





CIBSE/ASHRAE Webinar: Differences Across the Atlantic: International Perspectives on Building Energy Labeling

Jose Ortiz Director, BRE Building Energy Modelling 19<sup>th</sup> February 2014

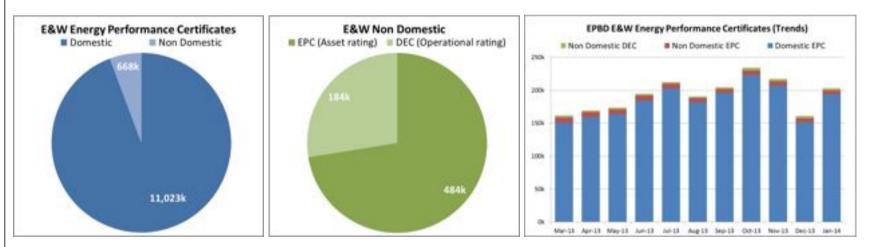
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#### **Building Energy Certification**

- Terminology! (Rating, Labeling, Certification, Benchmark, ...) Covered more extensively later by Adam Hinge
- Growing uptake and interest in recent years.
  Illustrative data for E&W:



Statistical data obtained from the E&W EPC register





#### There is a variety of Certificates and Schemes

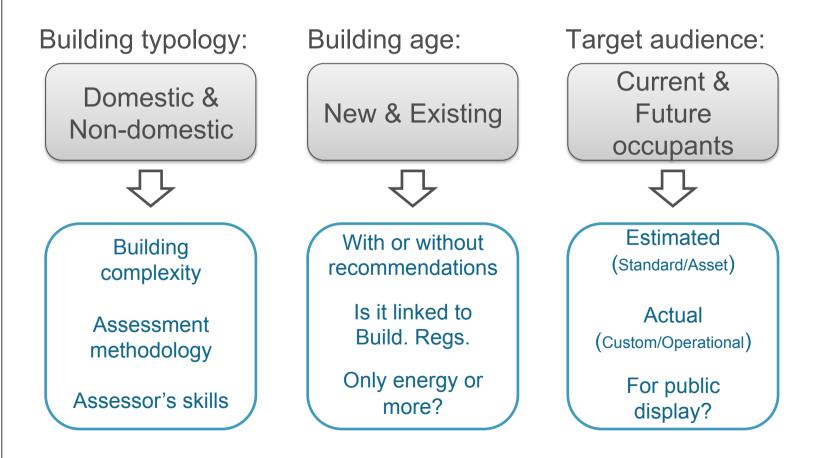






#### **Building Energy Certification: Scope, key for success**

- Building Energy Certification in UK covers a wide range of issues:







### **Building Energy Certification: Elements of Success.**

- Elements for a successful building energy certification scheme

Better labels Cost effectively Credibility by Real savings

Stakeholder engagement

"The ability to harness the <u>opportunities for improving</u> the energy performance of buildings throughout their life cycle."

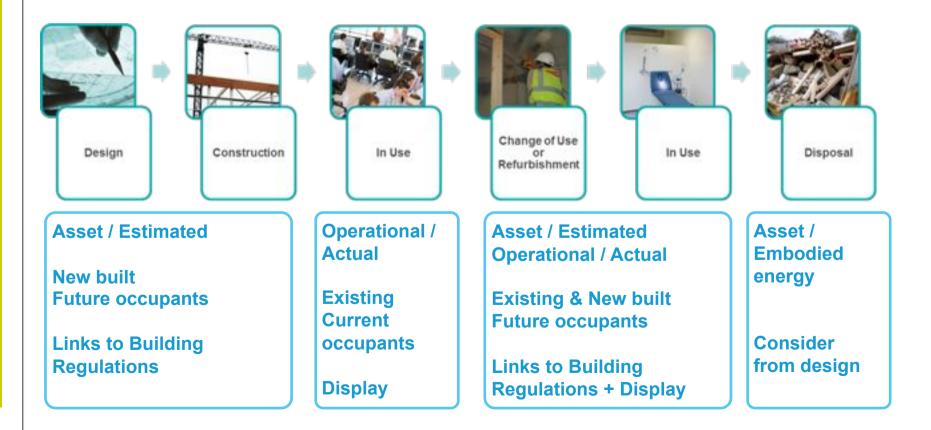






## **Building Energy Certification in UK: Opportunities for Improving Energy Performance.**

There is not a "One size fits all" solution to seize all opportunities

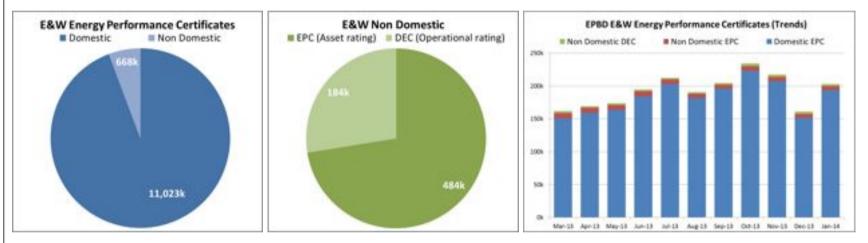






# How do we know which policies are having the intended impact towards reducing building energy use and CO<sub>2</sub>?

– Key is in the National EPC Register:



- Very rich data with caveats.

- Research with considerations of Data Protection issues should be encouraged and enabled.

- Potential for cross-mapping Asset vs. Operational data and informing research on Performance Gap, etc.







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