

improve the level of implementation of technical measures.

For more information, please contact [Antoine Durand](#).

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AMERICAS

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Brazil

Measuring and verifying energy savings benefits EE projects



100 electricity providers are obligated by law to implement energy efficiency projects nationwide with a yearly budget of BRL 400 million (EUR 150 million). In August 2014 the Brazilian Electricity Regulatory Agency Authority (ANEEL), the regulating and supervising entity of the national Energy Efficiency

Program (PEE), introduced standardised procedures and methods of Measurement and Verification (M&V) for these energy saving projects. The German Renewable Energy and Energy Efficiency Program (PREEEP), implemented by GIZ on behalf of BMZ, supported ANEEL in optimising M&V within PEE, to train electricity providers on M&V skills and to elaborate e-Learning training material. ANEEL also intends to improve PEE's monitoring and evaluation system by using the M&V data.

The above-mentioned amount of money brings significant electricity savings annually (kWh/a), with possible further savings if projects continually improve their quality. Measuring and verifying the energy saved within projects is the first step towards evaluating their quality, learning from their mistakes, and identifying solutions to save more energy in the future. It is well known that 'only what is measured can be managed.' However, appropriate knowledge and well-trained human resources are necessary for carrying out adequate M&V of energy efficiency projects.

For more information, visit [ANEEL](#) and [Energylopedia](#) or contact [Sebastian Schreier](#).

Photo: E-Learning Training Video on M&V.

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Brazil

World's largest housing programme becomes energy efficient



Brazil suffers from an energy crisis. Thus for various stakeholders, energy efficiency is increasingly becoming a focal point. Experts predict approximately 50% energy efficiency potential for new buildings while expansionary national housing programmes have steering functions in the sector.

The Ministry of Cities implements the housing programme, *Minha Casa, Minha Vida* (PMCMV, 'My House, My Life'). Since 2009, approximately EUR 80 billion has been invested to commission 3.6 million homes. PMCMV primarily targets low-income families. They receive subsidies covering up to 90% of the total value represented by Brazil's housing market. According to the ministry, up to 23.8 million homes are additionally needed by 2023. This will require investments of approximately EUR 70 billion per year.

Within the PMCMV, energy efficiency has hardly been considered. This will change, considering the ambitious goals defined by the Brazilian climate