



ENPI CLIMA SOUTH
Euro South Mediterranean Initiative
Climate Resilient Societies
supported by Low Carbon Economies



Support Climate Change Mitigation and Adaptation

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Regional Seminar on “Low Emissions Development Strategies”
Marrakech, 16-17 April 2015

Examples of Low Emission Development Strategies from Europe



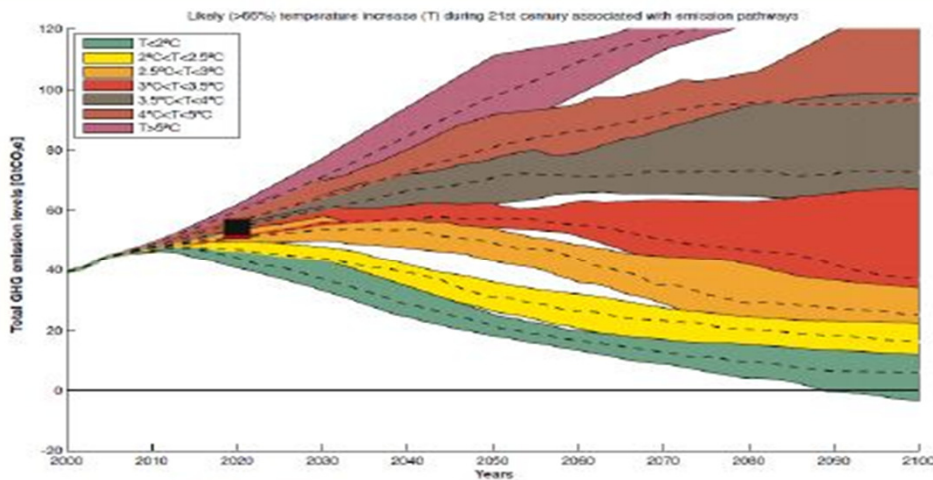
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LEDS EXAMPLES IN EUROPE SUMMARY

- **THE EU LEVEL**
- **UK: LOW CARBON TRANSITION PLAN**
- **ITALY: CO₂ EMISSIONS REDUCTION PLAN**
- **MONETENGRO: NCCS (National Climate Change Strategy) - *ongoing***
- **LESSONS LEARNT & CONCLUSIONS**

LEDS EXAMPLES IN EUROPE

THE GLOBAL MITIGATION CHALLENGE



**8-13 GtCO₂e mitigation gap by 2020
to stay below 2°C**

-50% by 2050 below 1990 levels

Energy
security,
jobs,
growth
potential

Renewables
expansion:
energy
markets,
grid...

Carbon
price,
investment
incentives

Urban
planning,
modal
shift, new
techno

The European Union climate policy – two main dimensions:

- International
- Domestic

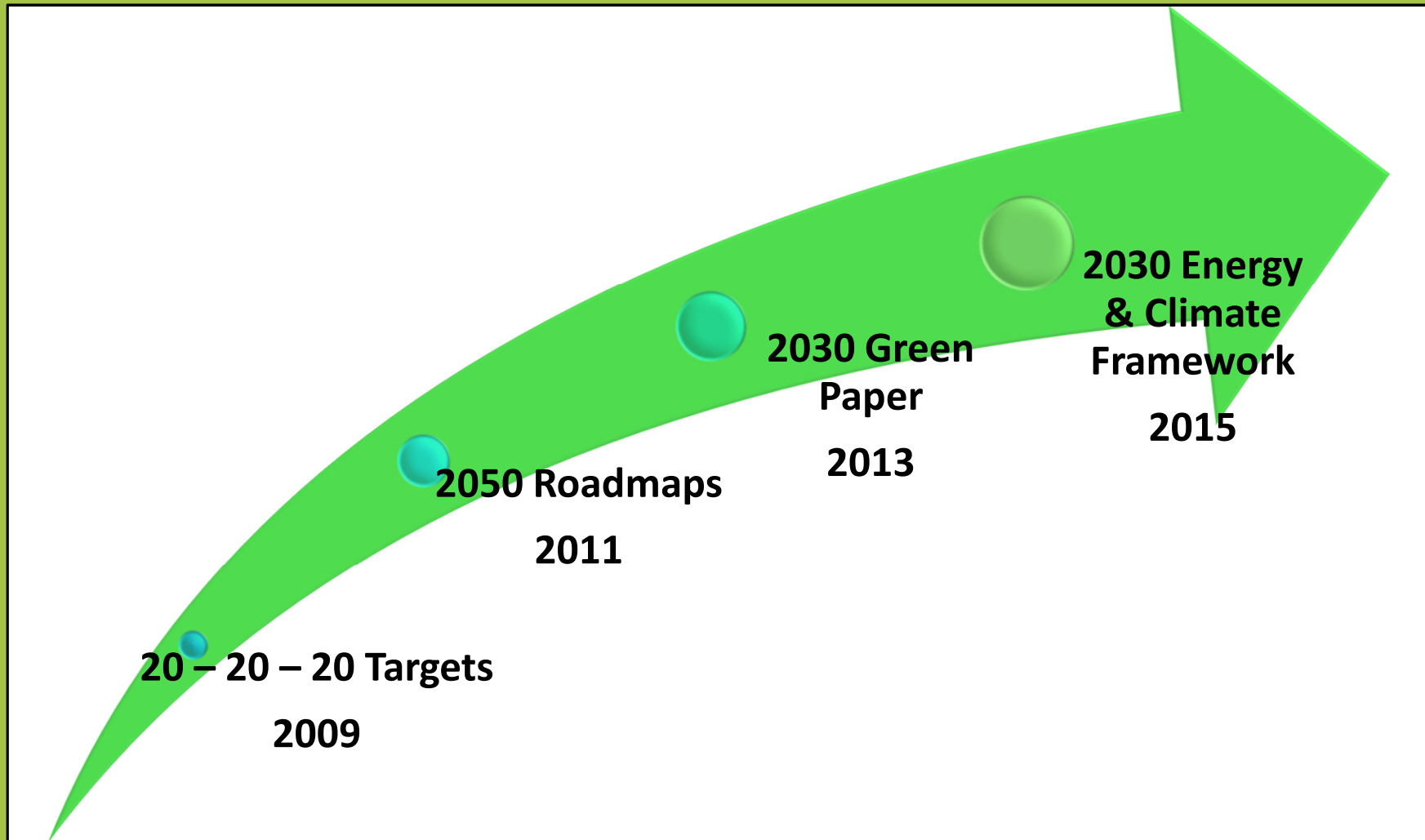
As a Party to the UNFCCC and the KP:

- EU-15 have a collective target under the Kyoto Protocol of -8% reduction compared with Kyoto base year (mostly 1990)
- Other 10 Member States have similar targets
- Cyprus and Malta have no targets

Low emission development strategy to identify pathways, direct innovation, investments, realize opportunities

LEDS EXAMPLES IN EUROPE

EU LEDS DEVELOPMENT PATH



LEDS EXAMPLES IN EUROPE – THE EU LEVEL

20-20-20 Targets

Adopted by 2009, the Climate and Energy Package is a set of EU legislative measures, designed to reach three core targets by 2020 ("20-20-20 by 2020"):

- 20% reduction in EU greenhouse gas emissions from 1990 levels;
- 20% increase in the share of EU energy consumption produced from renewable resources;
- 20% improvement in the EU's energy efficiency

It contains four core legislative acts:

- Revised Emissions Trading System (EU ETS) Directive
- Effort Sharing Decision (ESD)
- Renewable Energy Directive and
- Carbon Capture and Storage Directive

One of the 5 targets of Europe 2020 - EU's strategy for the decade on smart, sustainable and inclusive growth

LEDS EXAMPLES IN EUROPE – THE EU LEVEL

20 – 20 – 20 Targets

Reduce greenhouse gas levels by 20%



Estimate
in 2020:
-24%

Increase share of renewables to 20%



Estimate
in 2020:
21%

Reduce energy consumption by 20%



Estimate
in 2020:
-17%

LEDS EXAMPLES IN EUROPE – THE EU LEVEL

Road Map 2050

The first extensive global and EU analysis on how the long term target can be reached:

- identifies cost-effective pathway, with intermediate milestones
- identifies key technologies guiding R&D
- identifies investments needs & Benefits
- identifies opportunities and trade-offs
- guides EU, national and regional policies and gives direction to private sector and private households for long term investments

LEDS EXAMPLES IN EUROPE – THE EU LEVEL

Road Map 2050

Efficient pathway:

- -25% in 2020
- -40% in 2030
- -60% in 2040

80% domestic reduction by 2050 feasible (available tech)

Energy efficiency is the single most Important contribution

Current policies only result in

10% energy efficiency improvement efforts towards 20% efficiency target would deliver 25% GHG reduction

ETS is one instrument to deliver additional efficiency

