

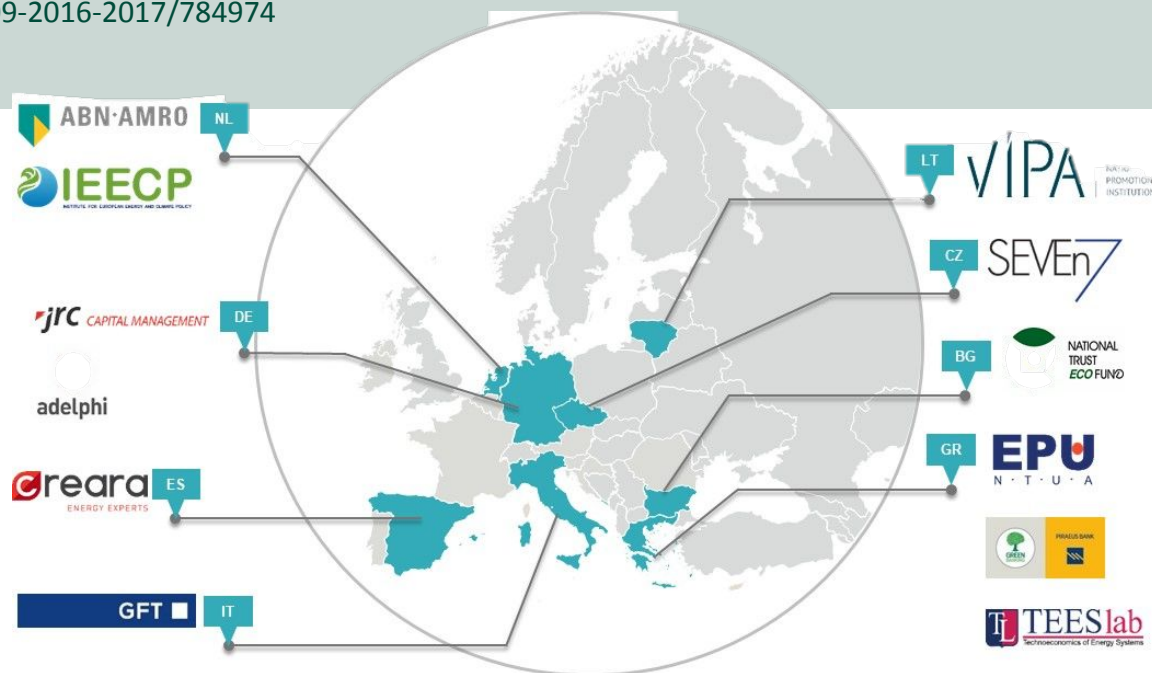
# *Enhancing at an Early Stage the Investment Value Chain of Energy Efficiency Projects*



**Philip Mexis**

# GENERAL INFO

<b>Title:</b>	Enhancing at an Early Stage the Investment Value Chain of Energy Efficiency Projects
<b>Funding:</b>	European Union's Horizon 2020 Research and Innovation Programme-H2020-EU.3.3.7. H2020-EU.3.3.1.
<b>Started:</b>	September 2019
<b>Duration:</b>	33 Months
<b>Coordinator:</b>	National Technical University of Athens (NTUA) - Greece Prof. John Psarras
<b>Participants:</b>	12
<b>Budget:</b>	1.486.196,25€
<b>Contract No:</b>	H2020-EE-09-2016-2017/784974
<b>Grant agreement ID</b>	846569

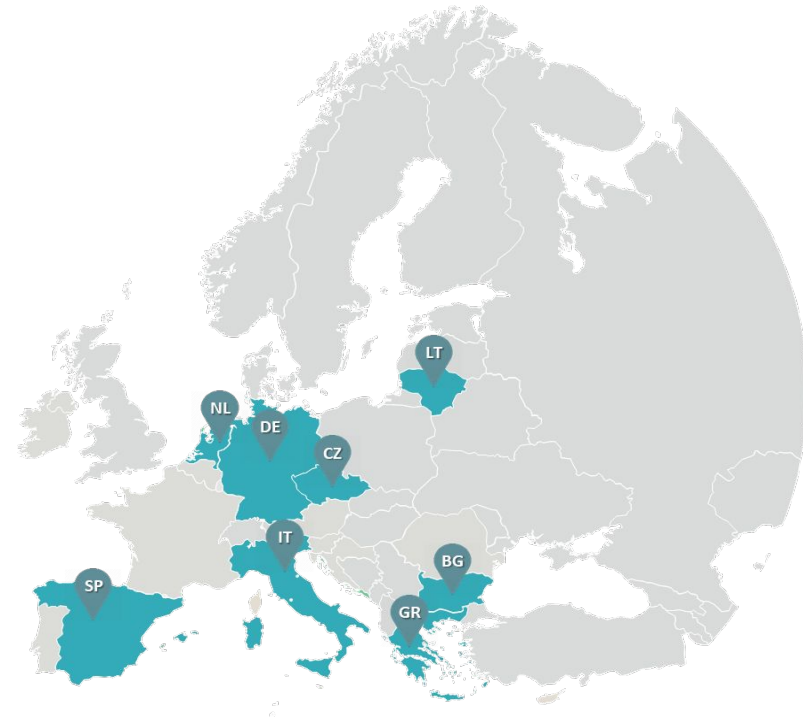


# CONTRIBUTION

## How EE financing becomes mainstream?

Triple-A scope is to:

- ❖ **Promote** investments that have a strong capacity to **meet their commitments**, at an early stage.
- ❖ **Identify** the Triple-A investments, **fostering sustainable growth**.
- ❖ **Reduce** the respective time and effort required at the crucial phase of the investments conceptualization.
- ❖ **Increase** transparency and efficiency of respective decision making.
- ❖ **Make** energy efficiency investments more attractive for investors / financiers and project developers.



# THE TRIPLE-A APPROACH



Practical result-oriented approach, seeking to answer three questions:

How to **assess** the financing instruments and risks an early stage?  
Assess

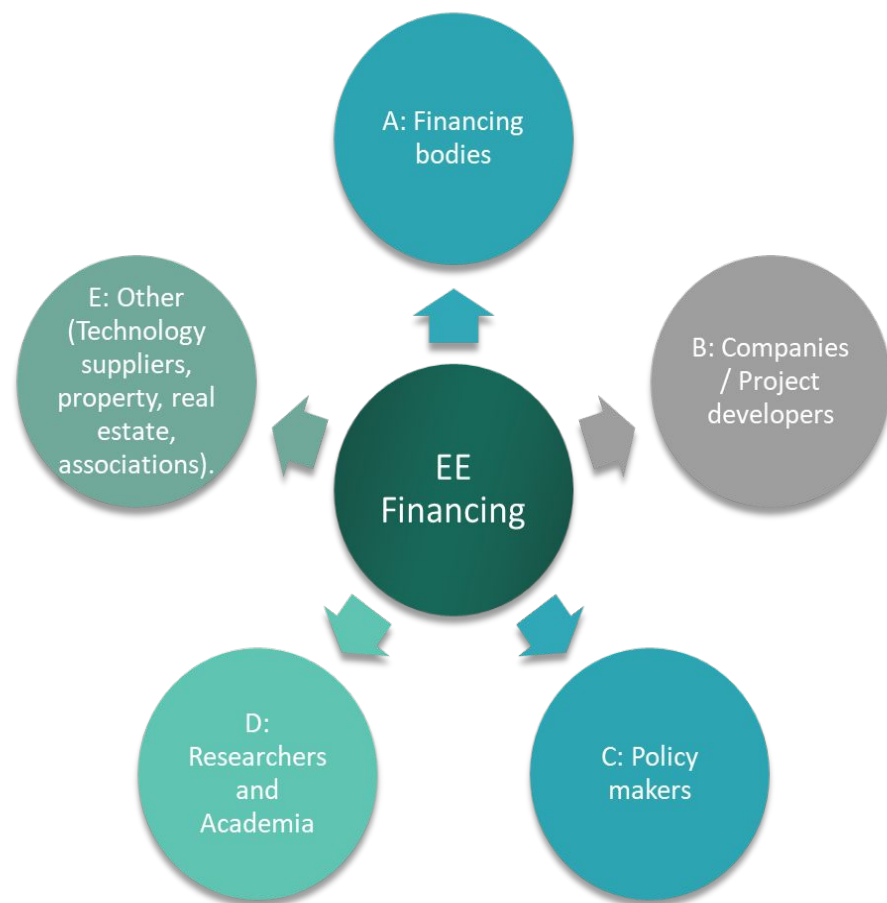
How to **agree** on the Triple-A investments, based on selected key performance indicators?  
Agree

How to **assign** the identified investment ideas with possible financing schemes?  
Assign

Triple-A methodology and tools offer:

- ❖ Standardised process for the identification of **attractive “Triple-A” project ideas** which merit attention by the funding organizations (bankers, funds and other financing institutions).
- ❖ **Funding strategies** (Green Loans & Mortgages, Green Bonds and Energy Efficiency Auctions) & **portfolio of EE projects** that better match with the needs of respective beneficiaries.
- ❖ Consultation process to engage national stakeholders, enable the **development, implementation, testing** and **exploitation** of the proposed Triple-A innovative scheme for energy efficiency financing.

# TRIPLE-A STAKEHOLDER ENGAGEMENT



Activity	Status	Target Groups
Bilateral & multilateral consultation	723 stakeholders identified 123 bilateral meetings with 161 participants. 8 Triple-A Advisory Board Members – 39 bilateral meetings	A, B & C
Capacity Building Webinars & Regional Training workshops	Organisation of 9 Capacity Building Webinars and 8 Regional Training Workshops in the 8 case study	A, B & C
Standardised Tools & benchmarks	1243 visitors of the Triple-A Tools; 170 stakeholders signed up to the Triple-A Tools. 715 visitors of the Web-based Database	A, B & C
Online Questionnaires	228 responses in 5 Triple-A Questionnaires.	A, B, C, D & E
Lessons learnt & policy recommendations	Synthesis paper for each of the 8 case study countrie	A, B & C
Dissemination activities to raise awareness	17,000 website users; 500 recipients of the Newsletters; 898 social media followers	A, B, C, D & E

# STANDARDISED TRIPLE-A TOOLS

Key elements to pave the way for identifying and financing Triple-A investments and materialize the Triple-A approach



ASSESS

- ◆ **Risks** and **maturity** of investments Evaluation.
- ◆ **EU Taxonomy compliance:** Comprehensive analysis of EU Taxonomy eligibility criteria presented to investors.
- ◆ **170** EE financially attractive **projects** collected.



AGREE

- ◆ **Benchmarking** of investment ideas based on **Financial**, **Risk** and **SDG** indicators.
- ◆ Electre-Tri **Multicriteria** Decision Analysis.
- ◆ **Categorisation** of projects into 3 Classes (Triple-A, Reserved, Rejected).
- ◆ **More than 50 Triple-A** EE projects.



ASSIGN

- ◆ **Requests** for Green Loans, Mortgages, Green Bonds & Energy Efficiency Auctions.
- ◆ **Matchmaking** between bankable EE projects and financing schemes.
- ◆ **Pathways** to achieve project delivery (contracts, underwriting procedures, etc.).
- ◆ Elaboration of almost **40 Project Fiches**.
- ◆ Submission of promising energy efficiency projects to related **European platforms** for strategic investments.

[toolbox.aaa-h2020.eu/aaa-h2020.eu/tools](https://toolbox.aaa-h2020.eu/aaa-h2020.eu/tools)



Buildings



Manufacturing



Transport



District Energy  
Networks



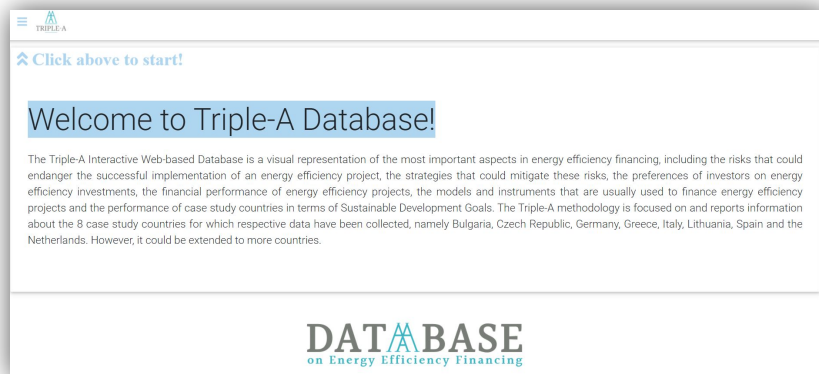
Outdoor  
Lighting

# DATABASE ON EE FINANCING

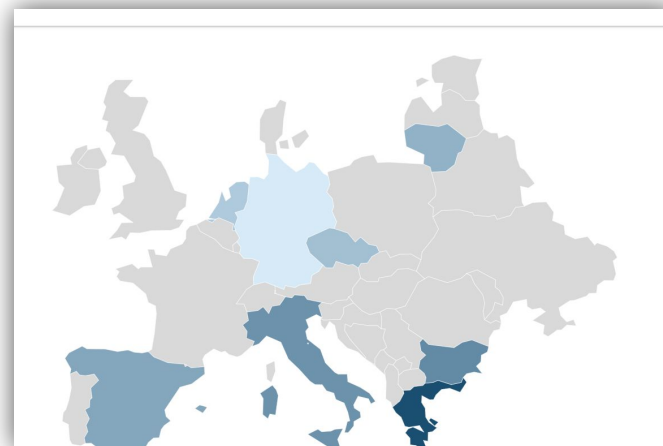
## DATABASE on Energy Efficiency Financing

Data on critical **aspects** of EE financing:

- ❖ Implementation **risks** of EE projects.
- ❖ Risk **mitigation strategies** (more than 15).
- ❖ **Preferences** of investors on EE investments.
- ❖ **Financial performance** of successfully implemented EE projects.
- ❖ Financing **models** and **instruments**.
- ❖ Necessity of boosting EE per case study country and sector based on **SDG indices**.



[www.database.aaa-h2020.eu](http://www.database.aaa-h2020.eu)  
[www.aaa-h2020.eu/database](http://www.aaa-h2020.eu/database)



- ❖ Data about the **8** Triple-A case study countries.
- ❖ **Updated content** on a regular basis.
- ❖ **Bottom-up procedure**, incorporating data from stakeholder consultation.
- ❖ **715** Database users until now.



# TRIPLE-A IN NUMBERS...



- ❖ **170** Energy Efficiency project ideas collected for evaluation through the Tools.
- ❖ **723** stakeholders identified **123** bilateral meetings with **161** participants.
- ❖ More than **170** stakeholders signed up and tested the Triple-A Tools.
- ❖ Synergies with **53** relevant H2020 EU projects and relevant institutions.
- ❖ **5** Triple-A Questionnaires with **228** responses.
- ❖ **23** scientific publications in conferences and/or published in journals.
- ❖ **27** Non-scientific and non-peer-reviewed publications (popularised publications, articles, blogs, etc.)
- ❖ **29** Triple-A Newsletters and Press Releases distributed to almost **700** subscribers; Promotion of Triple-A through 22 non-consortium Newsletters (e.g. IEECP, INZEB, EENVEST, NOVICE, ICCEE, DEESME, SPEEDIER, etc.)
- ❖ Organisation of **21** Triple-A events and Participation in **78** workshops / events / webinars on energy efficiency financing.
- ❖ Almost **129** Dissemination and Communication materials (banners, templates, QR codes, brochures, flyers, leaflets, factsheets, infographics, videos, etc.).



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## Thank you!

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