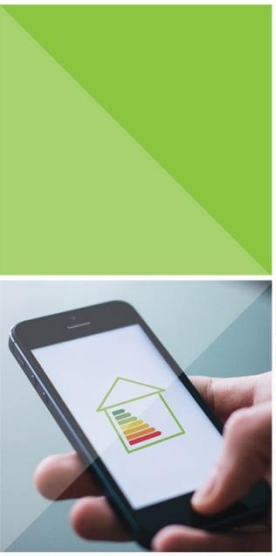
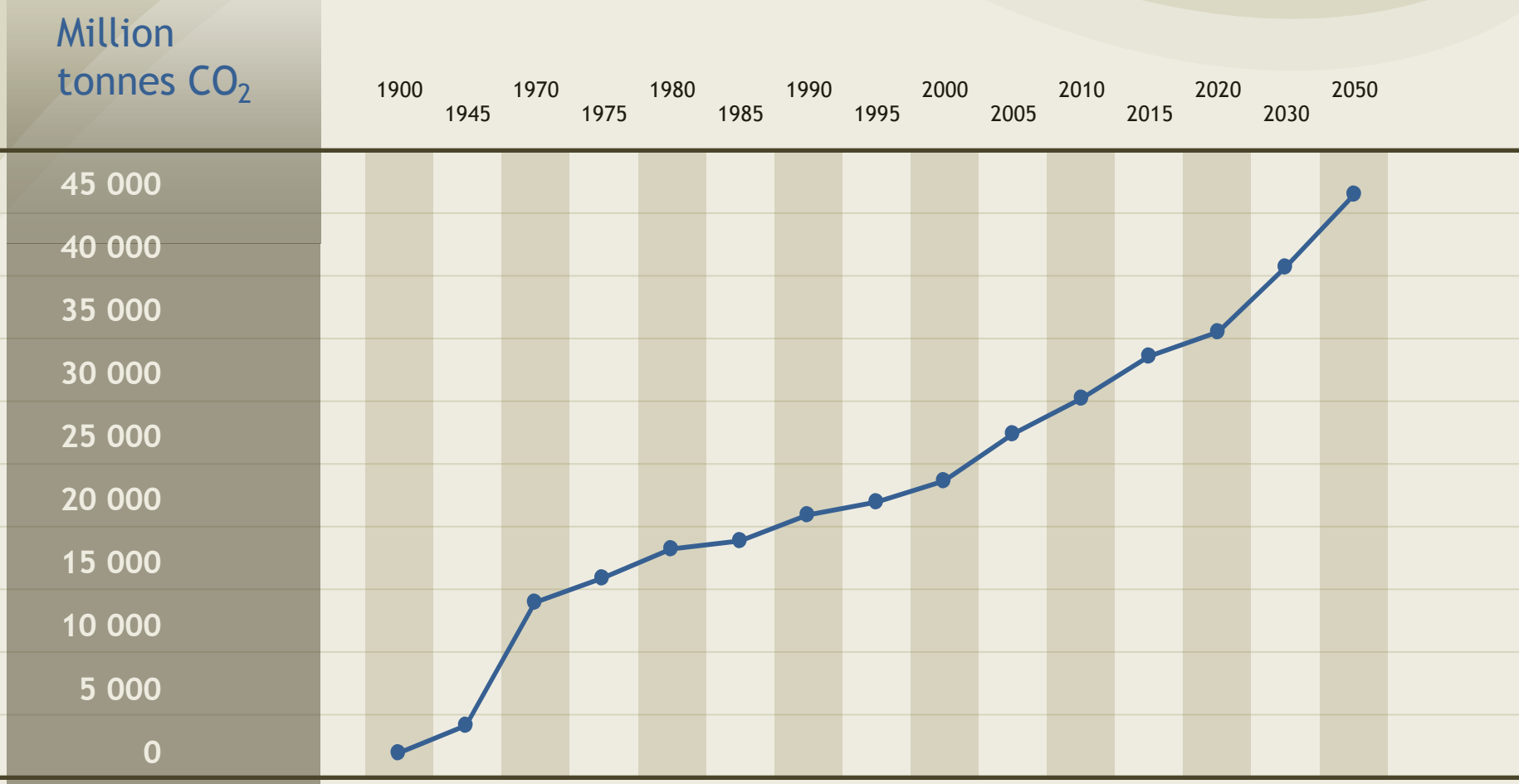





Energia neta per a tots els Europeus

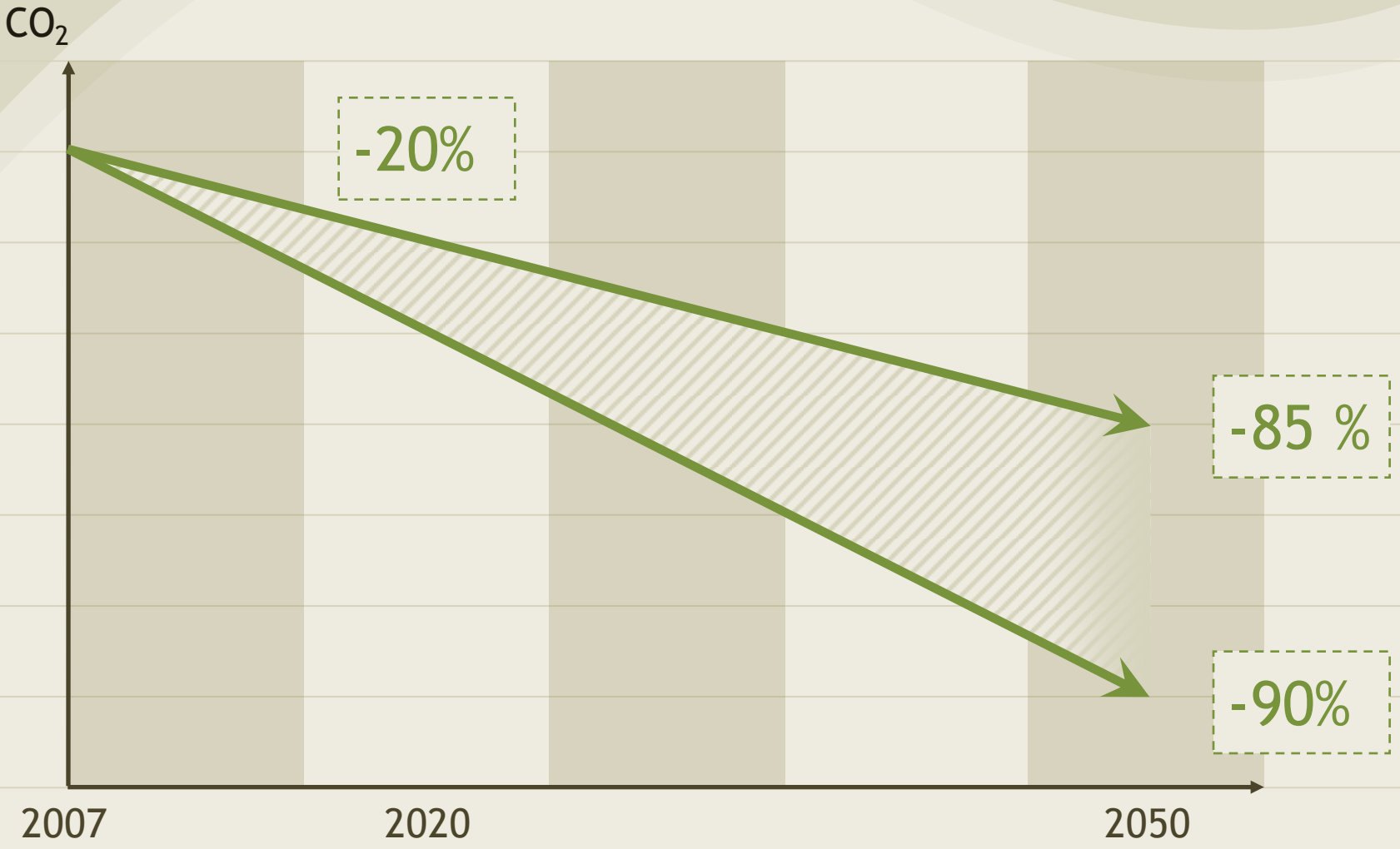
#EnergyUnion

Global CO_2 Emissions
From Energy Consumption



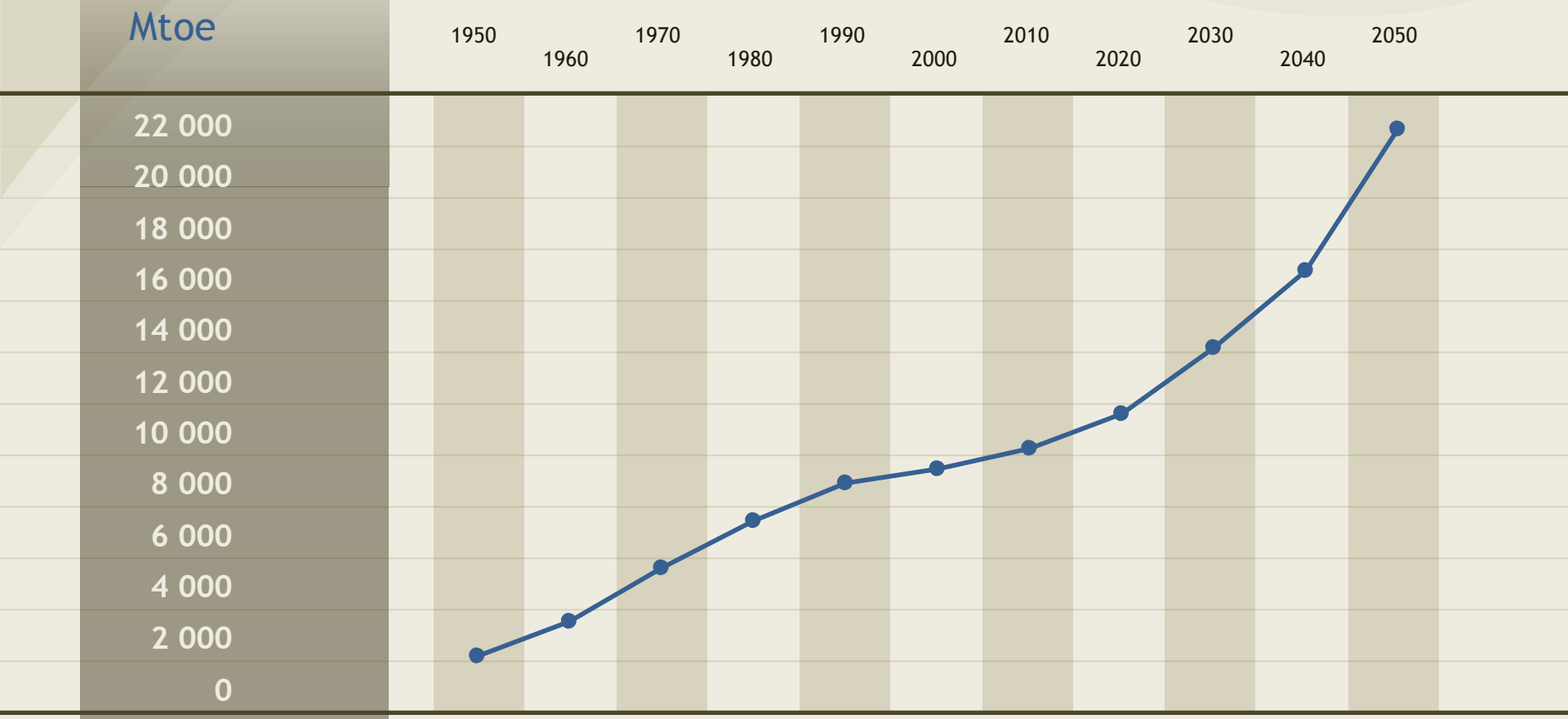
IEA: CO_2 emissions from fossil fuel combustion, 2006: from 1975 onwards
Carbon dioxide information analysis center, Oak Ridge National Laboratory, USA: until 1970, growth rates used for linking with IEA data
IEA: World Energy Outlook 2006
European Commission, DG RTD, World Energy Technology Outlook - 2050
(growth rates for extending series to 2050 and for missing years in IEA projections)

CO2 objectives for the EU



World Energy Demand

Total



Total

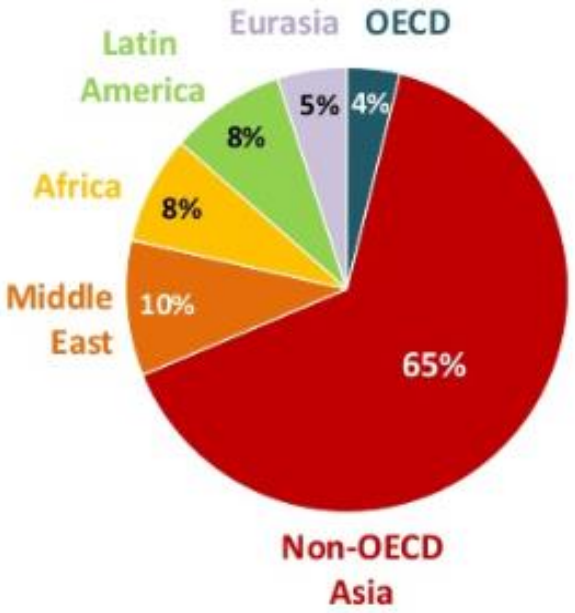
IEA statistical database 1975 - 2000; World Energy Outlook 2006; IEA World Energy Outlook 2006. BP Statistical Review of World Energy (without uncommercial energies): growth rates used for extending time series backwards for 1965 and 1970 as well as for the 2005 number. WETO-H_2 study (DG RTD): growth rates 2050/2030 used for extending IEA time series to 2050

The engine of energy demand growth moves to South Asia

WORLD ENERGY OUTLOOK 2013

Primary energy demand, 2035 (Mtoe)

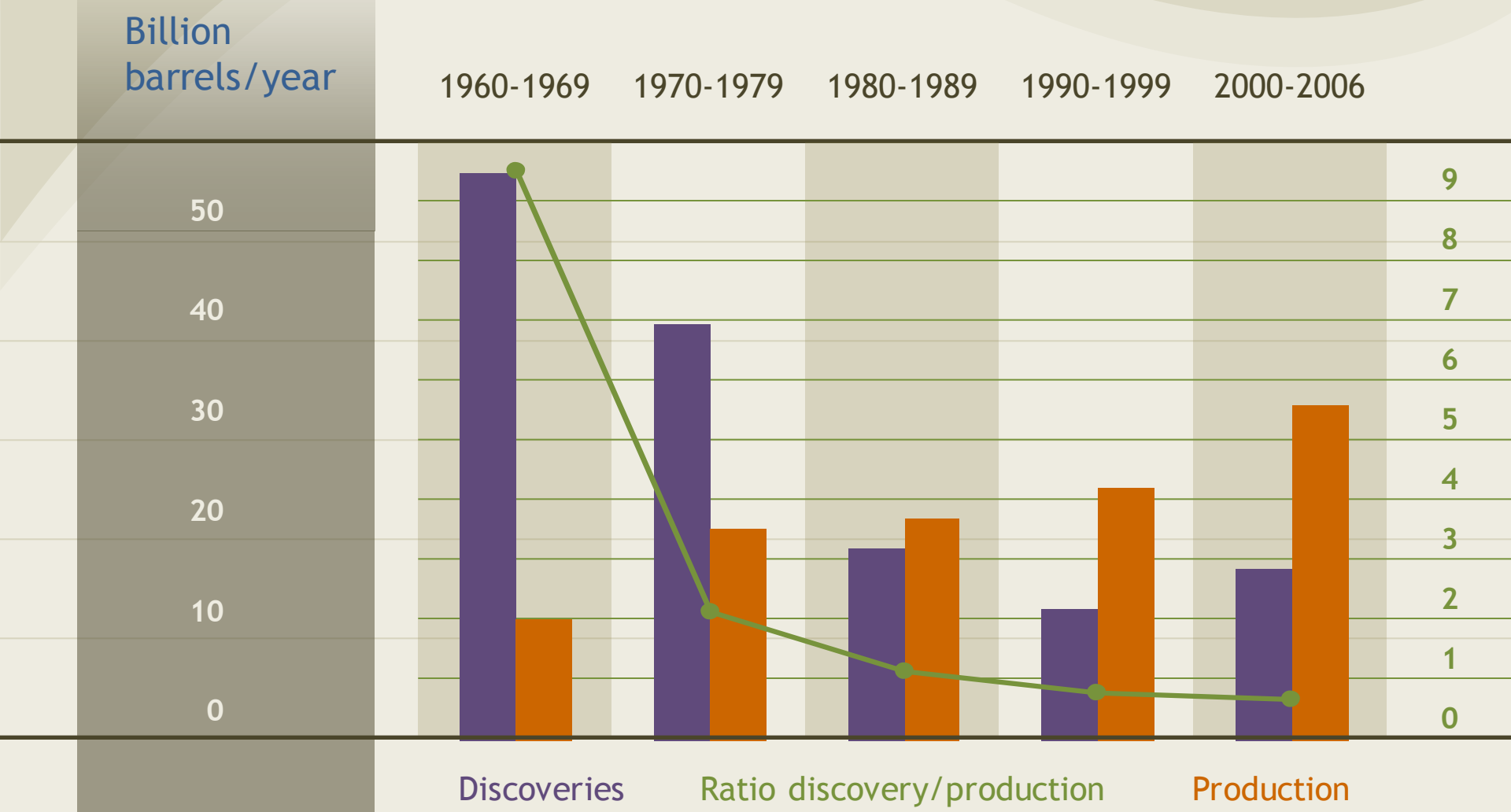
Share of global growth 2012-2035



China is the main driver of increasing energy demand in the current decade, but India takes over in the 2020s as the principal source of growth

World oil reserves

Oil discoveries and production, 1960-2006

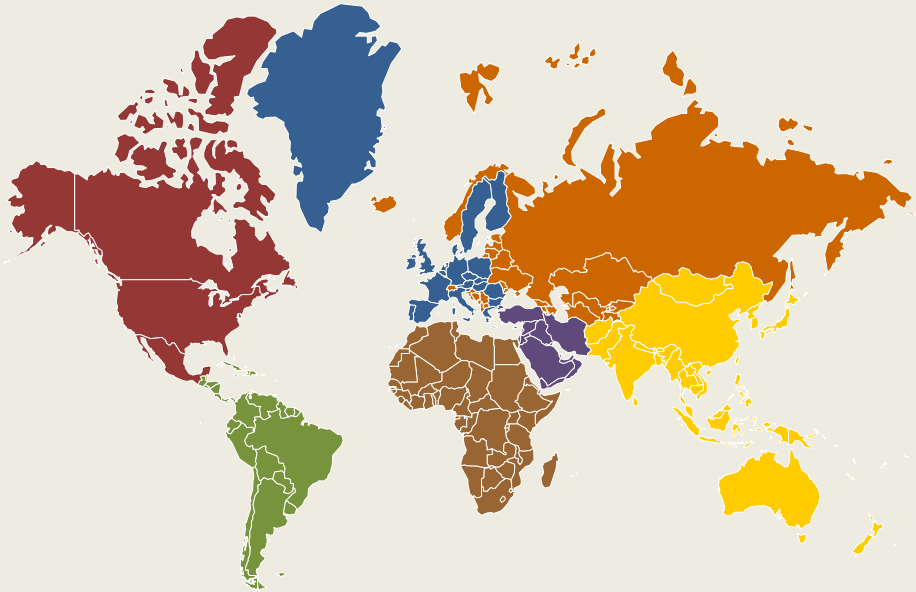


Source: World energy outlook 2008

Proven Oil Reserves
(end of 2008)

Billion barrels

- European Union
- Asia Pacific
- North America
- South & Central America
- Africa
- Russia & other Eurasian countries
- Middle East

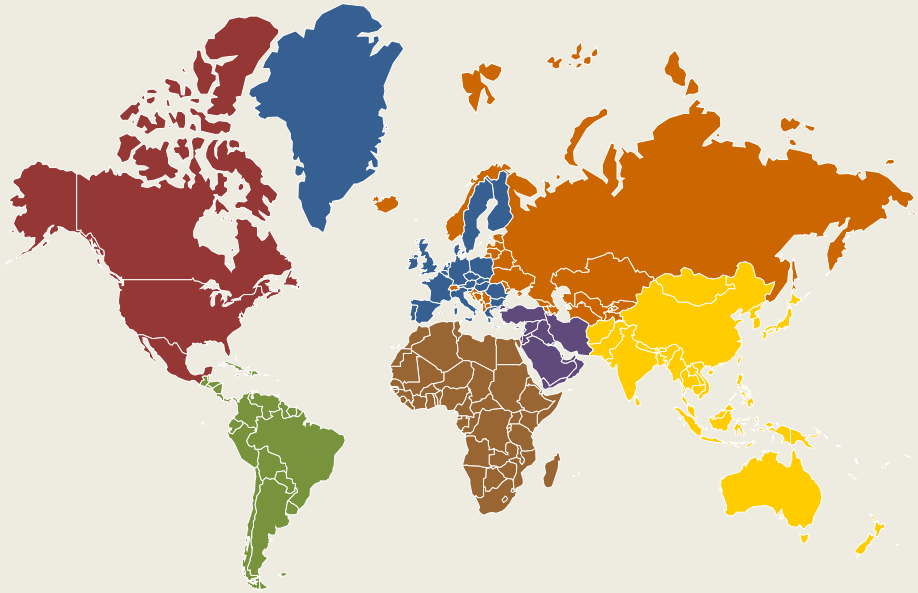


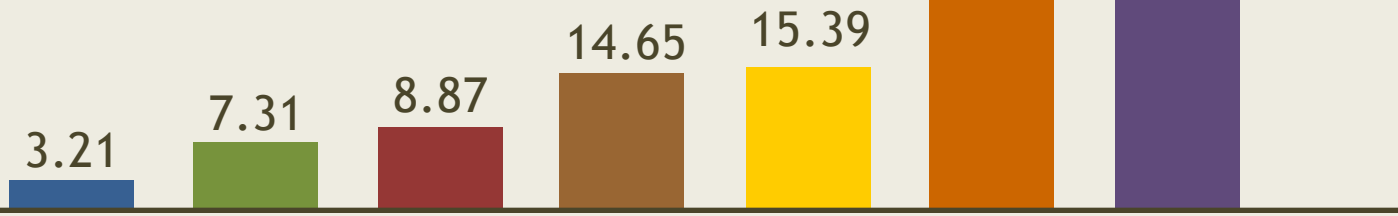
Source: BP statistical review of world energy full report 2009

Proven Gas Reserves
(end of 2008)

Trillion
cubic metres

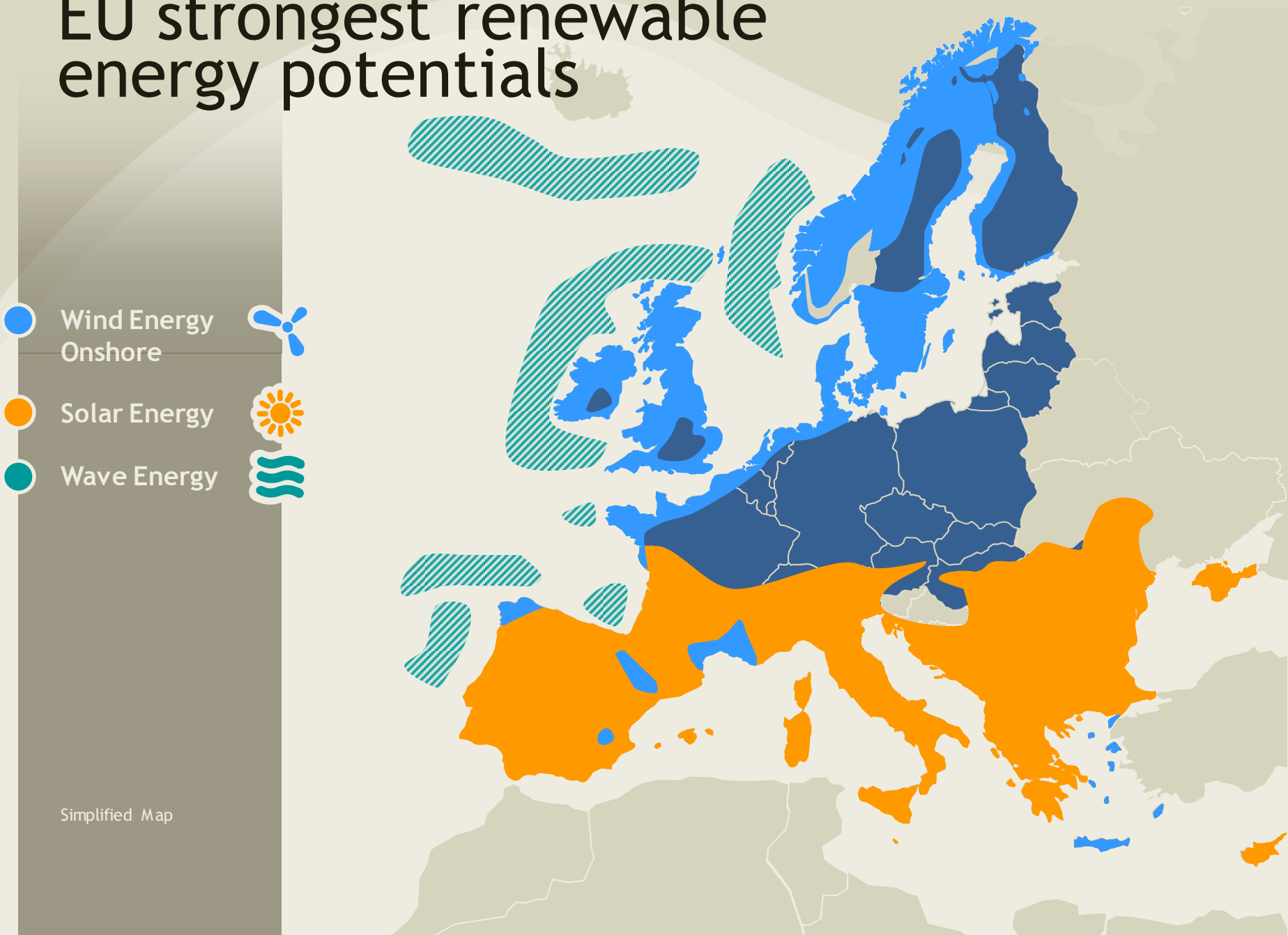
- European Union
- Asia Pacific
- North America
- South & Central America
- Africa
- Russia & other Eurasian countries
- Middle East





Source: BP statistical review of world energy full report 2009

EU strongest renewable energy potentials



TRANSITION TO A CLEAN ECONOMY

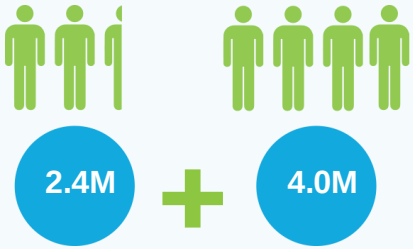
CLEAN ENERGY IS THE GROWTH OF TOMORROW

EU's renewable energy sector created in 2014 an annual turnover of around **143.6 billion EUR**

Source: EurObserv'ER

EU companies have a share of **40% of all patents** for renewable technologies

Source: European Parliamentary Research Service



2.4 million Europeans are employed in sectors providing energy efficiency products and services.
More than **1 million people** work in the renewable energy sector, with potentially **3 million more jobs by 2020**

Source: European Commission

European Commission


A low Carbon Future
Increasing Import Dependency

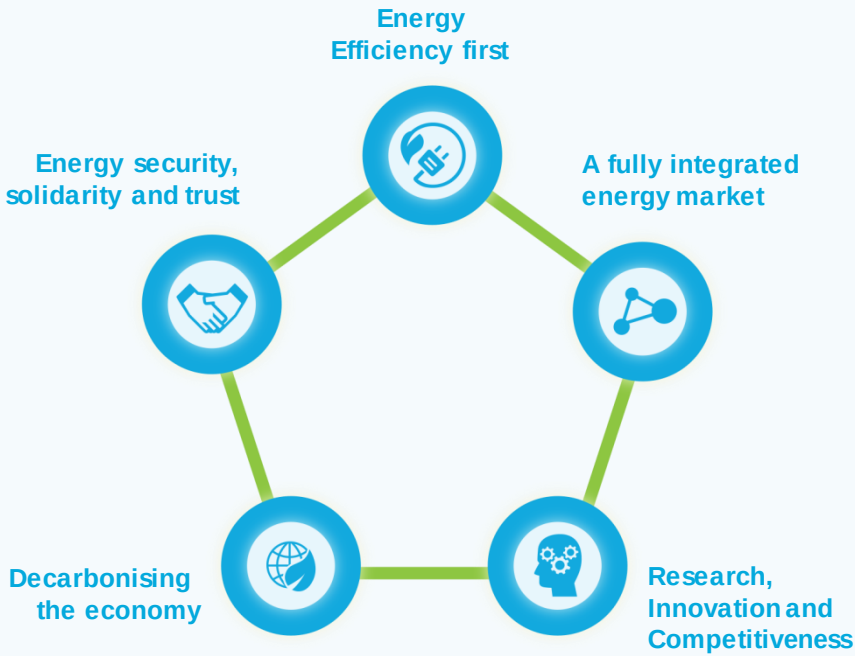
CHALLENGES AND OPPORTUNITIES

Modernise our economy by bringing down greenhouse gas emissions while creating jobs and growth

The EU as the **world leader on renewable energy and placing energy efficiency first** based on new technologies and industrial leadership

Ensure a socially fair transition where regions, cities and consumers play an active role

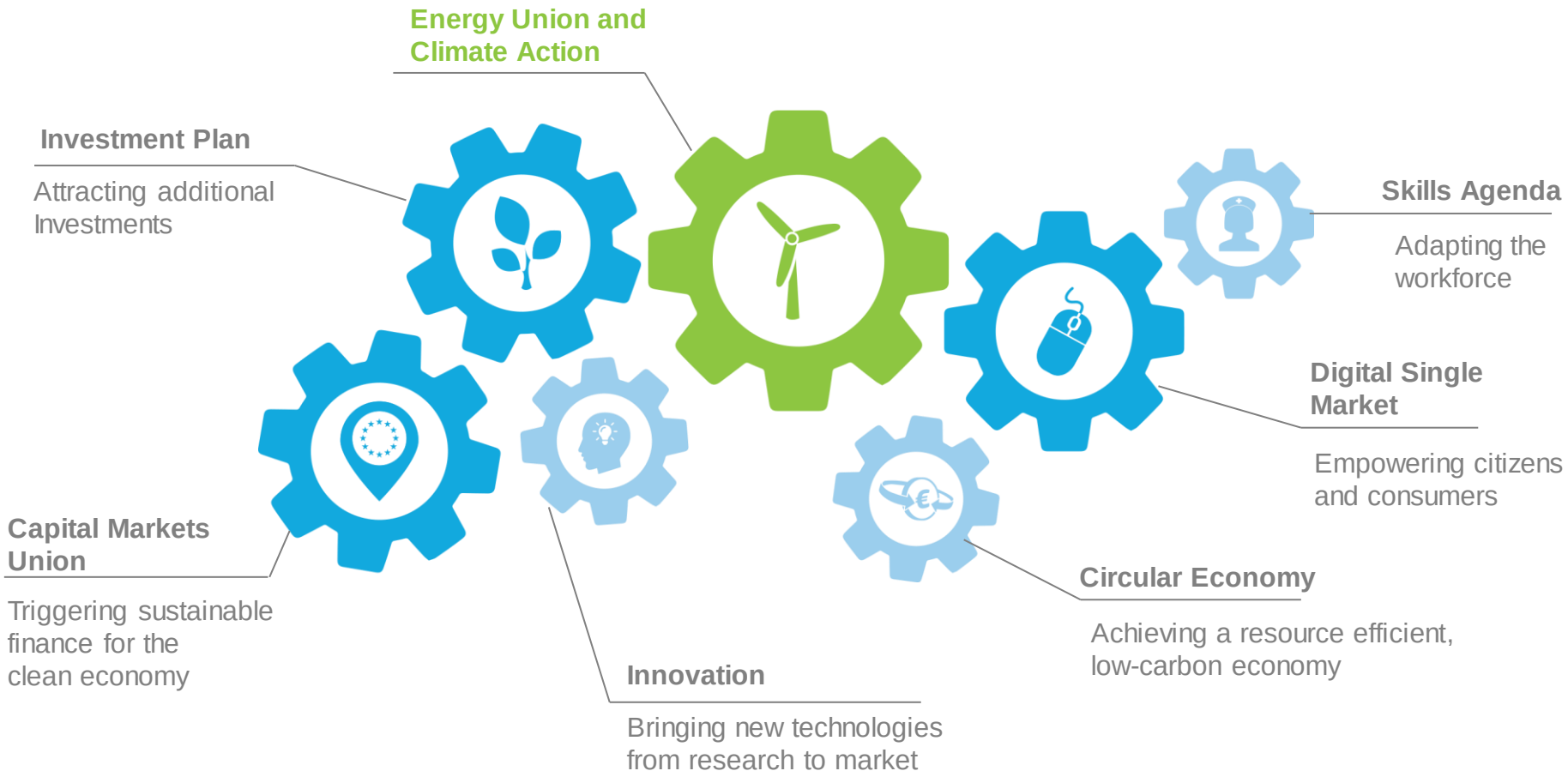
ENERGY UNION STRATEGY



European Commission

MODERNISATION OF THE ECONOMY

ROLE OF THE ENERGY UNION AND CLIMATE ACTION



European Commission

CLIMATE DELIVERABLES – PARIS AND BEYOND

PARIS AGREEMENT REQUIREMENTS

Ratification by:

55

parties

Of 197 parties to the convention

Representing:

55%

Global greenhouse gas emissions

EU TRIGGERS PARIS AGREEMENT

EU ratification:

>55%

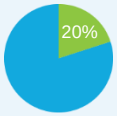
Takes us across emissions threshold

PARIS2015
UN CLIMATE CHANGE CONFERENCE
COP21·CMP11

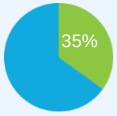
European Commission

CLIMATE DELIVERABLES

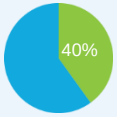
FINANCIAL SUPPORT AND INVESTMENTS



20% of the EU budget goes to **climate-related expenditure**



Climate-related expenditure will exceed **35% of the overall Horizon 2020 budget**



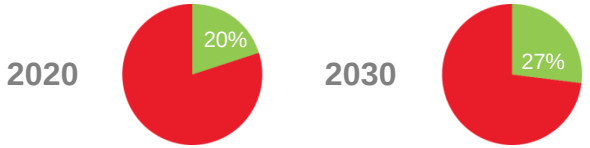
At least 40% of the European Fund for Strategic Investments (EFSI) will support **projects with components that contribute to climate action**

European External Investment Plan, supporting energy projects in Africa and in the Neighbourhood

CUT GREENHOUSE GAS EMISSIONS BY AT LEAST 40%

(Compared to 1990)

INCREASE THE SHARE OF RENEWABLES IN THE ENERGY MIX TO AT LEAST 27%



IMPROVE ENERGY EFFICIENCY BY AT LEAST 27%

(Compared to the "Business-as-usual" scenario)

European Commission

NEXT STEPS

EU implements the **Paris Agreement on Climate Change**

Adopting and implementing the **Energy Union and Climate Change** proposals

Implementing the **Strategy on low-emission mobility**

Accelerating **clean energy innovation and global competitiveness**

Working on **sustainable finance** and investments

Strengthening the **EU's enabling environment** for the transition to a clean economy

European Commission

Moltes gràcies!