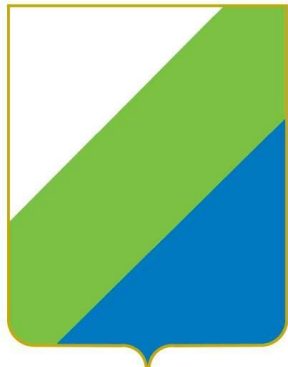**Covenant of Mayors Investment Forum – Energy Efficiency Finance Market Place**
Renovation Wave: Boosting investments in Home Renovation

June, 16th 2021 - 11:00

TIGER
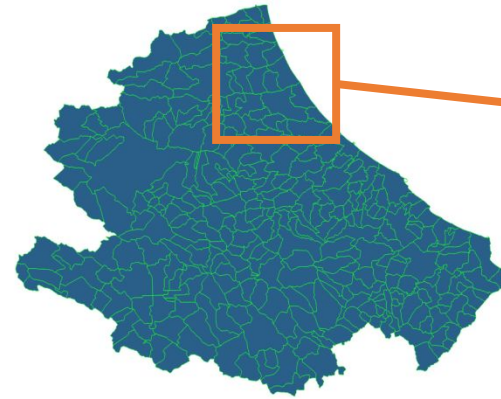## TRIGGERED INVESTMENTS IN GROUPING OF BUILDINGS FOR ENERGY RENOVATION
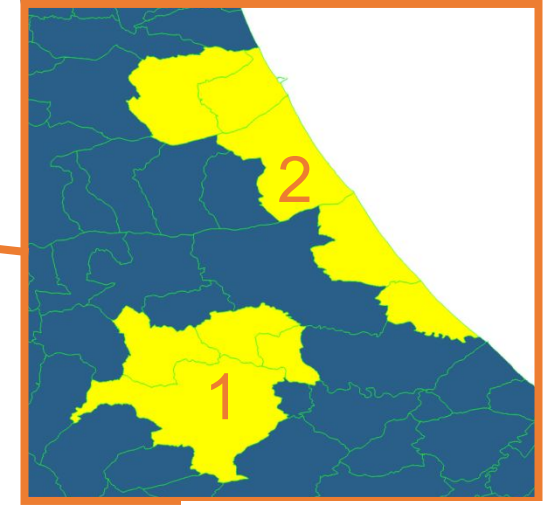
ABRUZZO REGION

Danilo Di Pietro (AGENA)

Abruzzo Region for Covenant of Mayors

ADHESION AND APPROVAL OF 100% OF MUNICIPALITIES SEAPs

3 TARGET AREAS FOR JOINT SECAP (Project)

2 target areas are coordinated by Abruzzo Region

-20% CO$_2$ by 2020

-40% CO$_2$ by 2030   Adapt

Adapt

Setting new commitments

Priority action in the EU Action Plan for Energy Efficiency

Launch of the Covenant of Mayors

Launch of Mayors Adapt

| 2006 | 2008 | 2012 | 2014 | 2015 | 2019 |

PARIDE Project JOINT ACTION for 33 municipalities (PDA project)

TIGER Project JOINT ACTION for all municipalities (PDA project)

TIGER

Horizon 2020 project (call-EE-20-2020: "*Project development assistance for innovative bankable and aggregated sustainable energy investment schemes and projects*"

REGIONE ABRUZZO	**Regione Abbruzzo**	**Management**
🏠	5 ATERs of Abruzzo Region	**Refurbishment of apartments**
AGENA	AGENA: Energy and Environment agency of the province of Teramo	**Financial scheme**
a	AESS: Agency for Energy and Sustainable Development of Modena	**Financial scheme**
AISFOR	AISFOR	**Communication / Training / Energy poverty**
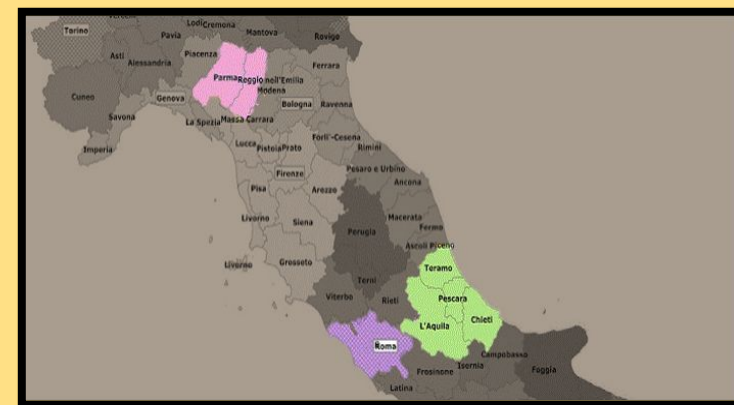
TIGER aims to ….

Tiger and Lemon….Similar Objectives

- Set-up **an innovative financial model, based on Energy Performance Contracting (EPC);**

- **Combine a series of financial tools available at National and Regional level**
  - ROP ERDF funds;
  - National incentives (i.e Thermal account) and tax deductions (i.e. Ecobonus and Superbonus);
  - soft loans;

- **Support social housing agencies (5 ATERs) for energy retrofitting of their buildings** in Abruzzo Region;

- **Refurbishment of 1529 dwellings;**

- Expected **investments of 16.431.092€;**

- **Reduction** of buildings **energy consumption higher than 33%;**

- **Empowerment of 20.000 consumers;**

- **Reduction of primary energy consumption** over than **8,7 GWh/year** and **749,7toe/year;**

- **Reduction of CO_2 emissions by 1.760,3 tonnes/year.**

Tiger and Lemon ... Similar Barriers

Administrative Barriers
- Higher for TIGER if we consider that there are 5 ATERs and a bigger number of dwellings

Financial Barriers
- Higher for TIGER if we consider that it's a warmer Region

ESCOs Barriers
- Difficulties due to the refurbishment of buildings in isolated mountain area (logistic problems) or close to the coast area (warmer area with higher Pay Back Period)

Bank Barriers
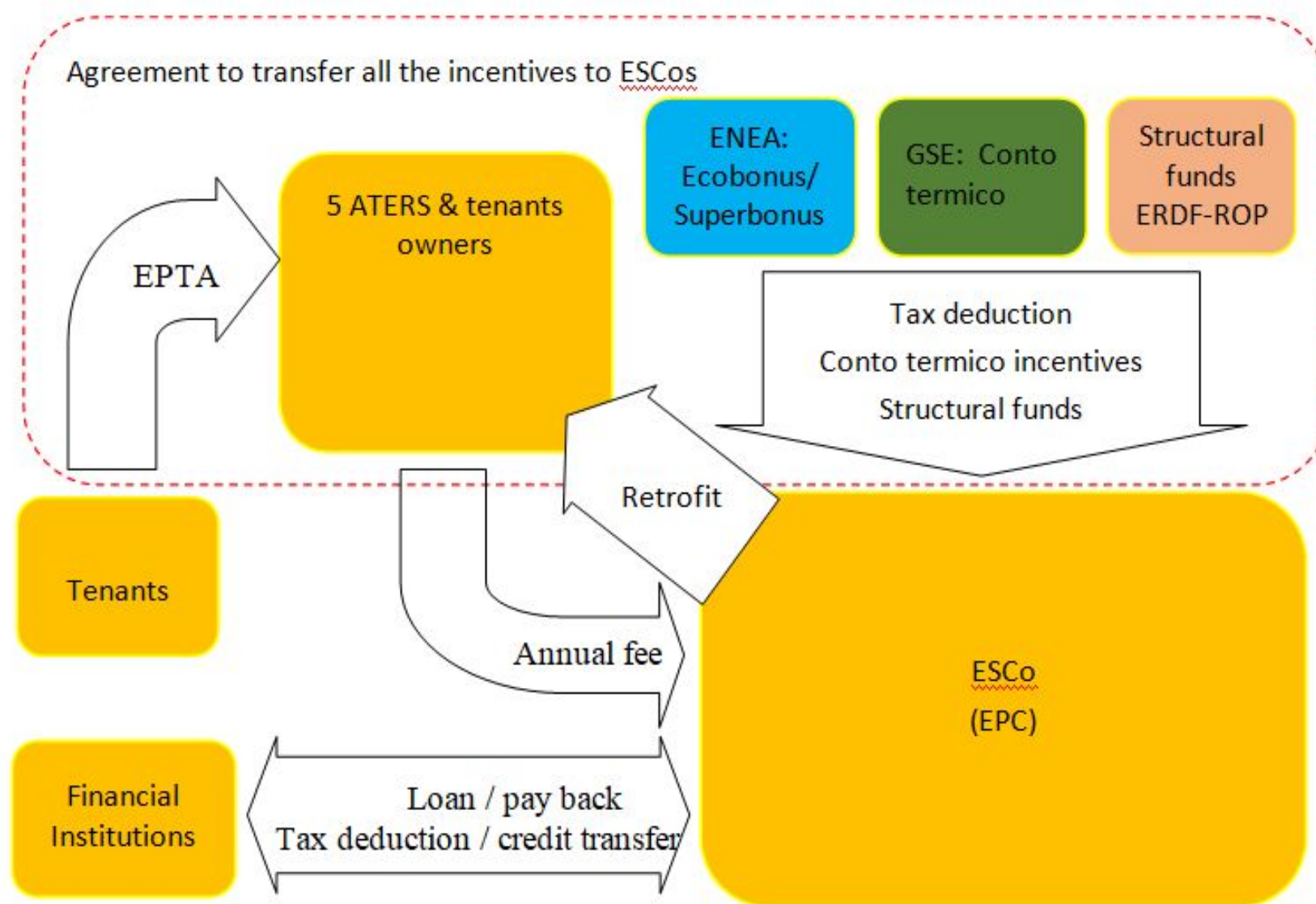- Similar in both projects

LEMON - best practice for TIGER

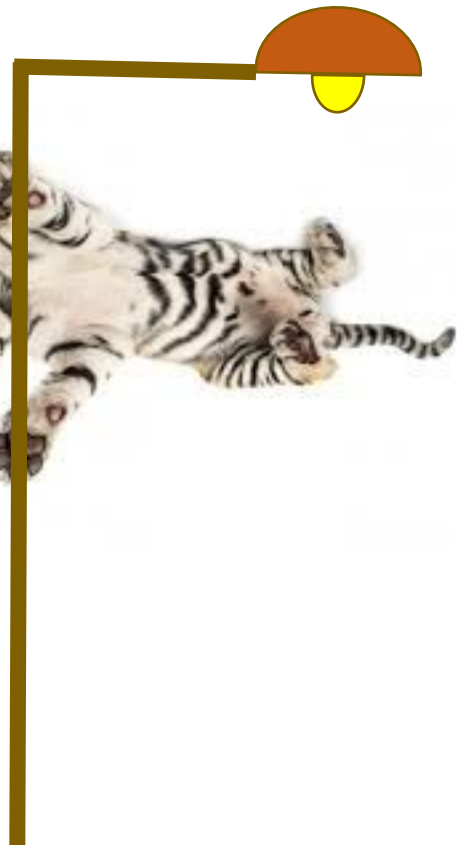**AESS** common partner of **Tiger** and **Lemon**

In **Tiger** AESS **-** with experience of **Lemon -** will support ABRUZZO Region to:

overcome barriers,

   define the tender specifications, especially regarding the financial model to be adopted.

TIGER FINANCIAL SCHEME

BEST PRACTICE: PARIDE

PARIDE project (MLEI, ex PDA project)
AGENA common partner of **TIGER** and **PARIDE**
AGENA managed **Energy audit of public lighting** for the refurbishment of almost 60.000 lighting points in 32 municipalities, with an investment of 25M€ in energy efficiency

TIGER - **Successful methodology and management of energy audits** (like in **PARIDE**)

In TIGER, **AGENA** supports Abruzzo Region and 5 ATERs for the **definition of energy audits** of 1529 dwellings in 126 buildings of 58 municipalities in Abruzzo Region

BEST PRACTICES: <u>ASSIST</u>

ASSIST project (H2020 CSA on energy poverty)
AISFOR common partner of **Tiger** and ASSIST

AISFOR trained on energy poverty operators working on the ground in different contexts to provide advice to energy poor / vulnerable consumers (Household Energy Advisors - HEAs).

TIGER - **Successful engagement and training of operators and householders** (like in ASSIST)

In TIGER, **AISFOR** supports ATERs in training operators on domestic energy consumption and specifically on energy poverty and to address and engage householders in the refurbishment process

TIGER and support for Energy Poverty in COVID period
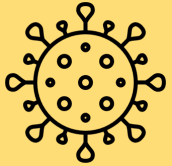
The COVID-19 crisis has exacerbated energy poverty - deepening pre-existing inequalities and gender inequalities. The lockdown has in fact obliged people to stay home increasing their need for energy services for cooking, running electronic appliances, heating and cooling. Furthermore, while in lockdown, the dwelling and household characteristics matter even more

The TIGER proposal fits perfectly within EU energy (and social) policies and following the COVID-19 crisis is even more necessary to address misfit housing and increase the quality of life.

TIGER - empower 20.000 consumers

TIGER and the support for vulnerable people

- **Building tenants play a key role**: in charge of proper management of their housing units;

- Tenants will be involved through **small workshops**, **interview** and **social media**;

- Tenants will be involved through workshop, meetings and **training** to provide tips and solutions to control and contain energy consumption and to ensure proper management of their homes.

Engagement and consensus of householders

Provide operators with needed competencies and skills to properly communicate with householders in an easy-to-understand and not technical language

Carry out informative and support activities addressing specifically householders

Activate and promote peer-to-peer mechanism amongst consumers to illustrate investment and build consensus

Deliver training – informative activities addressing both operators and consumers

TIGER: future replicability

Building a **model for future replication** and **take-up**:

1. Organize workshops and participatory activities with all stakeholders directly and indirectly involved in the process to discuss the mechanism

2. Draft guidelines and operative plans for the take-up of the TIGER model for the refurbishment of social housing using ESCO mechanisms combined with other funding schemes.

TIGER: next/first steps

LET'S WORK TOGHETER TO DISSEMINATE RESULTS!!

LET'S IMPROVE A PEER-PEER EXCHANGE: CONTACT US FOR COOPERATION!!

- START: 1ST OF JUNE

- DURATION: 36 MONTHS

- FOLLOW US ON ….

THANK YOU FOR YOUR ATTENTION

TIGER
TRIGGERED INVESTMENTS IN GROUPING OF BUILDINGS FOR ENERGY RENOVATION

ABRUZZO REGION

Danilo Di Pietro (AGENA)

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