SAFE Toolbox:
Woodfuel Assessment in Displacement Settings

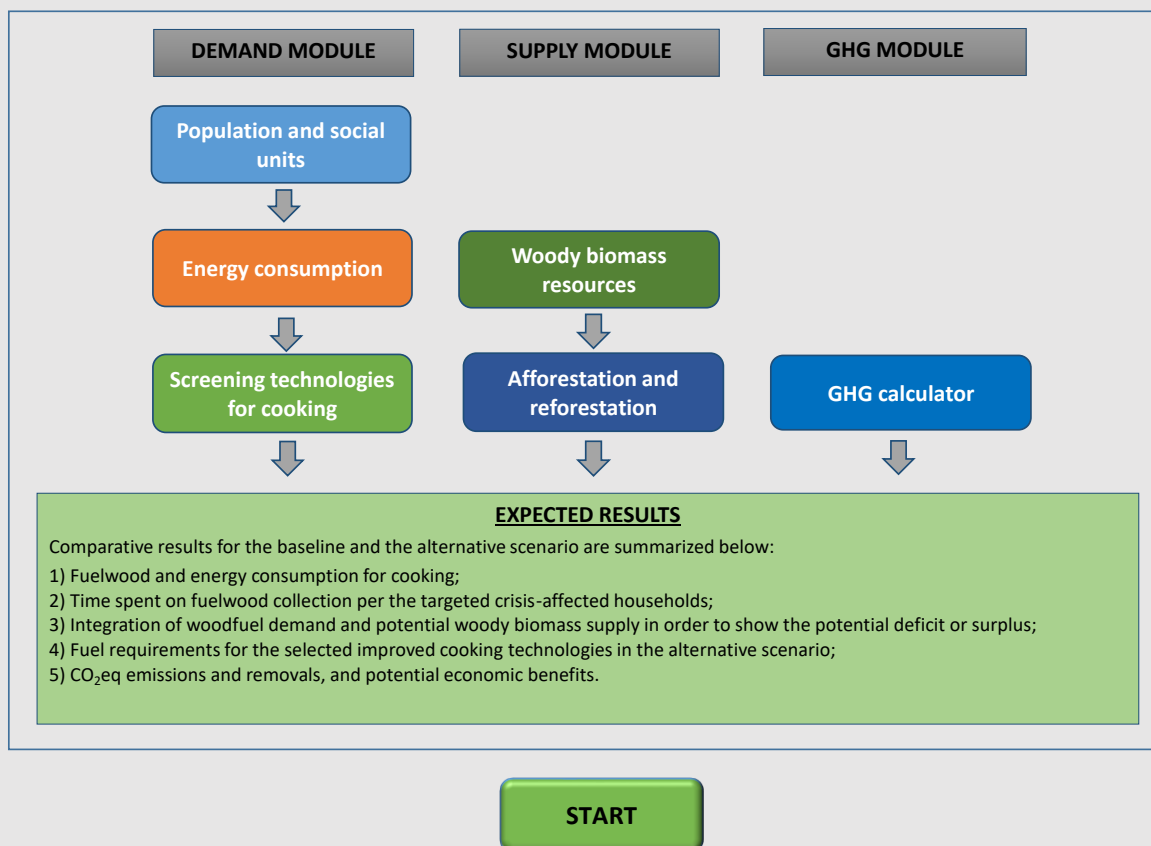## ABOUT THE SAFE TOOLBOX

The SAFE Toolbox is an Excel-based application, which supports a systematic collection and analysis of field data on energy needs, woodfuel resources and associated risks and challenges faced by people in displacement settings. The SAFE Toolbox is intended to support the identification of the baseline situation and planning alternative scenarios. The user can simulate alternative scenarios in which improved cooking technologies and new tree plantations are introduced to reduce woodfuel consumption and enhance woodfuel supply. The SAFE Toolbox can be used by field-based actors who are directly involved in the management of natural resources and protection of crisis-affected populations for assessing, monitoring and planning energy-related interventions.

The user guide of the SAFE Toolbox is here available: http://www.fao.org/3/a-i5806e.pdf

ANALYTICAL FLOW OF THE SAFE TOOLBOX

DEMAND MODULE

SUPPLY MODULE

GHG MODULE

Population and social units

Energy consumption

Woody biomass resources

Screening technologies for cooking

Afforestation and reforestation

GHG calculator

EXPECTED RESULTS

Comparative results for the baseline and the alternative scenario are summarized below:

1) Fuelwood and energy consumption for cooking;
2) Time spent on fuelwood collection per the targeted crisis-affected households;
3) Integration of woodfuel demand and potential woody biomass supply in order to show the potential deficit or surplus;
4) Fuel requirements for the selected improved cooking technologies in the alternative scenario;
5) CO_2eq emissions and removals, and potential economic benefits.

START

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