



Results of the EEnvest Project

Final event - 29th June 2022

Cécile BARRERE, R2M - Project Exploitation Manager



EE Finance Sector

Current main concern

→ Mainstream Energy Efficiency Investment in the private sector?

What to do to make EEI more attractive?



REDUCE COMPLEXITY AND RISK PROFILE OF EEI



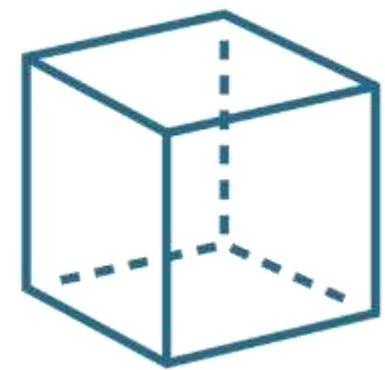
CONCRETE TOOLS AND METHODOLOGIES TO ASSESS EEI FULL IMPACT



INTEGRATE NON-ENERGY BENEFITS

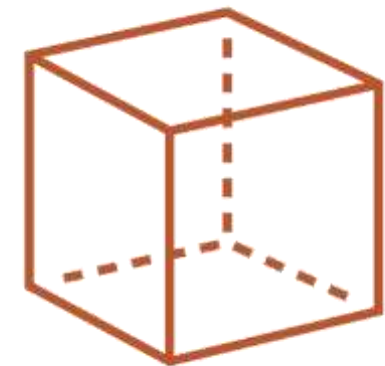


EEnvest Main Project Results



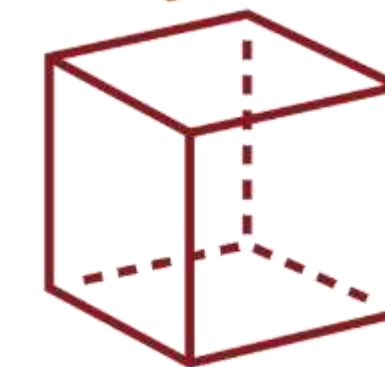
1-Technical-financial performance analysis (SINLOC - Gabriele Fregonese)

Value = De-risking tool



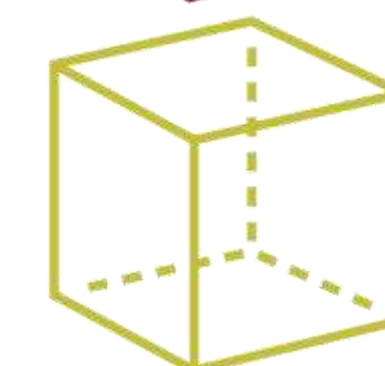
2-Multiple-Benefits Assessment (GNE – Stefania Mascolo)

Value = Contribution to SDG goals and multiple benefits estimations



3-Project Self Assessment Tool (ENERGINVEST – Miguel Casas)

Value = Project quality rating



4-Multiple Criteria Decision Analysis (MCDA)

Value = Decision making support tool, benchmark functionality for investors



EEnvest Platform (IES Dimitrios Ntimos)

Value = Automated report using blockchain*

**EEnvest investment risk assessment report*



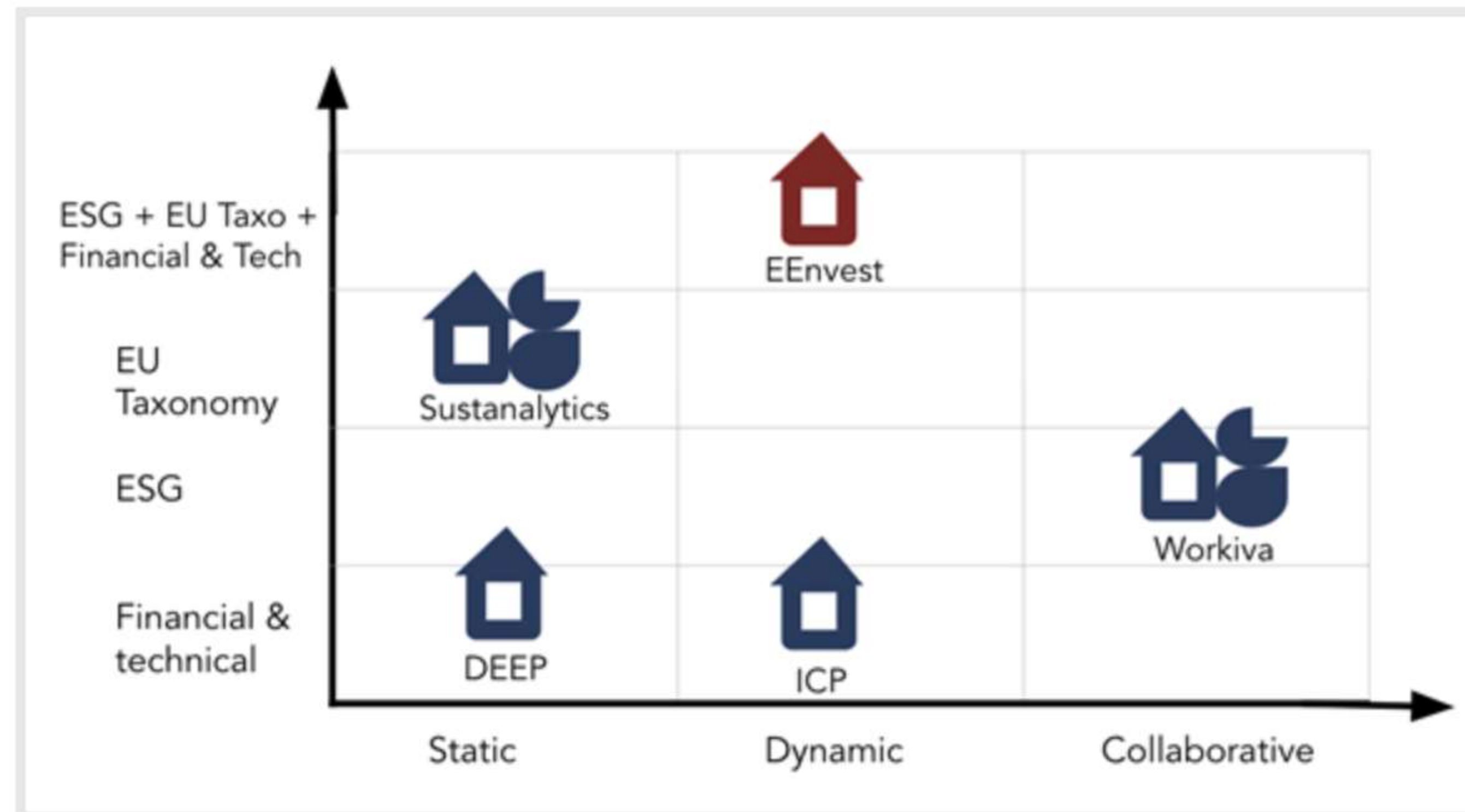


EEnvest Positioning

Key findings of the benchmark

EEnvest is the most advanced data-driven tool, the number of criteria taken into account in the evaluation is higher than in the benchmarked. EEnvest provides a the most complete investment evaluation.

EEnvest tools are at the forefront of innovation and environmental requirements.





***Exploitation strategy
and future perspectives***

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Exploitation strategy



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EEnvest Platform - Exploitation strategy

From V1 MVP to....

Sector adaptation V3, V4...

Countries deployment V2

Web-tool maturation V2

Commercial buildings

Residential buildings

RE Infrastructures

Spain

Italy

Belgium

France

Retail Banks

Investment funds

Retail Banks





Roadmap

M6 - Beyond the project end

- Partners refine web tools (test on more cases, integration of PQSAT and MCDA in the web platform, extended support for EU Taxonomy), UX after beta testing by pioneers. Find alliances and more interoperability (like DEEP, CRREM , Digital Building logbook...) in ITA, SPA and another country.



M12 - Go to market 'retrofit of commercial buildings for real estates'

- Administrative/organizational activities completed. Presentation of EEnvest V2.

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M24/36 - New countries

EU country specific targets to be mapped and marketing adapted to local interlocutors

M42 - Development of new features for sector adaptation (V3, V4)

- Residential buildings and PV systems, other risks, extended EU taxonomy support).



Innovative Business Model

<p>Key Partners</p> <ul style="list-style-type: none"> Data provider Data certifier Regulatory authorities Researchers in green finance Union and federation on green finance 	<p>Key activities</p> <ul style="list-style-type: none"> Data QC Tools development Consulting Training <p>Key resources</p> <ul style="list-style-type: none"> Platform Data storage EEnvest partners 	<p>Unique Value Proposition</p> <p>Multi-benefit high quality analysis of EEI to ensure sustainability friendly (no greenwashing) portofolio management and to increase the renovation success</p>	<p>Customer relationship</p> <p>The tools must be up to date with all new regulations, being a reference tool.</p>	<p>Channels</p> <p>Events, high level conference on sustainability, research projects LoS partner</p>	<p>Customer Segments</p> <p><u>Innovators</u> Investment funds Very rigorous and demanding on environmental impacts, which want to go further than the regulatory requirement (future EU taxonomy) and avoid greenwashing Building owners who want to optimize their building stock in the most sustainable way.</p>
<p>Cost Structure</p> <ul style="list-style-type: none"> Awareness raising Customer Acquisition costs Distribution costs Tools IT maintenance Tools development 			<p>Revenue Streams</p> <ul style="list-style-type: none"> Services contracts (innovators) To be determined for early adopters and early majority 		

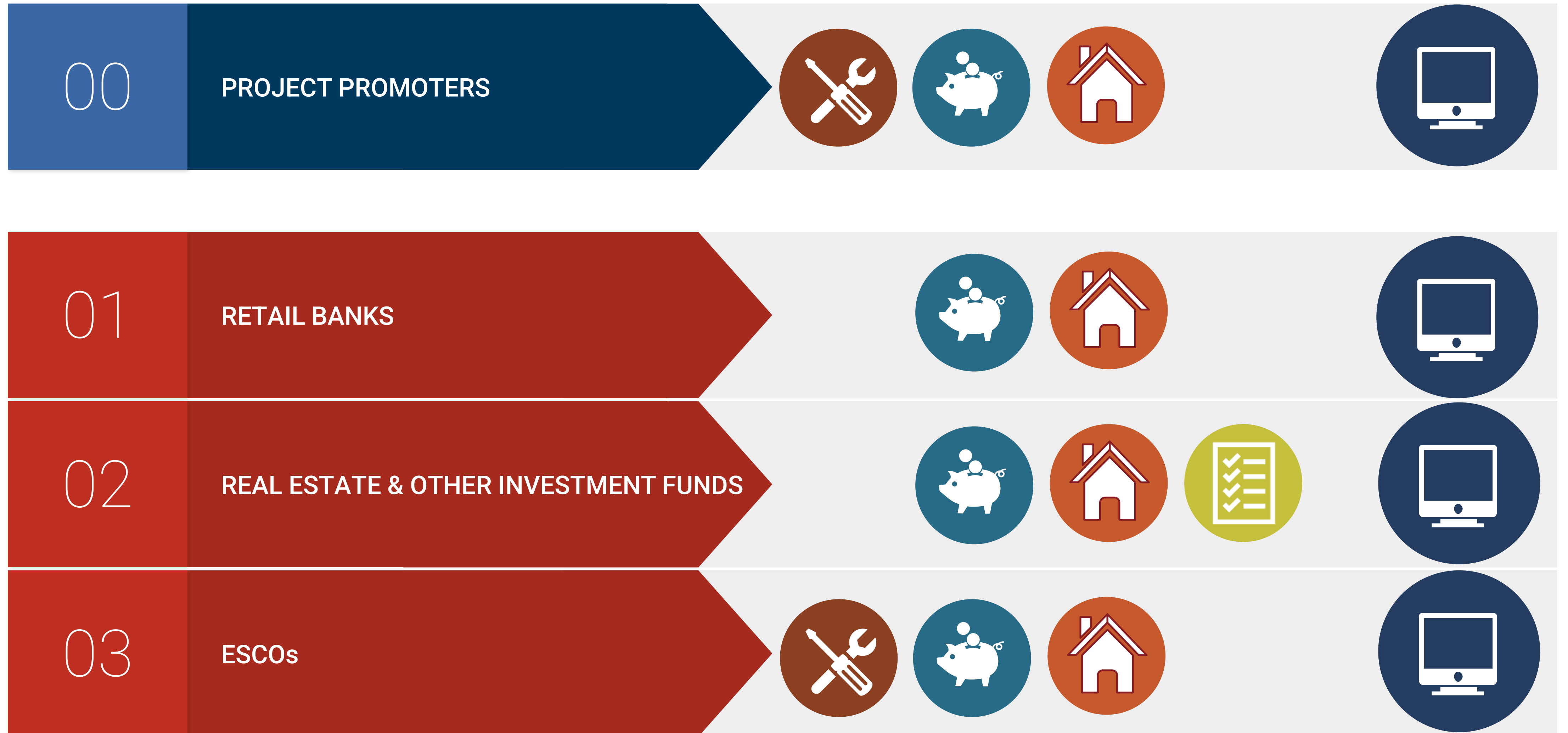
PRODUCT

MARKET





Business Cases Under Evaluation





e.g. members of...



Project promoters - BC

EEnvest

Needs

...want EE, they want EE projects designed following the best practises

Project data quality self assessment score

...need credit (money) to finance their projects, promote their projects in front of financiers

Technical, financial, MB performances KPIs

...need visibility, promote their EE projects

Database & KPIs

...access to blended finance

Standardised wording/message





Retail banks - BC

e.g.



EEnvest

Needs

... distribute loans, they need to understand technical and financial risks associated with the EEI

Technical derisking, financial performances

... They need to report % of green mortgage - <https://www.energy-efficient-mortgage-label.org>

MB KPIs such as EU Taxonomy compliance

... Growing appetite for carbon credit

Report (CO2eq emission redu., EE projects as carbon offset programme)





e.g. members of...



Investment funds - BC

EEnvest

Needs

...look for a large number of EEI, large EEI projects

Large database of EEI projects

...need to understand the technical and financial risks associated to each EEI

Technical, financial, MB performances KPIs

...need CO2 eq. Emission reduction, energy savings, EU Taxonomy compliance, LEED cert. compliance

MB performance/KPIs

...need investment capitalisation estimations (green asset value increase)

Property value increase indicator





ESCOs- BC

EEnvest

Needs

...they finance EE projects via Energy Performance Contracting (EPC)

Support EPCs (quantifying/qualifying impacts, supporting level of guarantee)

...they support project owners & ESCOs, designing the EE project

Project data quality self assessment score, weak point detection

...the remuneration of the ESCO is tied to the energy savings achieved

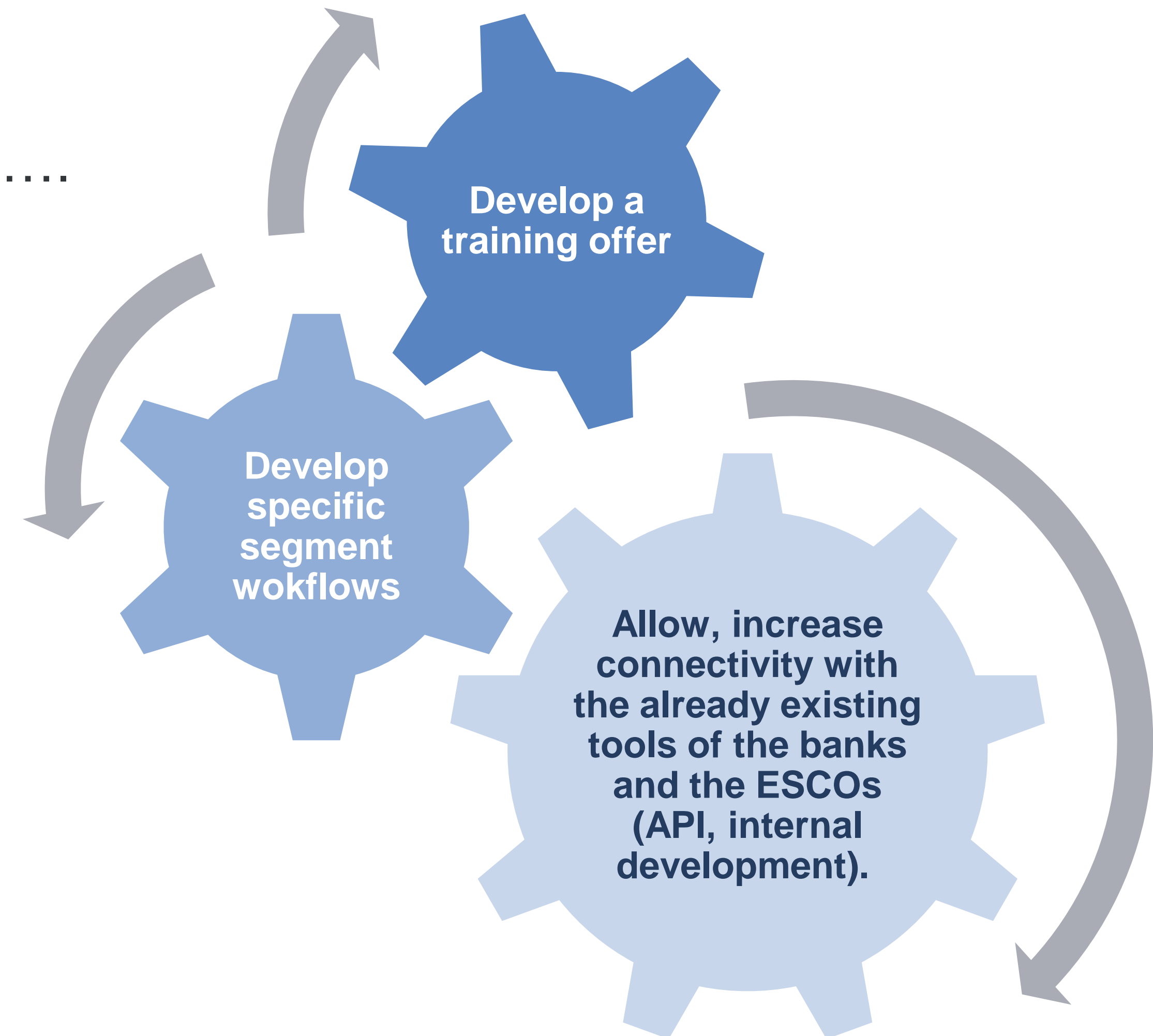
Derisks the investment quantifying the risk of Energy Gap





Business Cases Key findings

The future development of the platform will have to....





EENVEST project - Summary

- **Tool for EEI innovators:** several high-quality results landing just on-time in a growing building retrofit market
- **Decrease complexity computing derisking KPIs from project data, including non-energy benefits** - unique data driven derisking models/platform.
- **Allows the assessment and benchmarking of EEI**
- EEnvest results platform and bricks have **multiple exploitation paths to follow.**
- Platform MVP **only need extra IT development**, concrete models and methodologies will improve consulting services offered by the consortium partner short after the project end allowing to assess the full impact of EEI.

