CIRCULAR ECONOMY - DRIVING FORCE OF THE SUSTAINABLE DEVELOPMENT STRATEGY

**KEY MESSAGES**

Description: Integrated model enabling energy and cost savings for farms by substituting fuel with an olive-derived clean and renewable energy source. The project scope encompasses planting of olive trees, olive crushing and production of olive mill pomace to investment in biomass boilers.

Specificity: Integrated approach that enabled meeting 60% of fuel needs

Impact: 24,000 tons CO₂ reduction

**SCOPE**

MOROCCO

**HOW IT WORKS**

**Ashes**
Biomass energy production covers 60% of current energy needs

**Biomass energy production**
Olive pomace oil extraction leaves in turn a by-product fuel the biomass boiler

**Planting of olive trees**

**Olive crushing unit**
Olive mill pomace is obtained as a by-product of olive crushing process

**Olive mill pomace**
Olive mill pomace is then dried to cut water content from 40% to 12%

**MOROCCO**

**BUDGET**

DH50M

**IMPACTS**

**Agricultural productivity**
Fuel savings for farms exceeding Dh35M between 2009 and 2015

**Climate change**
Greenhouse gas emission reductions Project registered as part of clean development mechanisms

**Sustainable dev. goals**
60% of energy needs met with biomass Helping Morocco meet 2050 target of 50% clean energy

**PLAYERS**

RFIs

**NEXT STEPS**

Target: production of 100 % of biomass-based steam

**IMPACTS**

**BUDGET**

DH50M

**PLAYERS**

RFIs

**NEXT STEPS**

Target: production of 100 % of biomass-based steam