



UNIDO experience with ISO 50001 in its energy management system capacity building program

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UNIDO

Standards for the SDGs

26 September 2018

Geneva



UNIDO Global EnMS-ESO Programme – June 2018



GLOBAL ENVIRONMENT FACILITY
INVESTING IN OUR PLANET

Operational in 18 countries
Planned activities in 10+ countries

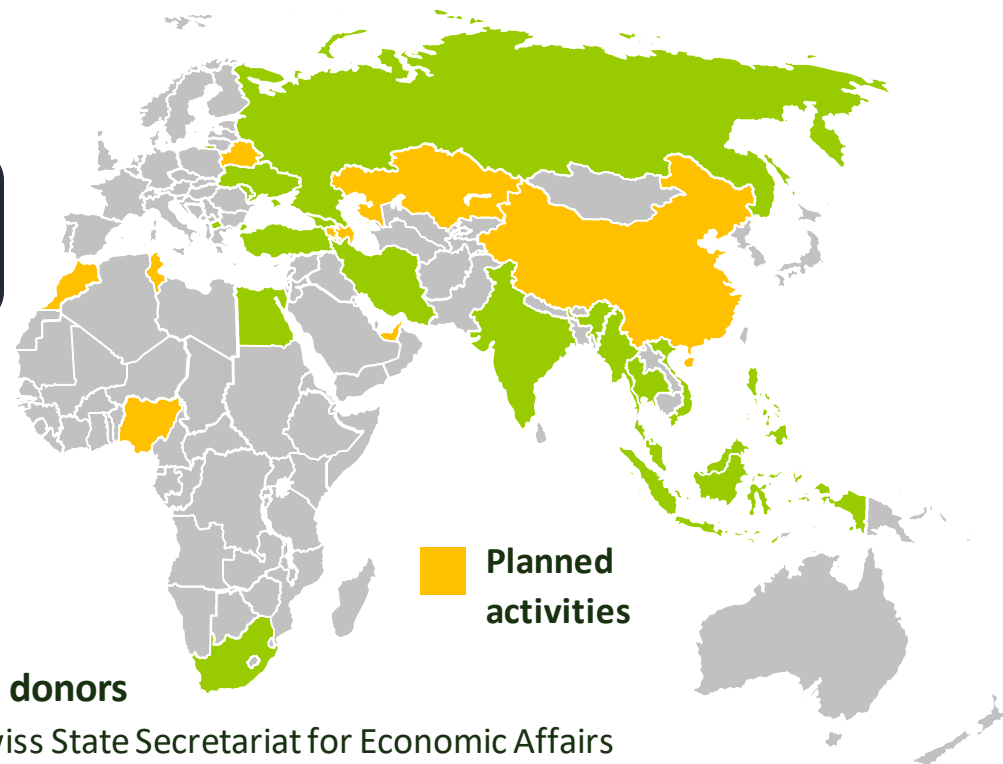
Projects ongoing

South Africa	Indonesia
Moldova	Egypt
Russia	Iran
Turkey	Ukraine
Ecuador	Colombia
Malaysia	Macedonia
Thailand	Myanmar
Viet Nam	India
Philippines	Georgia

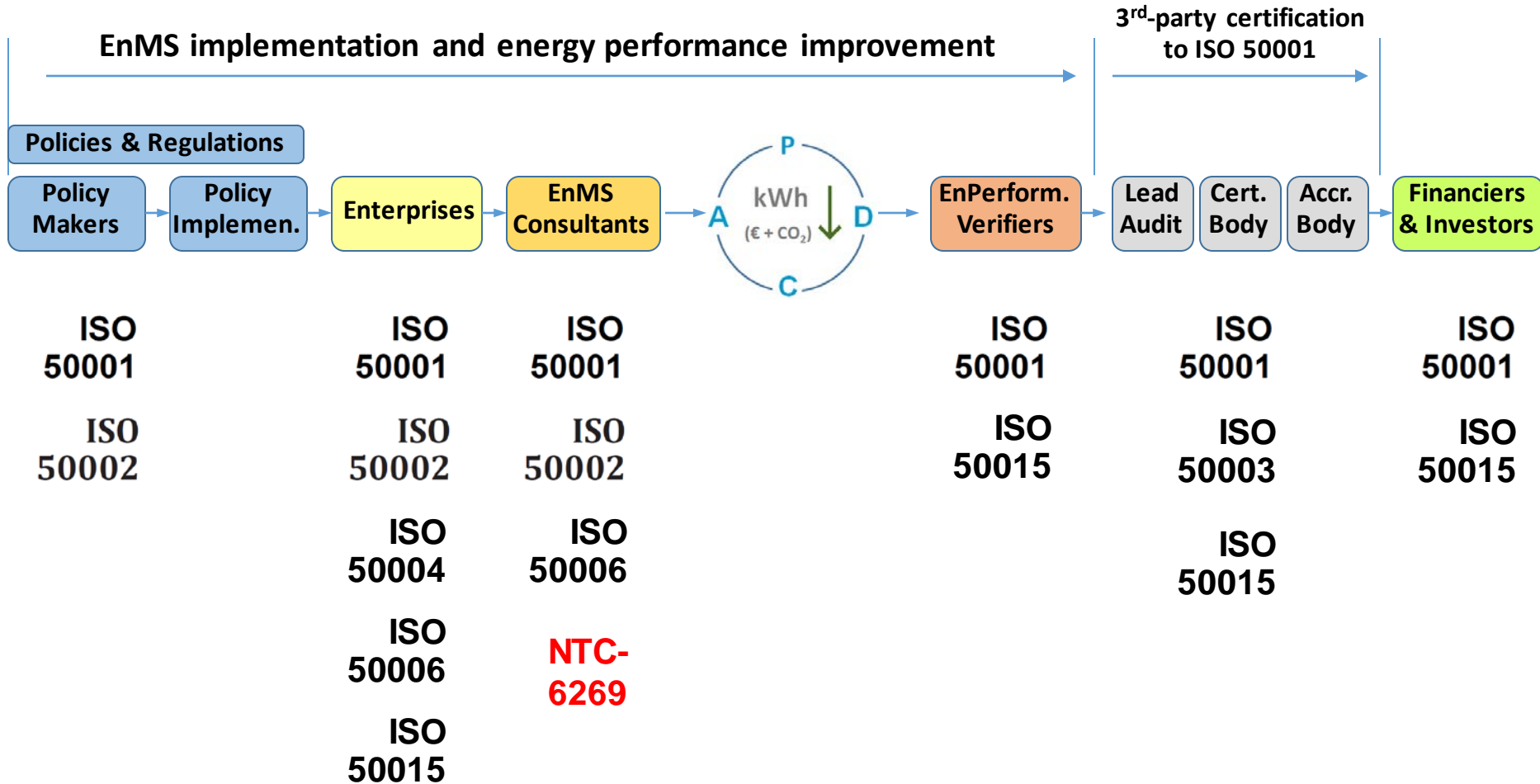
Planned activities

Other donors

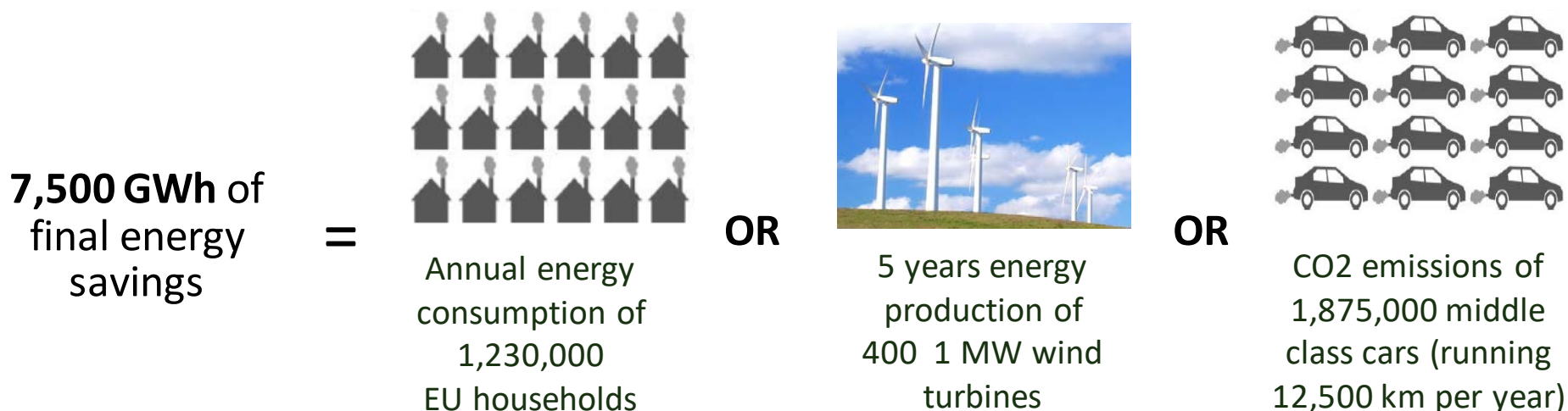
- ✓ Swiss State Secretariat for Economic Affairs
- ✓ UK Department for International Development
- ✓ Government of South Africa
- ✓ Government of Italy
- ✓ Government of Austria



Supply and value chain for EnMS-ISO 50001



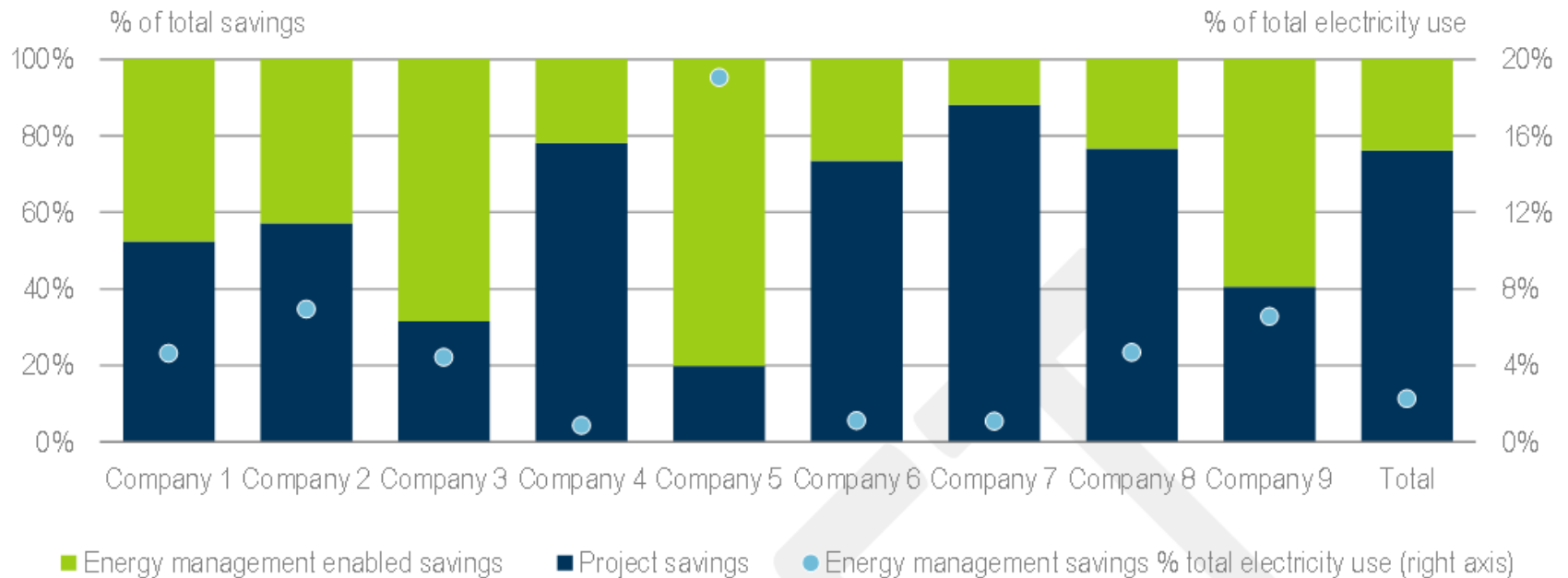
Impact of UNIDO-GEF EnMS-ISO 50001-ESO Program



- Organization-wide energy savings in first 1-2 years range from 4% to 15%, with little or no capital investments
- Cumulative cost savings of beneficiary companies estimated to exceed **USD 250 mio** without considering non-energy benefits
- Direct GHG emission reductions of more than **4.8 million tCO2**
- Sustainable pipeline of IEE investments generated

EnMS-ISO 50001 as unique tool for EE

Figure 4.13 Comparison of project and energy management enabled savings

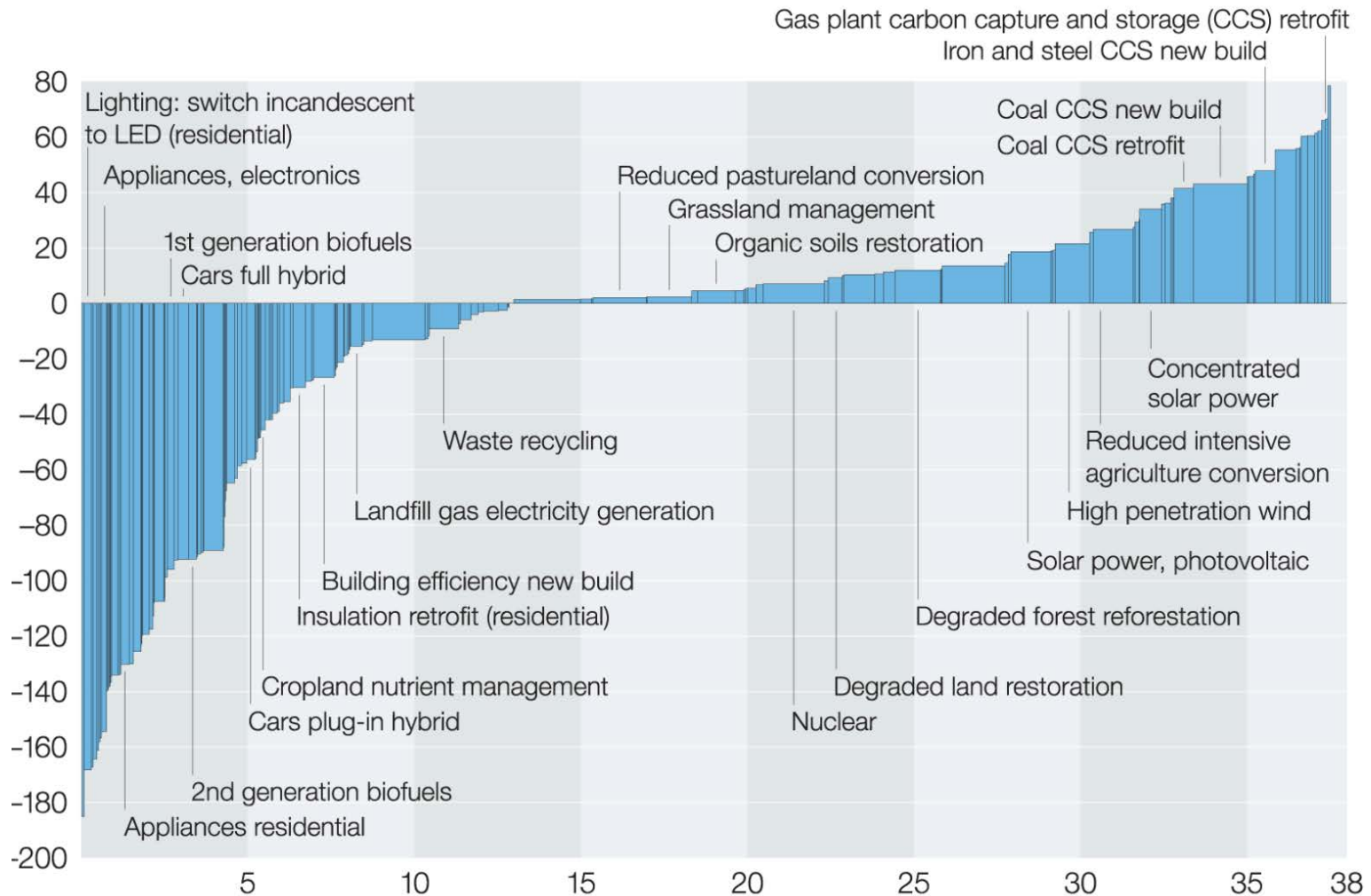


Source: UNIDO (personal communication)

“... Evidence is emerging that energy management systems unlock energy savings beyond those from technology replacement or process upgrades.”

Source: IEA Energy Efficiency 2018, forthcoming

Abatement cost, € per tCO₂e



Source: McKinsey & Company **Abatement potential, GtCO₂e per year**



SUSTAINABLE DEVELOPMENT GOALS

1 NO POVERTY



2 ZERO HUNGER



3 GOOD HEALTH AND WELL-BEING



4 QUALITY EDUCATION



5 GENDER EQUALITY



6 CLEAN WATER AND SANITATION



7 AFFORDABLE AND CLEAN ENERGY



8 DECENT WORK AND ECONOMIC GROWTH



9 INDUSTRY, INNOVATION AND INFRASTRUCTURE



10 REDUCED INEQUALITIES



11 SUSTAINABLE CITIES AND COMMUNITIES



12 RESPONSIBLE CONSUMPTION AND PRODUCTION



13 CLIMATE ACTION



14 LIFE BELOW WATER



15 LIFE ON LAND



16 PEACE, JUSTICE AND STRONG INSTITUTIONS



17 PARTNERSHIPS FOR THE GOALS





Thank you

