojnicki</li><li>- Powiat kartuski</li><li>- Powiat nowodworski</li><li>- Powiat starogardzki</li><li>- Powiat tczewski</li></ul></div><div><ul style="list-style-type: none"><li>- Gmina Słupsk</li><li>- Gmina Gdansk</li><li>- Gmina Gdynia</li><li>- Gmina Słupsk</li><li>- Gmina Ustka</li><li>- Gmina Wejherowo</li><li>- Gmina Starogard Gdański</li><li>- Gmina Strzeżewo</li><li>- Gmina Nowa Karczma</li><li>- Gmina Kościerzyna</li><li>- Gmina Człuchów</li><li>- Gmina Bytów</li><li>- Gmina Tczew</li><li>- Gmina Chojnice</li><li>- Gmina Kartus</li><li>- Gmina Stegna</li><li>- Gmina Sztum</li><li>- Gmina Kwidzyn</li></ul></div></div>

**18 communes  
in 14 poviats**



- I (mostly) education facilities
- II culture facilities
- III health care buildings



**European  
Funds**  
Regional Programme



- app. 12 mEUR
- 60 buildings
- average energy savings per building: up to 52%!

Pomorskie Voivodship  
Regional Operational Programme  
for 2014-2020

# *integrated territorial investments and areas*

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## **ITI (14% of ROP)**

*Comprehensive energy retrofitting/  
energy upgrades of public utility buildings  
owned by local government entities*

- 40 projects within the package
- 62 mEUR
- 230 buildings thermomodernised
- reduction of greenhouse gas emission by 26 500 t of CO<sub>2</sub> equivalent p.a.
- 70 km new-built or modernised heating network

## **ITAs**

*Energy-related projects  
(retrofitting, energy efficient lightning,  
heating network modernisation)*

- 18 projects with total value of 81 mEUR
- agreed in 8 urban functional areas

*head start*

# #4 we put special focus on RES

## ► Financial Instruments

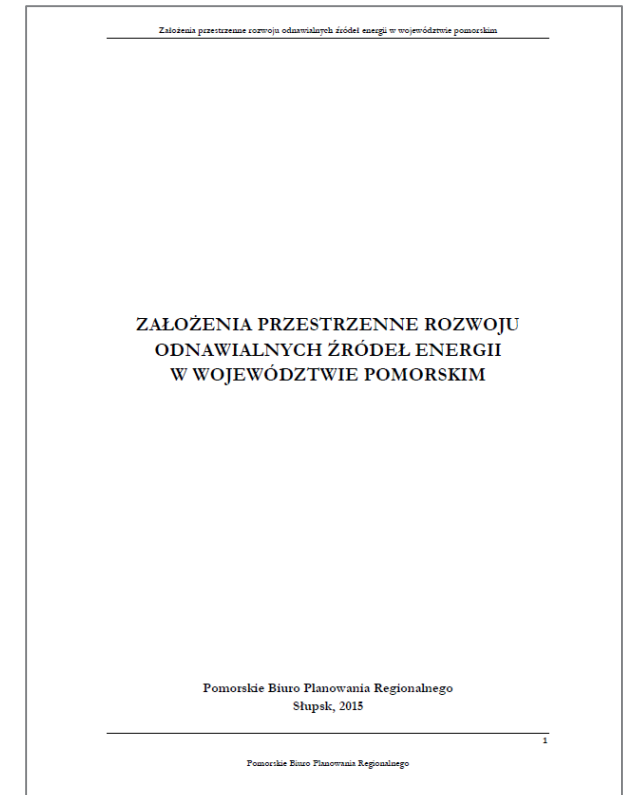
### ► RES loan

Estimated number of final recipients	10-20
Value of loan	up to 1,2 mEUR
Lending period	up to 3 years
Maturity	up to 20 years

## ► Grants

- 244 projects in the process assessment and appraisal process
- Total value of submitted applications: 150 mEUR,
- ERDF in submitted projects: 100 mEUR ↔ allocation: 30 mEUR

Estimated number of beneficiaries	
Value of grant	up to 2,5 m EUR



# #5 we pool our own resources

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- non-profit, est. in November 2015
- fully owned  
by the Pomorskie regional authorities
- purpose:
  - to manage the regional funds for SMEs, urban projects  
and **operations for energy efficiency and use of renewable energy in buildings,  
including in existing housing** in Pomorskie by facilitating the access to finance
  - “wholesaler” cooperating with financial intermediaries
- current funding:  
originating from the *Pomorskie Regional Operational Program for 2007-2013*  
= financial engineering instruments reflows
- money pool as of now: **85 mEUR and growing (app. 300 mEUR in 2023)**



Pomeranian  
Development  
Fund Sp. z o.o.

# 2021-2027 Pomorskie is ready to...

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- keep the energy-related issues as a priority course of action
  - renewable energies, energy efficiency, in particular in the housing sector
  - Pomorskie calls for additional efforts to achieve a shift to clean energy sources, including renewables, and more energy efficient economy, including low-emission transport
- envisage as many mechanisms of support as possible in order to cover all type of needs and preference
- apply territorial approach in greater scale
  - plays fundamental role in the structure of Pomorskie strategic planning
  - Pomorskie stands for mandatory continuation of territorial approach in cohesion policy after 2020
  - selection of territorial instruments should be made by regions which are responsible for development policy on the spot
- use the European Funds to set up modern sustainable system flexible enough to fit the region's needs for years to come rather than a drip „here and now”



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# Thank you!

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