More than counting beans: The role of evaluation, monitoring & verification

C4E Forum

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Three questions on EM&V

EM&V - why does it matter?
What are the requirements for EM&V under Article 7?
What does best practice look like?
1 EM&V - why does it matter?
actual savings ≠ reported savings

Source: Rosenow et al. 2017, adapted from Wade and Eyre (2015)
Only 14% of all reported energy savings under Article 7 follow best practice

Source: Rosenow et al. 2016
What are the requirements for EM&V under Article 7?
EM&V under Article 7

- Statistically representative sampling
- Additionality
- Independent audits
- Demonstrated materiality
3 What does best practice look like?
Additionality: the French White Certificate scheme

Source: Osso et al. 2015
Materiality: Estonian KredEx Credit and Export Guarantee Fund

Financial contribution of 15-35% of investment costs
Realised savings are measured for 12 months after the installation to ensure they are in line with expectations.
Sampling: BATEX in the Brussels-Capital Region

• Web-based application to:
  • gather information on 500 individual measures
  • detailed monitoring of actual consumptions and the experienced comfort level
Conclusions
Conclusions

EM&V key to making sure savings are real, currently not ensured

Article 7 requires sound EM&V

Plenty of best-practice examples
About RAP

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