



Energy Analytical Framework

26.05.2021

Adam Ostaszewski, Energy Data Officer, aostaszewski@iom.int Anaïs Matthey-Junod, Junior Energy Expert, aostaszewski@iom.int



Energy Analysis Framework



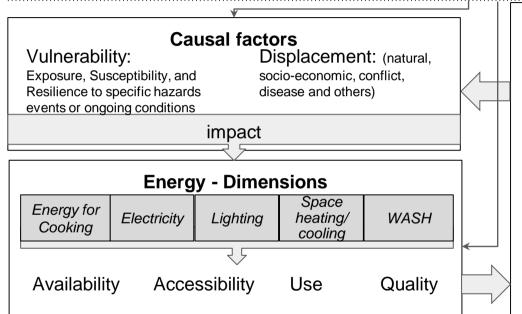
Safety risk

Protection

risk

Climate and weather conditions Environmental resources Built environment/Shelter

Climate change Political & Legal framework



Health

risk

Nutrition

risk

Food security

risk

Environmental

risk

Outcomes

Protection W
Shelter safety R

Well-being
Reduced fuel burning

Connectedness with

family and community

WASH facilities Community facilities Moving around site

Moving around site Reduced GBV

incidents
Food Consumption

Household air

pollution

Safe air quality

Safe for Human Consumption Water Purification
Safe for Human
Consumption

Nutrition Livelihood
Reduction in malnutrition Cost Savings
Time Savings

Evaluation of associated risks

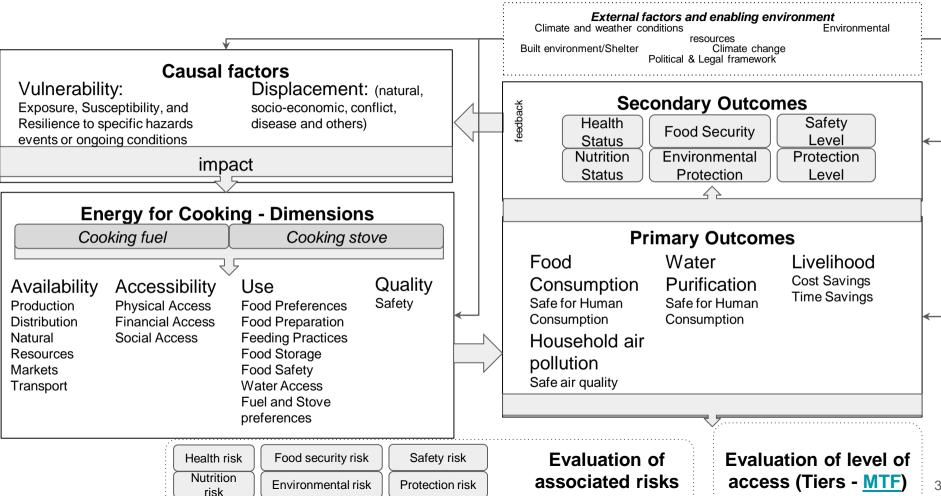
Evaluation of level of access (Tiers - MTF)

Socio-Economic

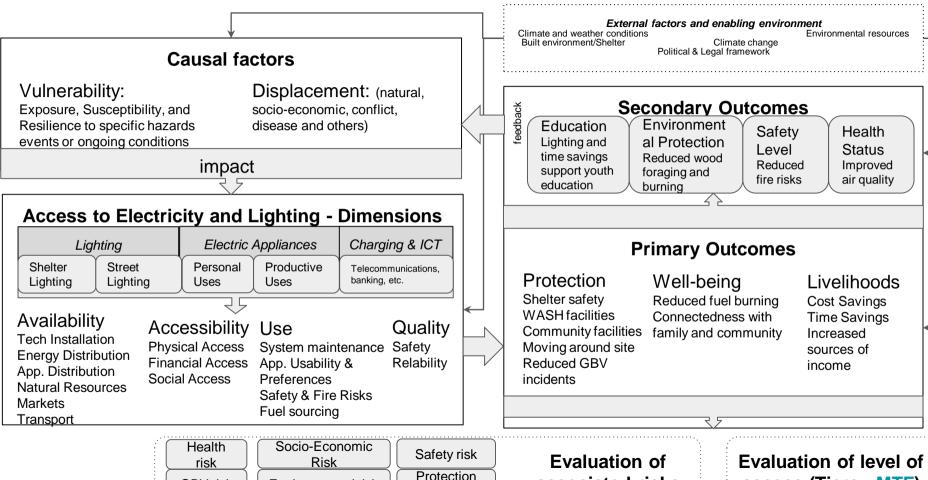
Risk

GBV risk

Energy Analysis Framework - Energy for Cooking



Energy Analysis Framework - Access to Electricity and Lighting



risk

GBV risk

Environmental risk

associated risks

4

access (Tiers - MTF)

Energy Analysis Framework - Energy for Thermal Comfort (Space Heating and Cooling) External factors and enabling environment Climate and weather conditions Environmental resources Built environment/Shelter Climate change Political & Legal framework **Causal factors** Vulnerability: Displacement: (natural, **Secondary Outcomes** Exposure, Susceptibility, and socio-economic, conflict, eedback Resilience to specific hazards disease and others) Health Safety **Environmental** events or ongoing conditions Status Level Protection Hypothermia Fire impact Wood foraging Dehydration Burns **Energy for Thermal Comfort - Dimensions** Heating Cooling **Passive Primary Outcomes** e.g. winterisation Space Space Circulation (blankets. Household air Well-being Heating Stove Cooler insulation, etc.) Device Comfortable pollution temperature Safe air quality Quality Availability Accessibility Use Physical Access Fuel and Stove Safety Financial Access Relability Distribution Preferences Natural Resources Social Access Fuel and Stove Safety **Cooling Devices Preferences**

Evaluation of Health Environmental Safety risk risk risk associated risks

Space

Fuel

Heating

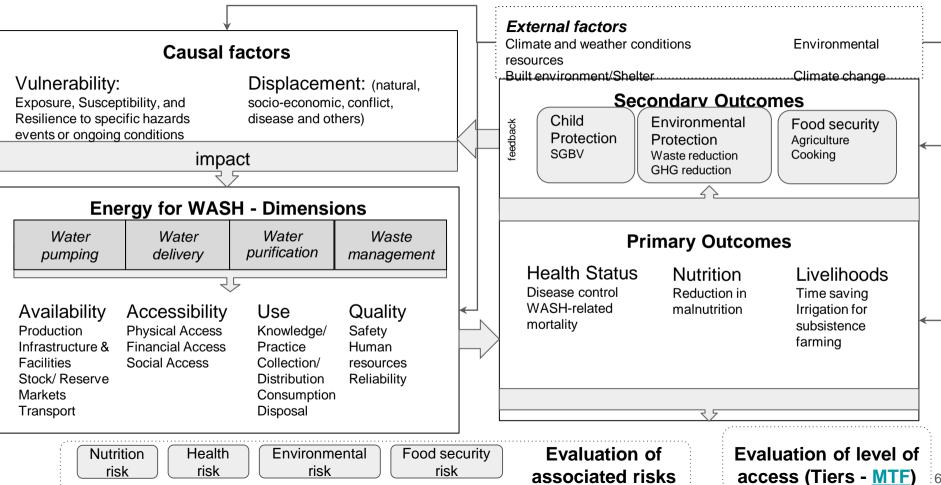
Production

Markets

Transport

Evaluation of level of access (Tiers - MTF)

Energy Analysis Framework - Energy for WASH (Water, sanitation and hygiene)



b