



### Driving Investments in Energy Efficiency with Energy Savings Insurance model

### EU Smart City Marketplace

### Action Cluster meeting Business Models & Finance

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### About BASE



BASE is a Swiss not-for-profit foundation and a Specialized Partner of UN Environment.



# BASE

Driving investment in climate solutions We develop innovative, actionable financial strategies and marketdriven solutions to unlock investment in sustainable energies and to tackle climate change. About ESI model

In a nutshell:

#### The ESI model was desgined to mobilise investments in EE (by SMEs) by creating trust in the future energy savings through a combination of financial (insurance and financing) and non-financial (standardised contract with guaranteed savings and independent technical validation) mechanisms.

The ESI Europe project has received funding from the European Union's Horizon 2020 research and innovation programme to roll out the successful ESI Model developed in Latin America in Italy, Portugal and Spain (expanding to Croatia, Greece and Slovakia with ESI Europe 2.0).





## About ESI Europe Project



**GOAL:** Development of the Energy Savings Insurance (ESI) Model in Italy, Portugal, and Spain

The expected outputs:

Setting up the mechanisms of the model, and capacity building of market stakeholders

Mobilising **private investments** in energy efficiency, with special attention to Small and Medium sized Enterprises (SMEs)

Development of marketing material (GoSafe with ESI brand), a Management Information System (MIS) an dissemination material for fruther replication



# How it works



#### **1. PREPARATION PHASE**

An energy efficiency technology provider offers a project with guaranteed energy savings.





### 2. CONTRACT ACTIVATION

A a third-party validation entity evaluates the project's energy savings.

The insurance company covers the validated energy savings, and the contract is activated.

#### 3. IMPLEMENTATION PHASE

The technology provider installs the energy efficient equipment, and the validation entity validates on-site it is according to the contract.



## How it works





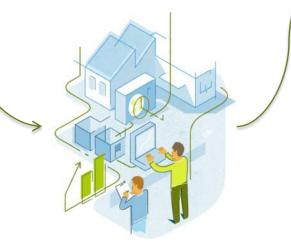
#### 4. OPERATION PHASE

The operation of the new equipment results in reduced energy costs and improved productivity.

Maintenance services by the technology provider ensures that the equipment is operating optimally.

#### 5. SAVINGS MONITORING

The energy savings are measured and reported by the technology provider via a simple online system where they are checked and can be approved.





#### 6. INSURANCE COVERAGE

In case of disagreements on the savings achieved, the validation entity steps in as an arbiter.

If the savings are not achieved, and the technology provider is not able to respond, the insurance covers the <sup>5</sup> quaranteed savings. Online Platform

A functional interface developed to facilitate the workflow and information access of the different key actors of the energy efficiency project.

The main characteristics are:

DEVELOPED IN BLOCKCHAIN

Increased transparency, trust, traceability and reliability of information

#### PROJECT PROCESS

It registers information and actions of the project: proposal validation, contract activation, installation validation and monitoring reports

#### TAILORED ACCESS

Accessed by TPs, Clients, Validation Entity, Insurance companies and Financial Institutions Future application and developments possible:

- Linking with monitoring system and energy measurement
- Energy savings and emission reduction reporting systems (alignment with ESG and EU Taxonomy)

Smart contract for the guarantee mechanism





## **THANK YOU!**

### www.gosafe-esi.com



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Programme coordinator:





National coordinator in Italy, Portugal and Spain:

