

# CALCULATION OF FARMING BIOMASS RESIDUES

**Innovations and Benefits** - Quantitative assessment, through the Agri-res software platform, of the potential energy production and use of agricultural biomass residues on a territorial scale (provinces, regions, etc.). Other information can be provided, such as GIS analysis of land biomass availability or scenarios for gross or net biomass distribution.

**Uses** - Calculation, for the major grass and tree crops in the Italian farming system, of the woody and grass residues produced each year (straw, trunks, boughs, runners, wood), based on crop surface and productive data. Energy programming and planning at the regional and provincial levels.

### Past and Present Activities -

ENEA support to the energy planning upon request by the Regions (e.g., PEAR Emilia Romagna, 2011, AA.VV, 2012b). It has also been used for Latium biomass potential assessment for the regional and energy plan (PER)

*Potenziale lordo da residui agricoli - Valori assoluti*

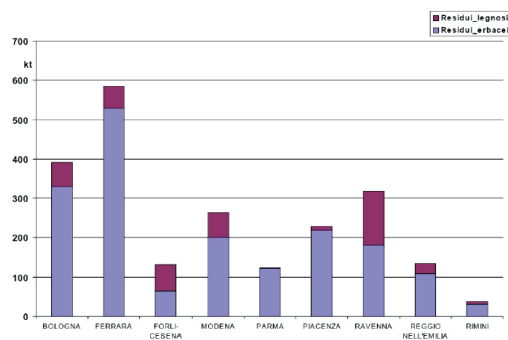


Figura 11 - Grafico del potenziale lordo delle diverse provincie analizzate

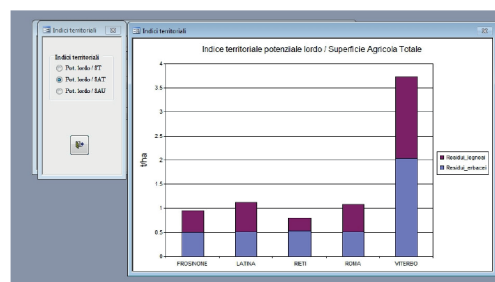


Figura 12 – Esempio di grafico degli indici territoriali (potenziale su superfici)

### Characteristics: CUSTOM

Thanks to its flexibility, the service of calculation of farming biomass residues can be adjusted to different needs and contexts.