



MINISTRY OF INDUSTRY, ENERGY AND MINES TUNISIA

Energy Efficiency development in Tunisia

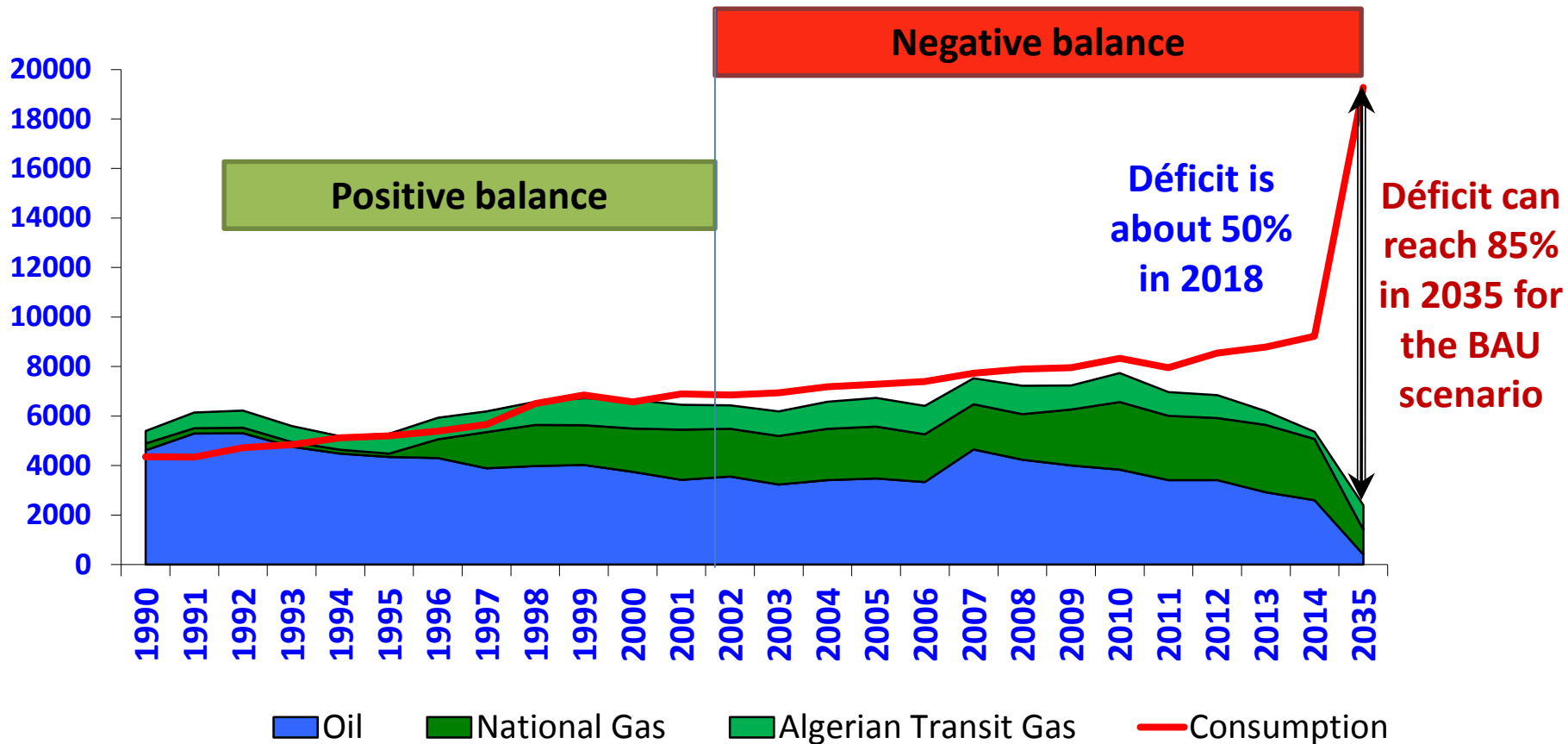
Webinar, 11 October 2018

Eng. Abdelhamid KHALFALLAH

ENERGY SITUATION

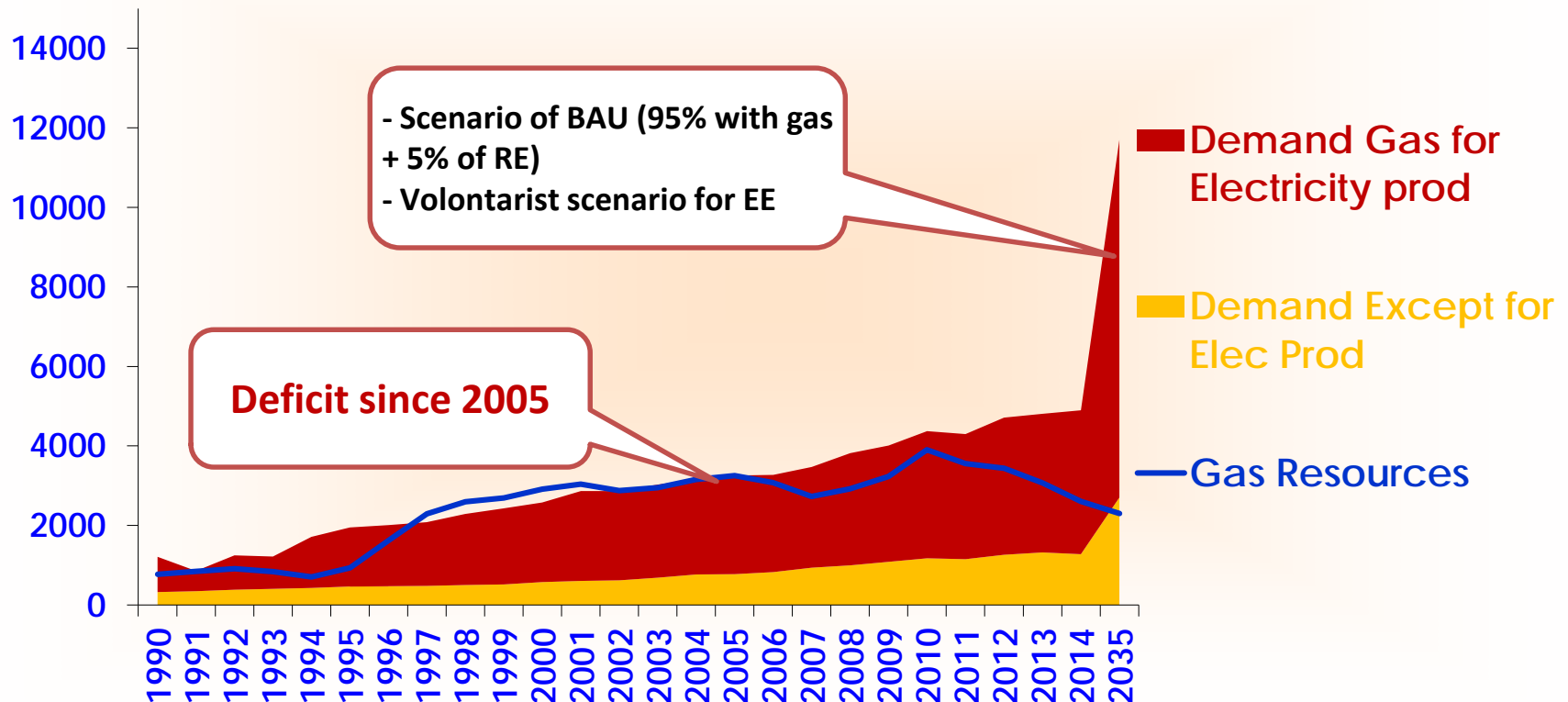
PRIMARY ENERGY RESOURCES (1990-2035)

PRIMARY ENERGY RESOURCES AND CONSUMPTION (ktoe)
1990-2035

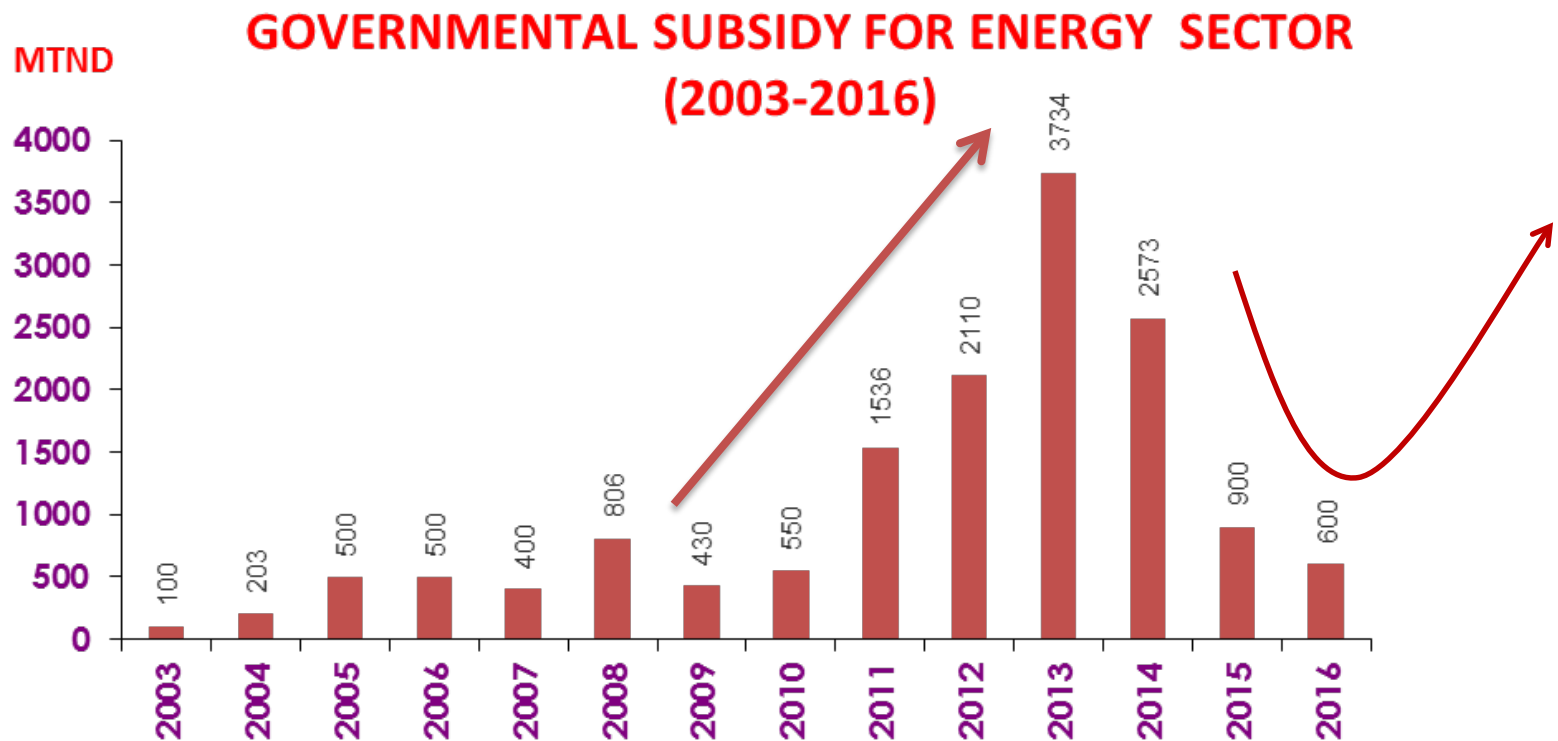


GAS DEMAND & RESOURCES (1990-2035)

GAS DEMAND & RESOURCES (ktoe)
1990-2035



ENERGY SUBSIDY (2003-2016)



In 2013 the subsidy for energy sector represents about 8% of GDP

ENERGY TRANSITION POLICY

NEW ENERGY TRANSITION POLICY of 2013

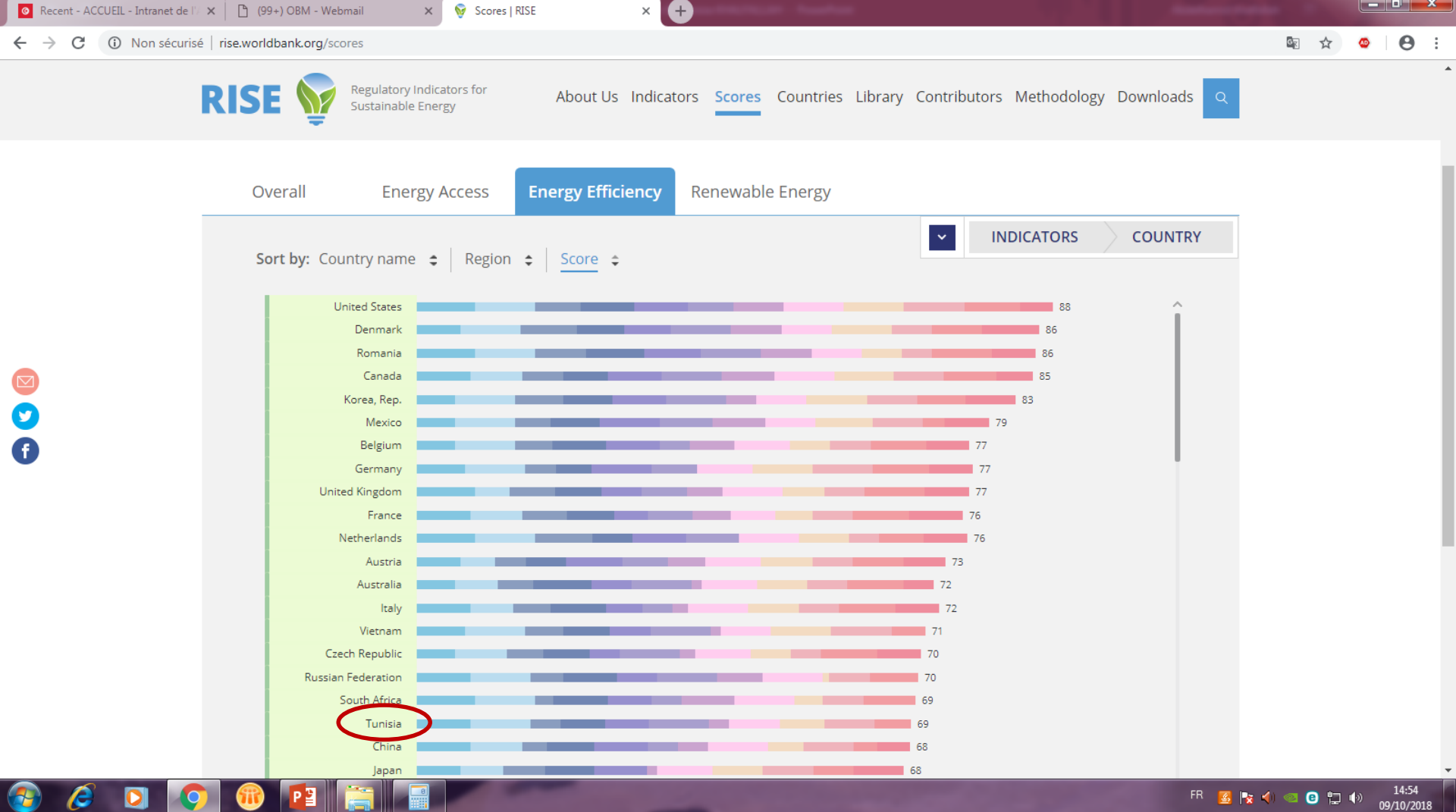
Vulnerable international energy market & geopolitical risks
Local risk of supply especially for electric sector (95% gas)
Energy independence in continuous decrease (now 59%)
Increase of the demand Vs Decrease of national resources
Huge subsidy dedicated for energy sector



New Energy Strategy (2013)

- ① **Development of Energy efficiency to control the demand**
- ② **Diversification of energy resources: renewable energy**
- ③ **Development of oil & gas exploration**
- ④ **Rationalization of subsidy**
- ⑤ **Reinforcement of electrical interconnections**

ENERGY EFFICIENCY



Tunisia is classified among 20 best countries in EE in the world, the 2nd in Africa, and the 1st in MENA region

What are
the
success
factors



1

A clear **institutional framework** through the establishment of the National Agency for Energy Conservation (ANME) since 1985

2

A very developed
regulatory framework

Law n°2004-72 / n°2009-7

Covering all EE activities
in all sectors

An attractive **incentive** framework:

- Creation of the **national fund for energy conservation** in 2005 giving subsidies for EE&RE projects, transformed in 2014 into the **energy transition fund**,
- Minimum **customs duty** and **VAT** exemption for raw material and semi-finished products used in EE goals

4

- Awareness programs
- Pricing policies:
continuous increase in
electricity and gas and PP
prices



5

Appropriate **financing framework**:
setting up of financing mechanisms
based basically on financing lines
with low rates and subsidies from
the government via the national
energy fund

6

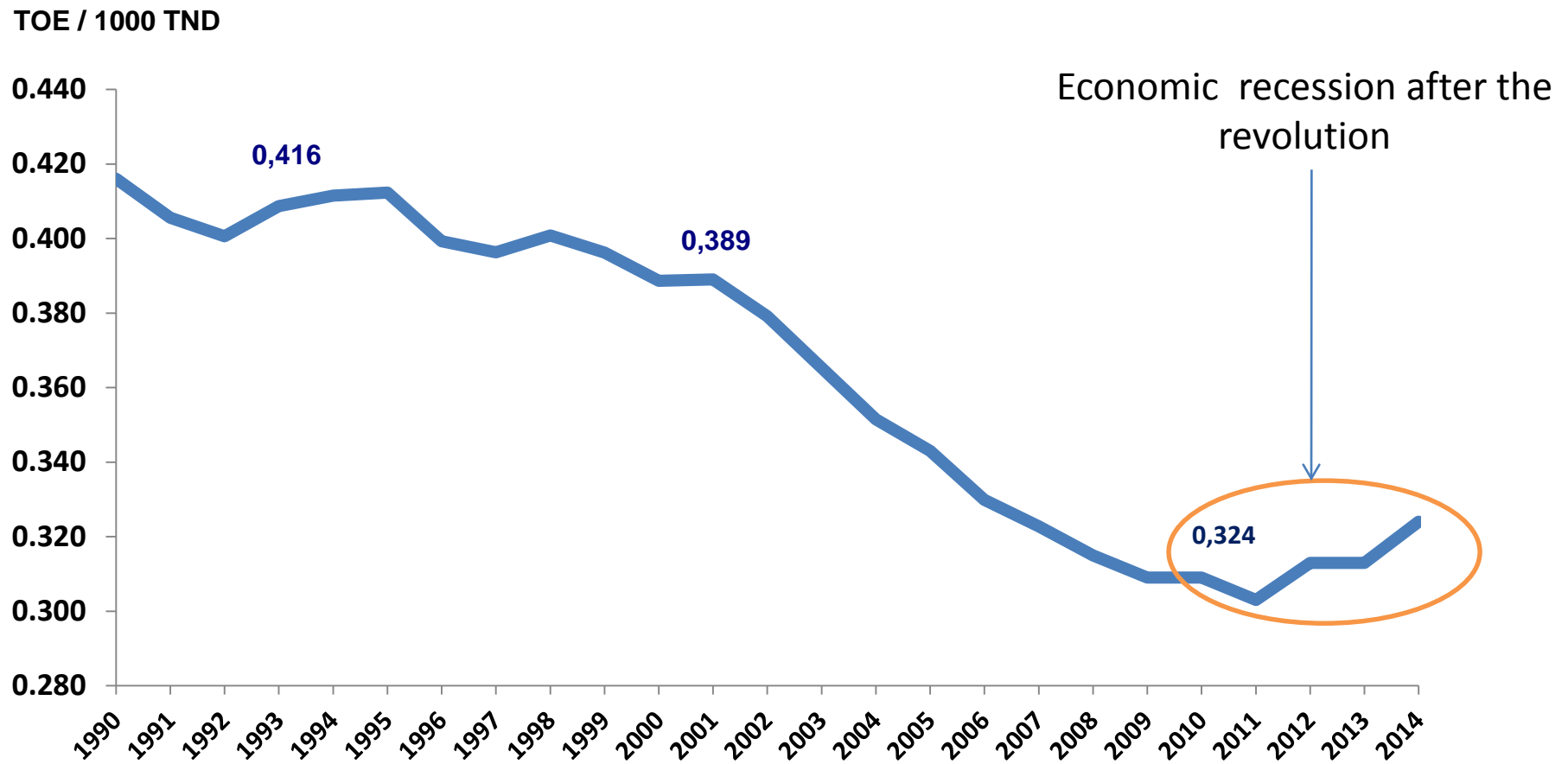
International cooperation:
technical assistance and
inspiration from best
practices and success
stories in other countries



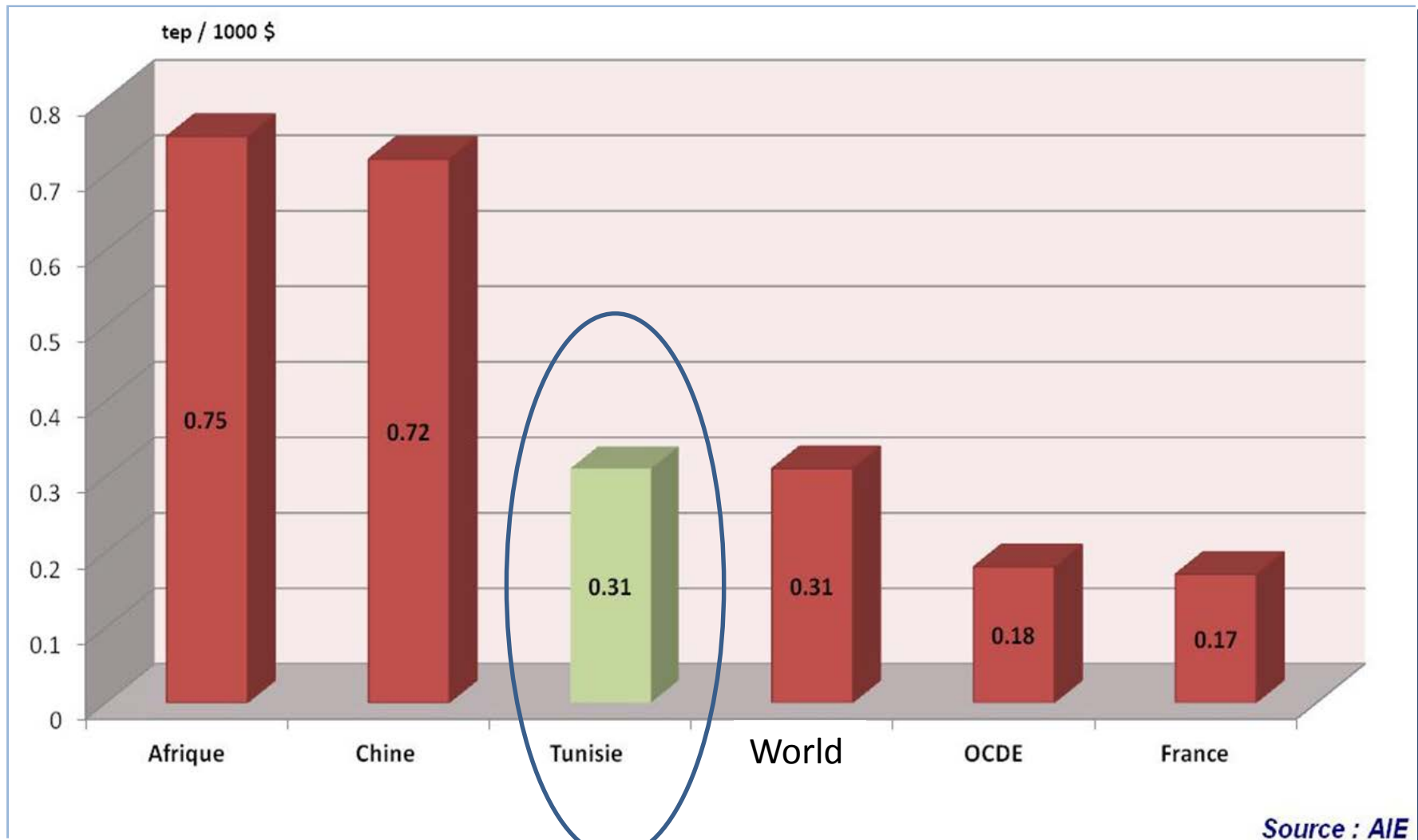
Mandatory auditing system

Global achievements

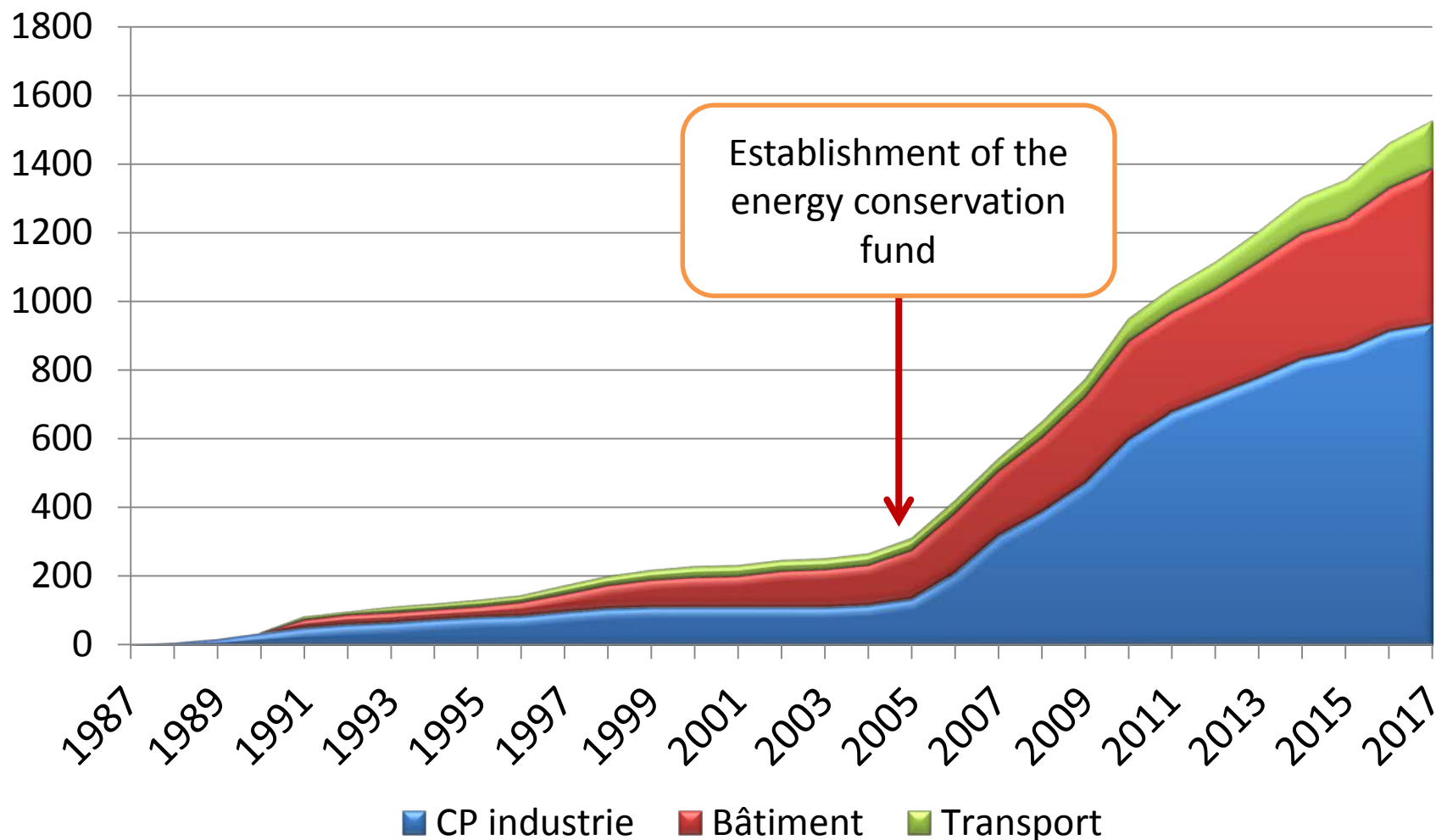
ENERGY INTENSITY IMPROVEMENT



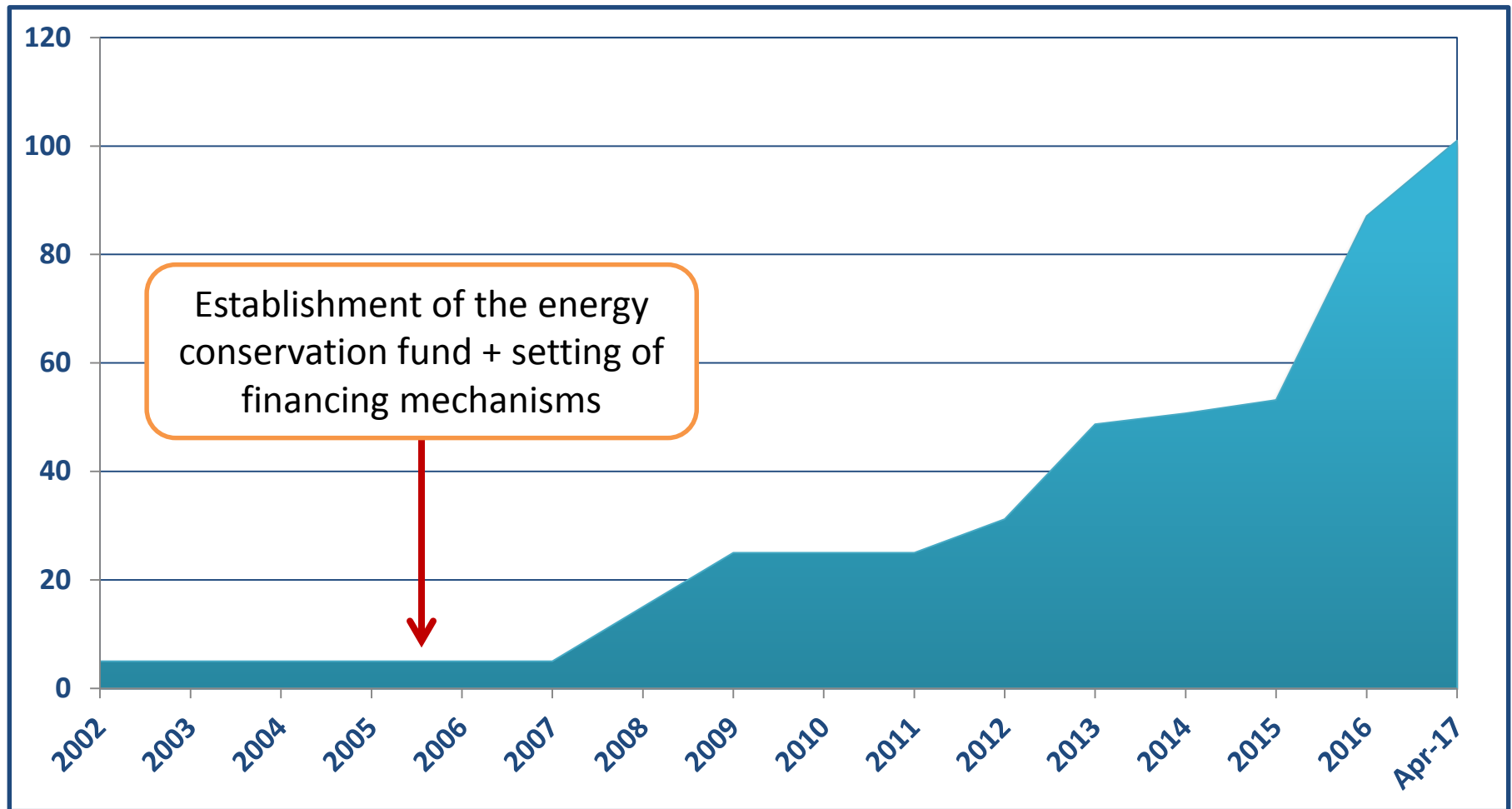
ENERGY INTENSITY: INTERNATIONAL POSITION



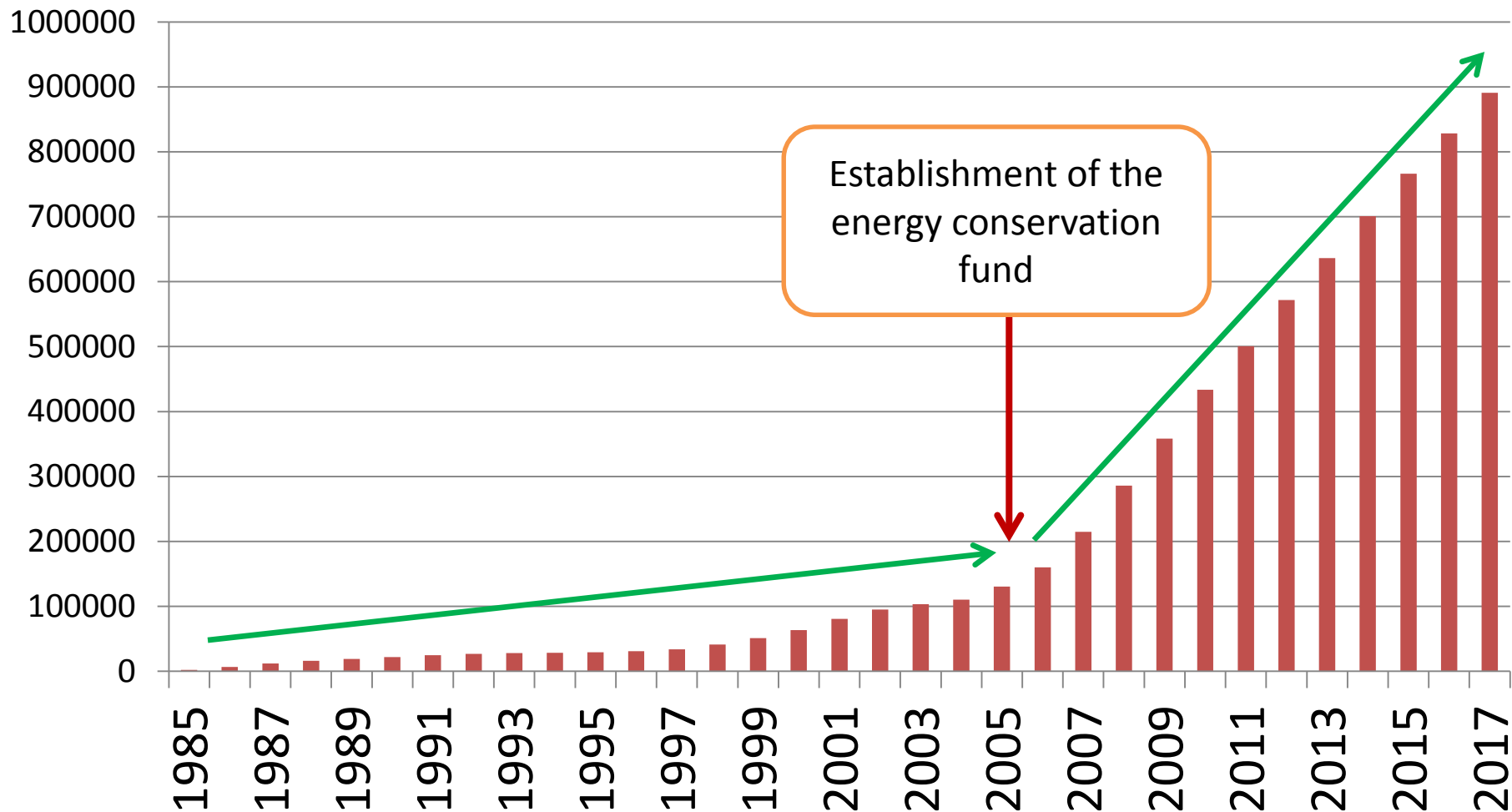
Cumulated number of program contracts For EE projects/activities



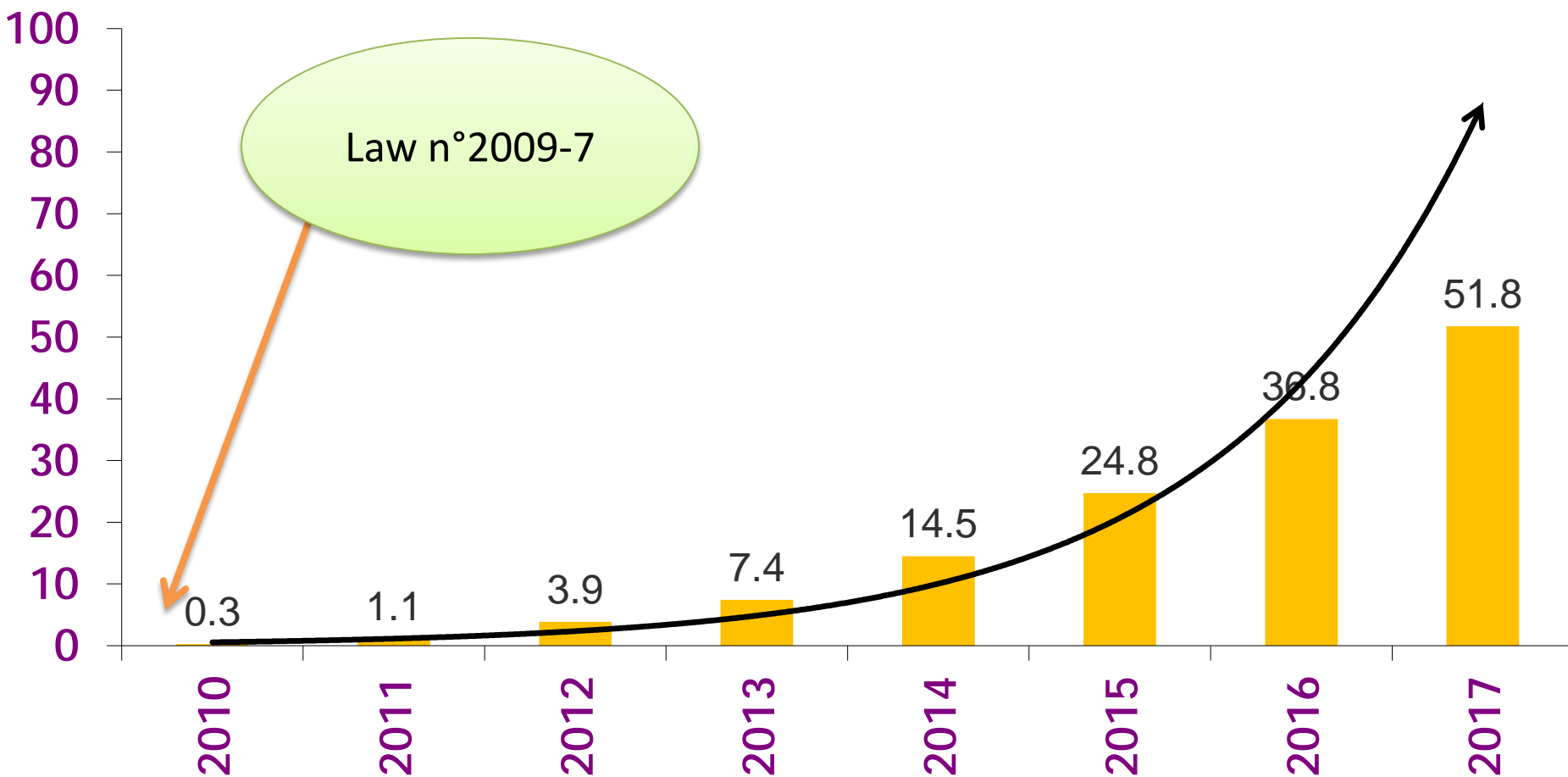
Capacity installed of cogeneration (MWe)



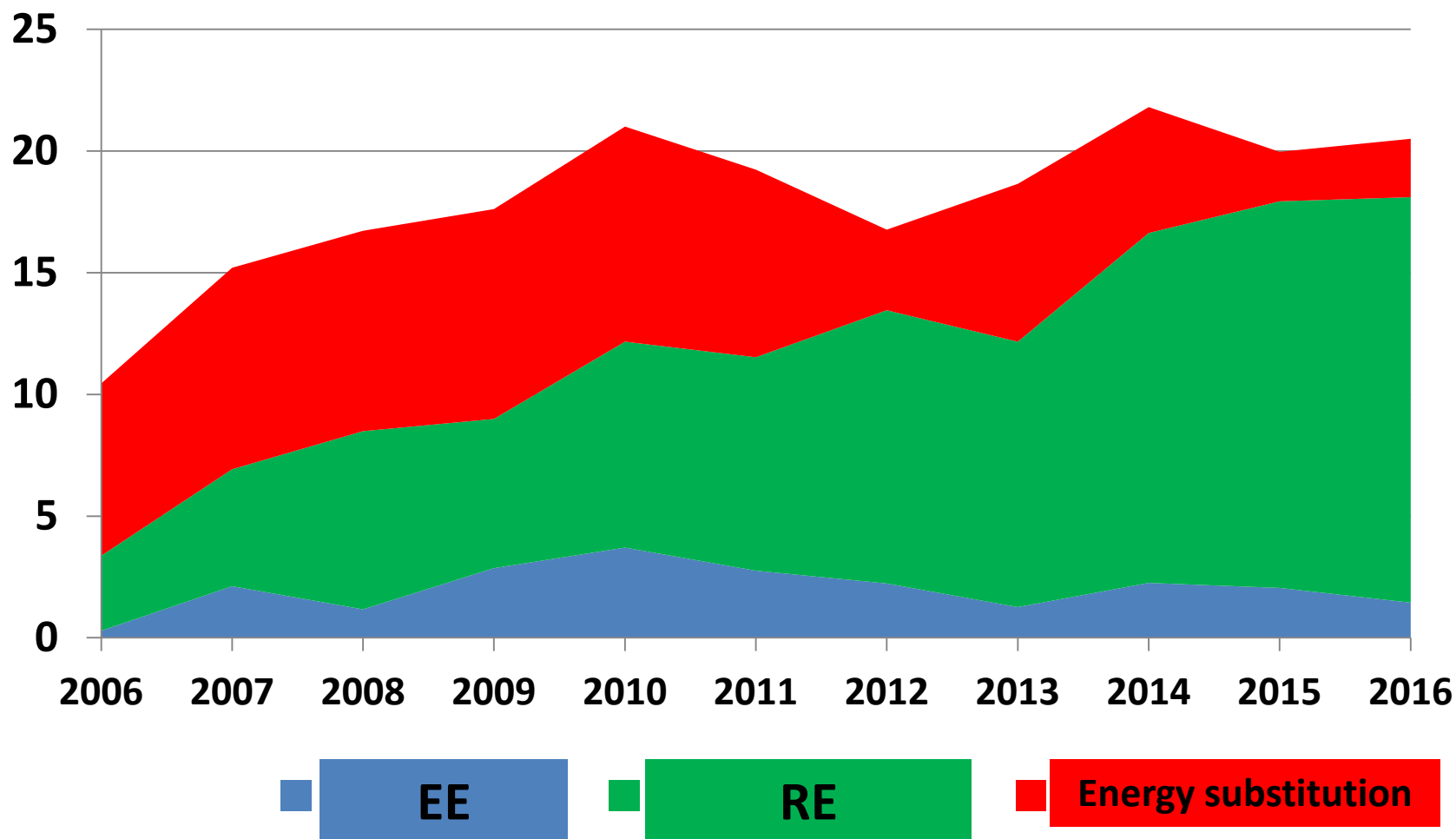
Cumulated Solar water heaters in residential sector (m²)



Cumulated installed capacity of Solar PV rooftops (MW)

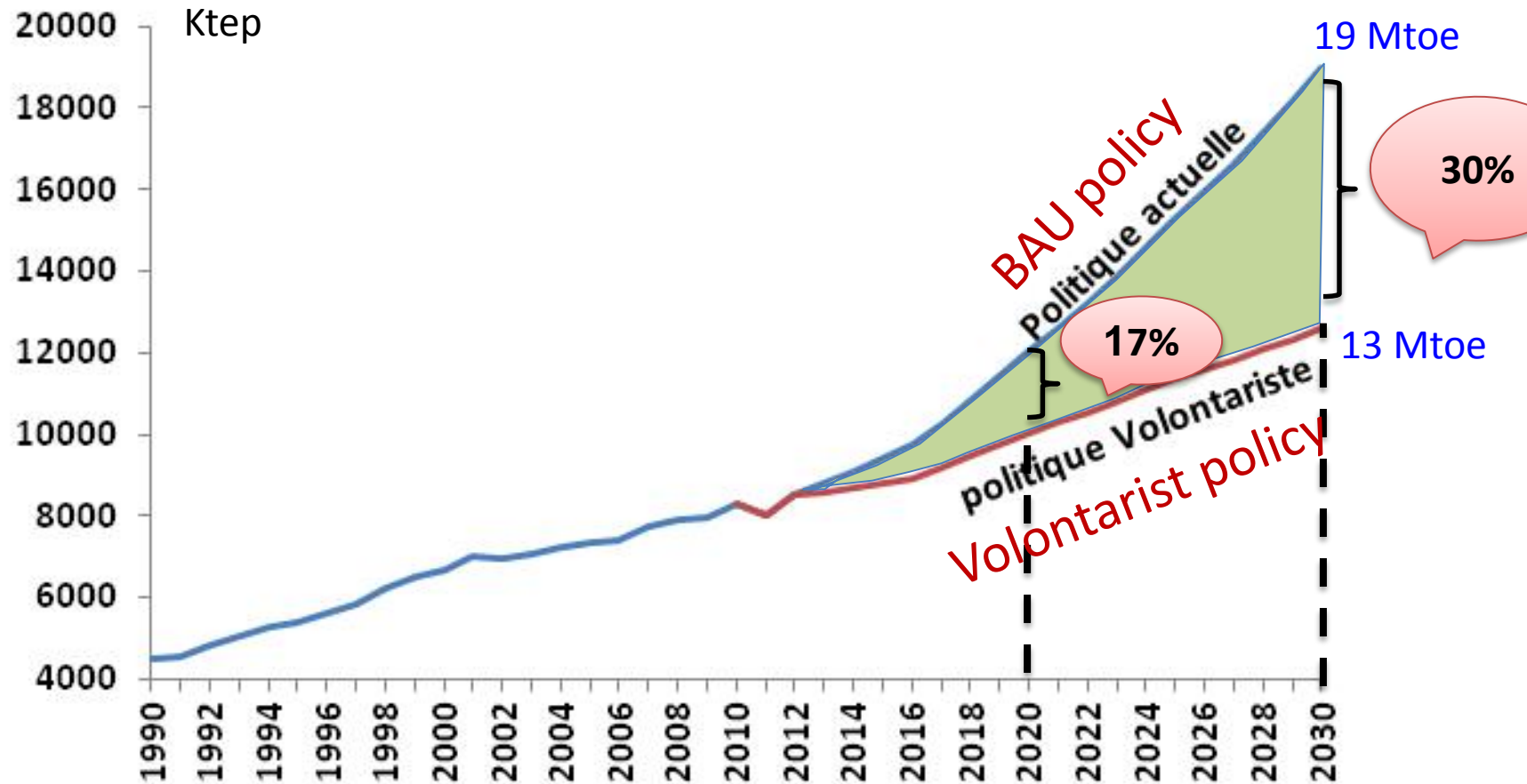


Annual expenditure of the national energy fund (MTND)



Future global targets

Primary energy demand in the horizon 2020-2030



شكرا

THANK YOU