ACCELERATING INVESTMENT IN ENERGY EFFICIENCY

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The Big Energy Summit

27th February 2015





Accelerating investment in energy efficiency

OPEN PERFORMANCE DATA

STANDARDISATION

FINANCING



Accelerating investment in energy efficiency

LOCAL AUTHORITY ENERGY INDEX

INVESTOR CONFIDENCE PROJECT

REQUIREMENTS



INVESTOR CONFIDENCE PROJECT

REQUIREMENTS





25 local authorities Range of quantitative and qualitative measures 4 categories:

- Energy management in own buildings
- Energy in the community
- Energy in housing
- Energy infrastructure





ABOUT EXECUTIVE SUMMARY ENERGY INDEX LOCAL AUTHORITIES INDICATORS NEWS FEEDBACK



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LOCAL AUTHORITY ENERGY INDEX

The Local Authority Energy Efficiency Index is a pilot tool allowing officials, councillors and other interested parties to measure their energy efficiency efforts against other areas, and find ways to overcome barriers they may be facing.

This first report scores 25 Local Authorities on a number of indicators, including energy efficiency in the community and housing, as well as energy management within their own buildings and the energy infrastructure that they oversee.

Potential strategies to improve energy management in their areas are also provided for each individual authority based on how they have currently scored.

View the Executive Summary View the Full Energy Index

Local Authority	Score
Southampton	74.12
Kingston-upon-Hull	73.48
Peterborough	72.83
Leeds	71.64
Coventry	69.00
Barking & Dagenham	67.12
Newcastle-upon-Tyne	65.34
Plymouth	64.89
Bristol	63.64
Milton Keynes	63.52
Cheshire East	57.22
Wokingham	56.17
Manchester	55.28
Doncaster	54.50
Bedford	52.11
Birmingham	51.77
Telford & Wrekin	49.77
Richmond-upon-Thames	49.65
Stockton-on-Tees	48.13
Sunderland	47.78
Thurrock	47.73
Wirral	46.44
Brighton & Hove	45.92
Derby	37.90
Swindon	36.78



Working on co-creating Energy Index 2.0

Aiming for 100 local authorities

Would like actual performance data – NPI benchmark

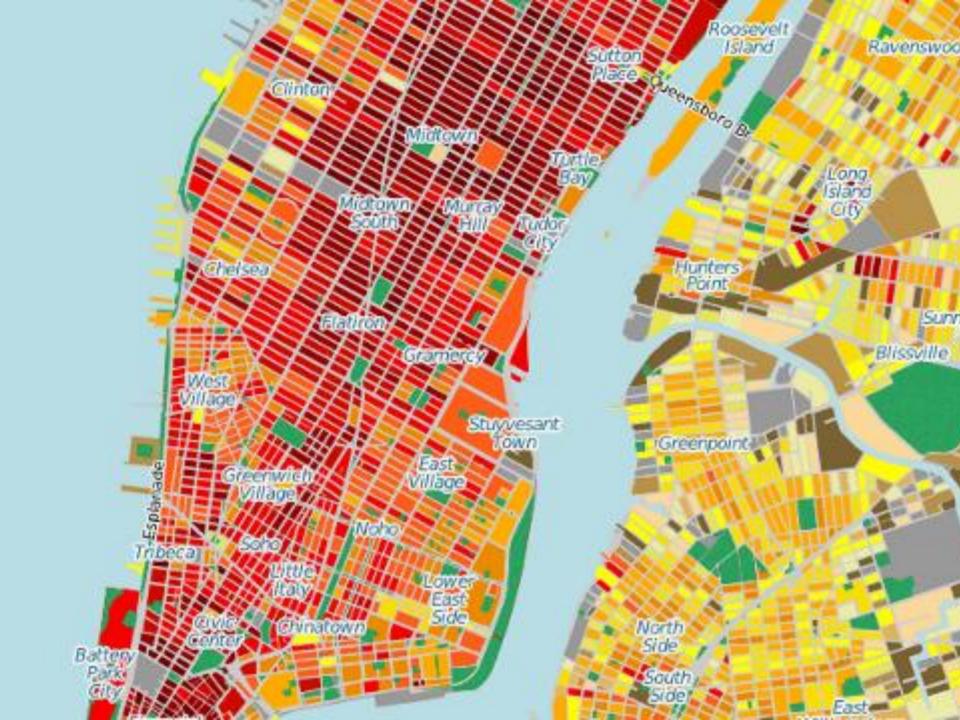
Support from:











INVESTOR CONFIDENCE PROJECT

REQUIREMENTS



INVESTOR CONFIDENCE PROJCT EUROPE

Standardised Protocols for development & documentation of EE projects

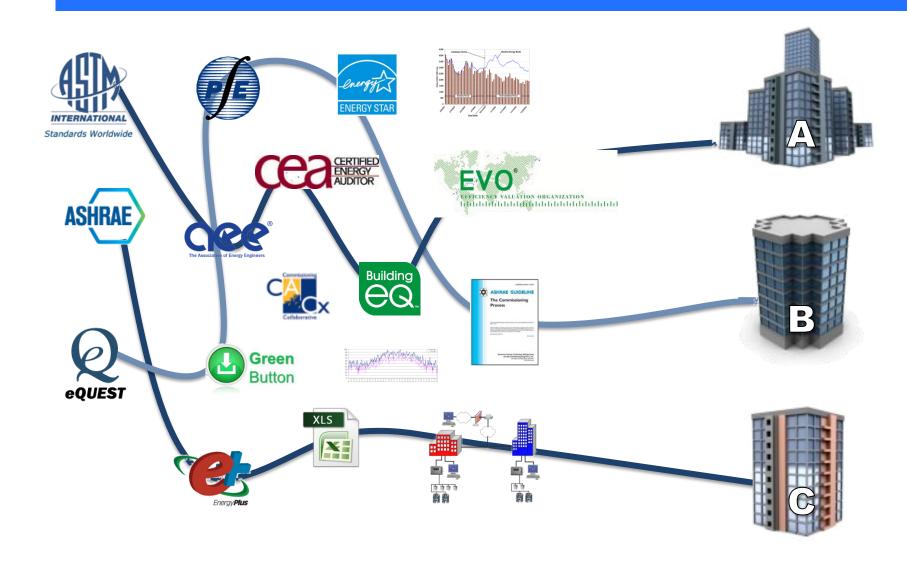
Allows:

- Reduced due diligence
- Aggregation
- Financial institutions to build teams
- Increased confidence in results

NOT about developing new technical standards



CURRENT LACK OF STANDARDISATION



ICP PROTOCOLS

Baselining

Savings Projections Design, Construction, Commissioning Operations, Maintenance, Monitoring Measurement & Verification (M&V)

















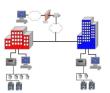
















BASELINING

- Existing Building
- Drawings
- Weather File
- Energy Usage
- Energy Rates
- Occupancy

SAVINGS

- Model File
- Calibration Data
- Bid Packages
- Certifications

COMMISSION

- Cx Plan
- Cx Authority
- Test Procedures
- · Facilities Req.

OPERATIONS

- BMS Points
- Fault Plan
- Maintenance
 Plan

MEASUREME

- M&V Model
- Regression
 Model
- Adjustments
- Impact
- Baseline
 Adjustments



INVESTOR CONFIDENCE PROJCT SUPPORT

EEFIG (EU & UNEP)



Recommended "EU Investor Confidence project supporting standard processes and open-source energy usage database."

IEA



ICP could "facilitate a global market for financings by institutional investors that look to rely on standardized products"

EC Horizon 2020



€2m funding awarded – contract signature end January 2015

Swiss foundation \$1m funding awarded







CLIMATE & STRATEGY

PARTNERS











EMVC Solutions





















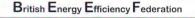












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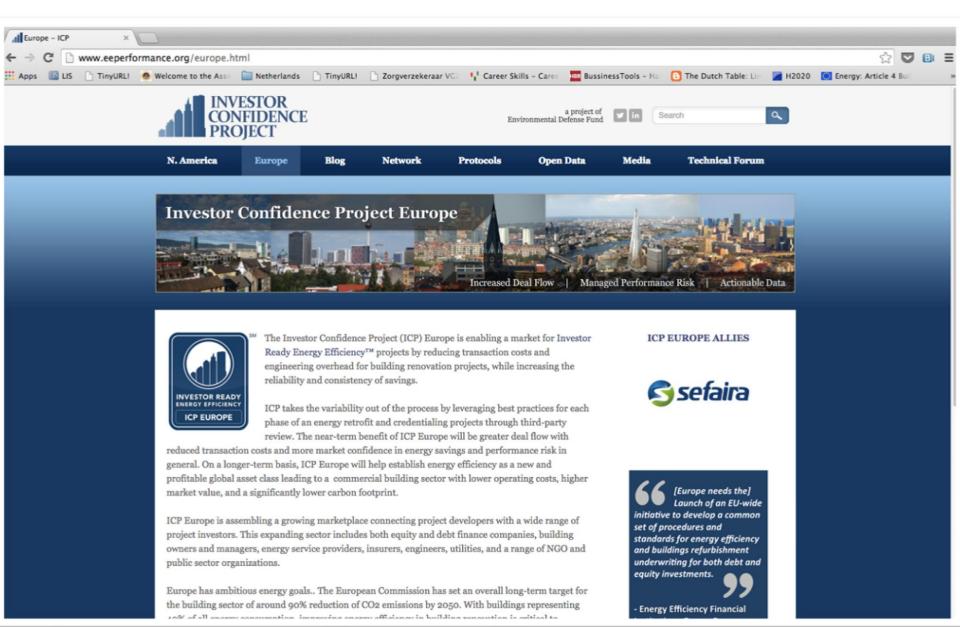


Energy Performance Protocol LARGE COMMERCIAL v1.2

INVESTOR CONFIDENCE PROJECT



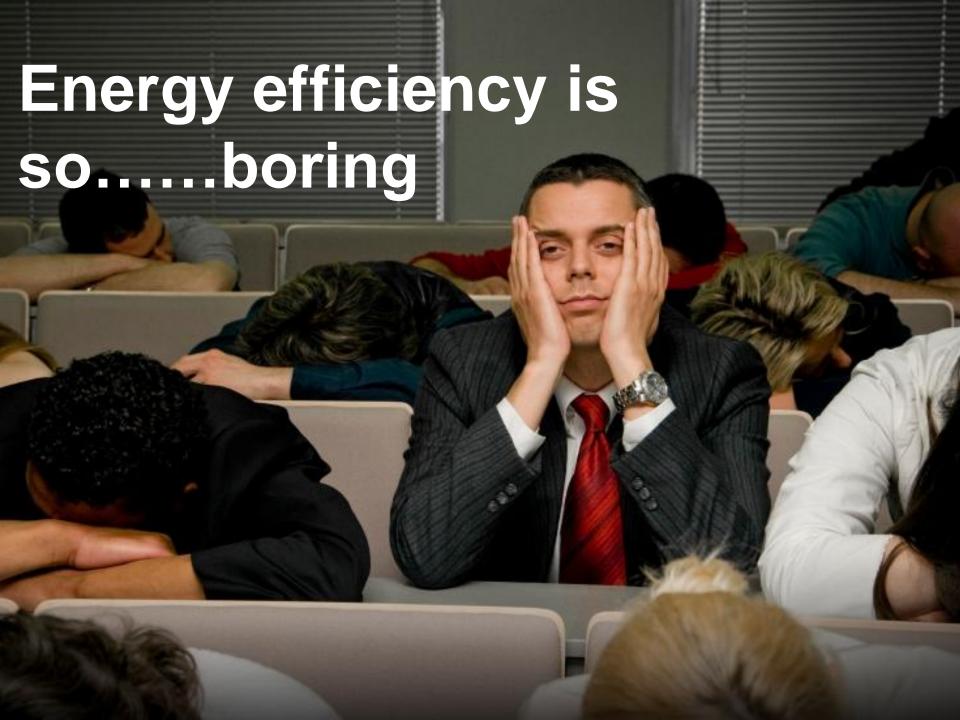
www.eeperformance.org/europe



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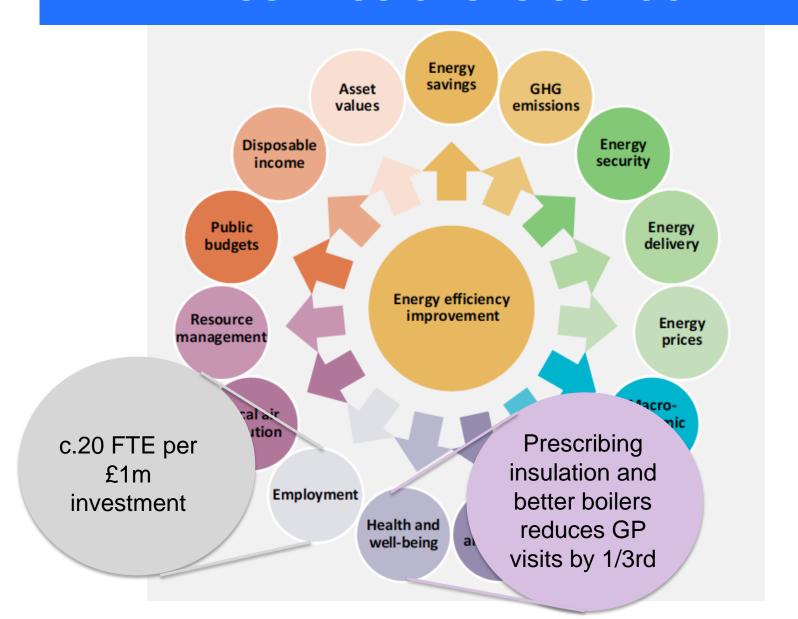
REQUIREMENTS







BETTER BUSINESS CASES USE CO-BENEFITS





BUILDING BETTER BUSINESS CASES

Hit the right buttons

Use language that is understood

Stress co-benefits



AGGREGATION

Standardise from the beginning (ICP)

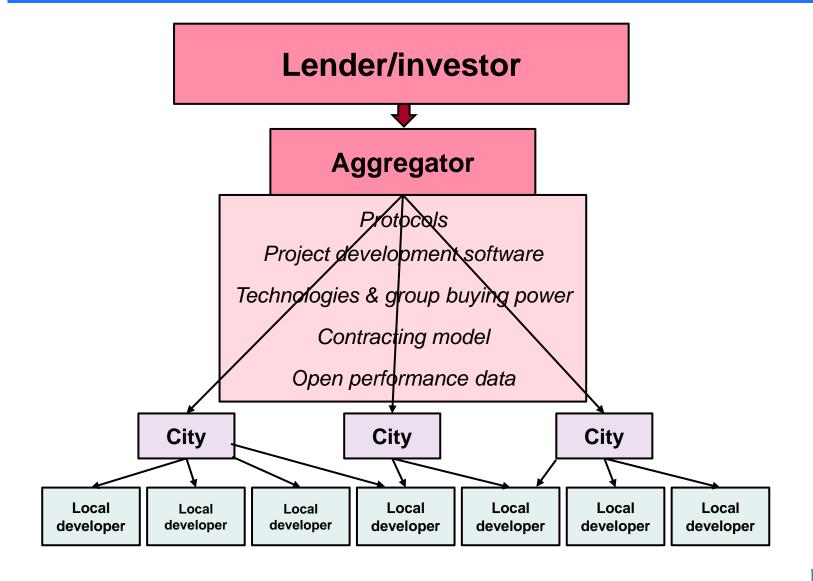
Think big – portfolio approach

- within an authority
- across authorities / regions

Partner with an investor and potential secondary market from the beginning



PUTTING THE JIGSAW TOGETHER





SUMMARY

Local Authority Energy Index

Help us co-create Version 2.0

Investor Confidence Project Europe

- Sign up as an Ally
- Join Technical Group
- Embed into existing and planned projects

Financing energy efficiency

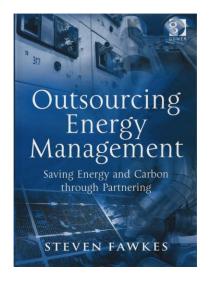
- Build better business cases
- Go for scale
- Standardise
- Put all the jigsaw pieces together



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