

RENEWABLE QUOTA MODEL (RQM)

Code: **MARIE/MEDBEES/IL/WP5/SM3.1/PA3.1/RQM**

Type of output: **Model**

Responsible partner: **CTFC**

Key words: Renewable energy, biomass, solar, integrating renewables in buildings,

Description: *A model to provide support and facilitate MED Regional and Local Authorities decisions to select ERB investments in compliance with the Nearly Zero Energy in Buildings (NZEB) EU policy and Directive.*

The Renewable quota model proposes a calculation method to determine the percentage of renewable materials and renewable energy proposed by the Energy Renovation in Buildings (ERB) in Maximum Interest and Impact Projects (MIIPs).

The RQM could be implemented by each MED Regional or/and Local Authority through their own legislation fixing the minimum renewable quota to finance MIIPs and also the specific legal implementation conditions or promoting and encouraging projects which have a higher share of renewable. In any case MED Regional ERB strategies should define the official position in this very important question to achieve the EU strategic objectives.

The MARIE proposal is a very logic and simple calculation method based in calculate the percentages of renewable materials and renewable energy in each ERB project. To calculate the RQ, is necessary to know the total economic cost of materials for renovation and the total energy consumption of the buildings before and after renovation.

Interactions: **MARIE/MEDBEES/IF/WP5/SM3.1/PA3.1/RBPH (Renewables Best Practices Handbook)**

Analysis: The strengths: availability of a simple and easy to calculate formula with a high degree of replicability.

Weaknesses: difficulties for standardization and common acceptance of one calculation method.

Interest: to provide a calculation method to compare the use of renewable materials and energy in ERB MIIP's, helping decisions makers in their financial decisions