



Republic of Tunisia

# Levers to raise NDC ambition in the energy sector in Tunisia

*December, 5 2019*

*CoP 25 Madrid*



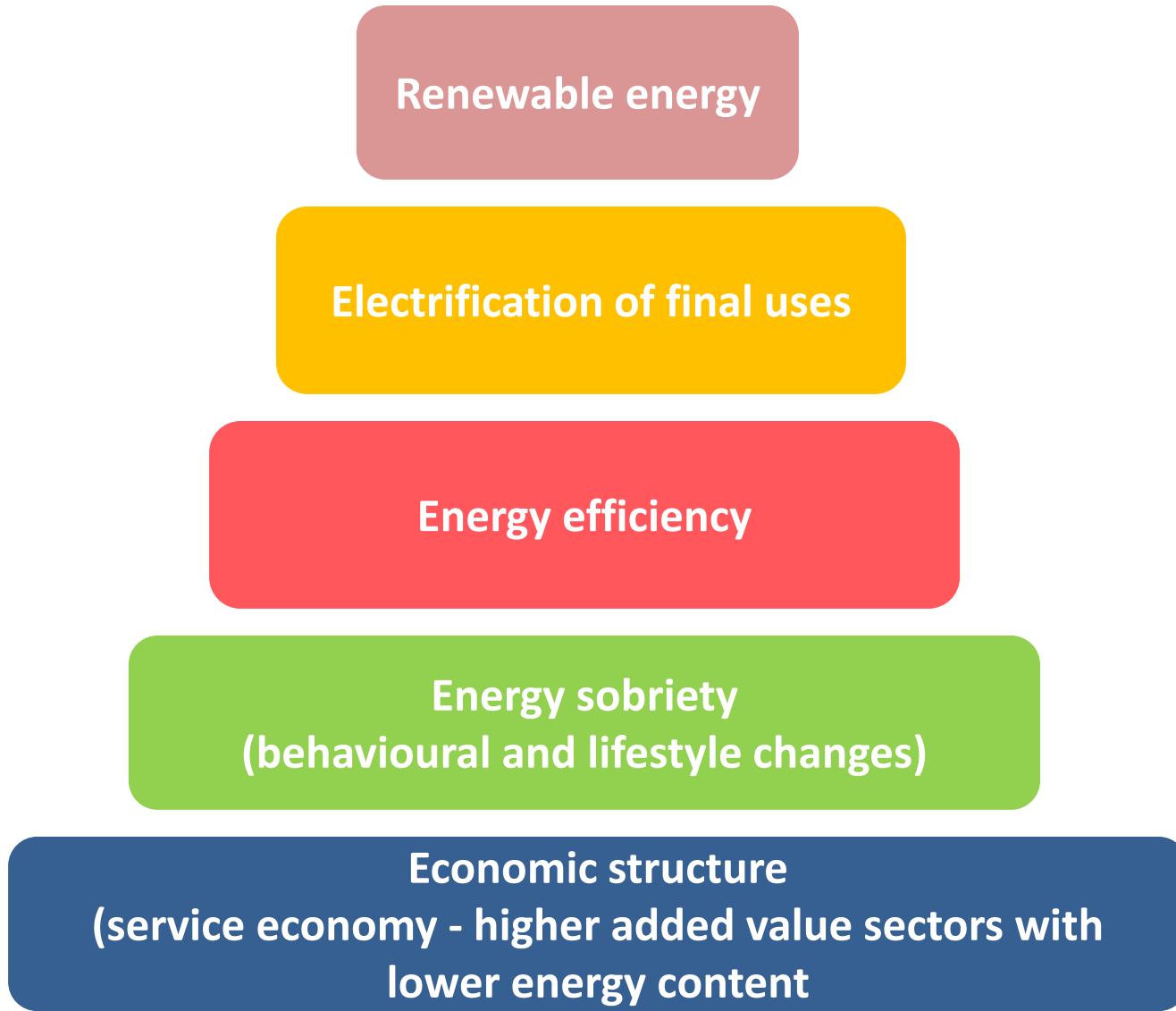
***Afef JAAFAR***

***Agence Nationale Pour la Maitrise de l'Energie***

Un engagement durable et renouvelable

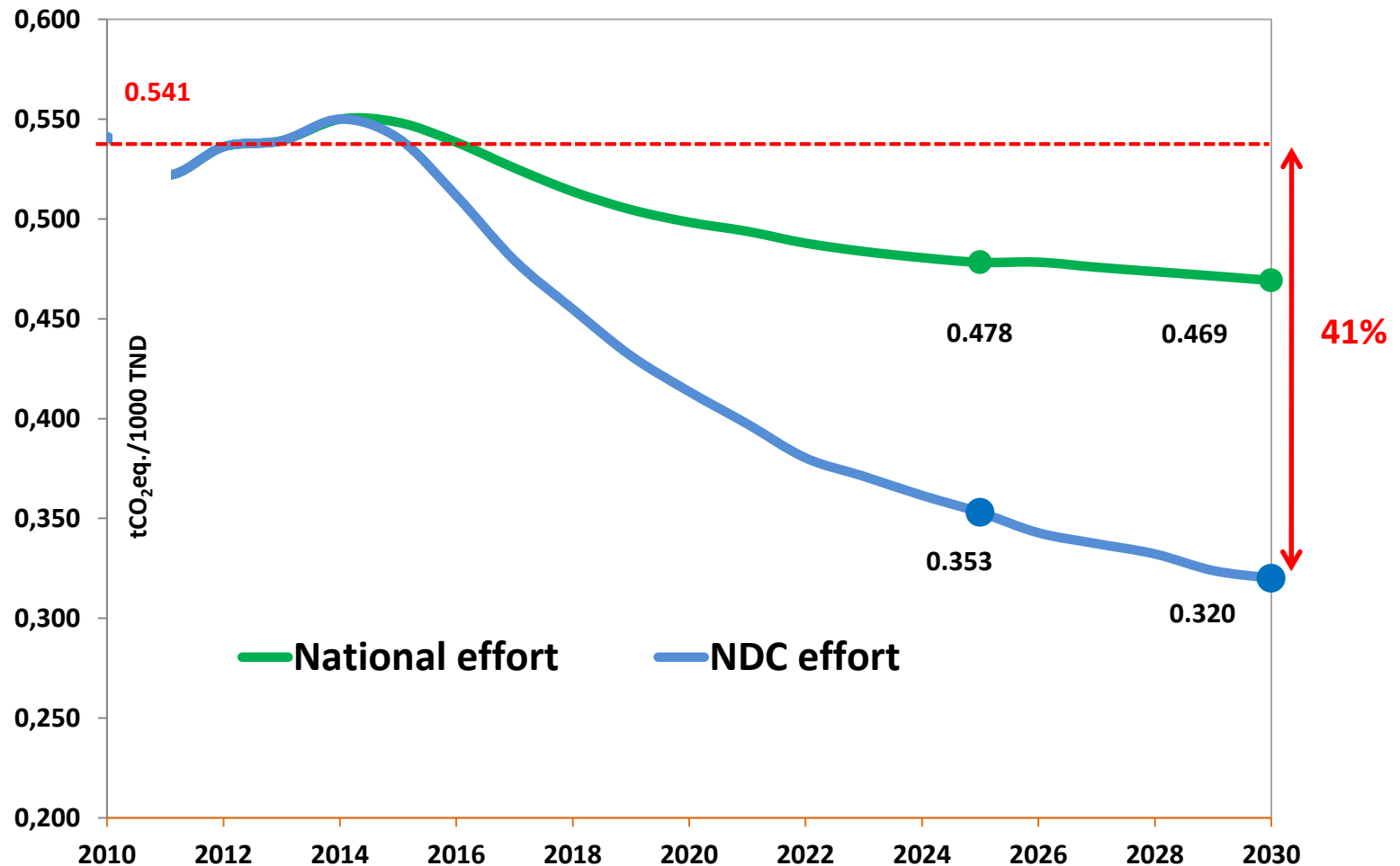
# *Global vision*





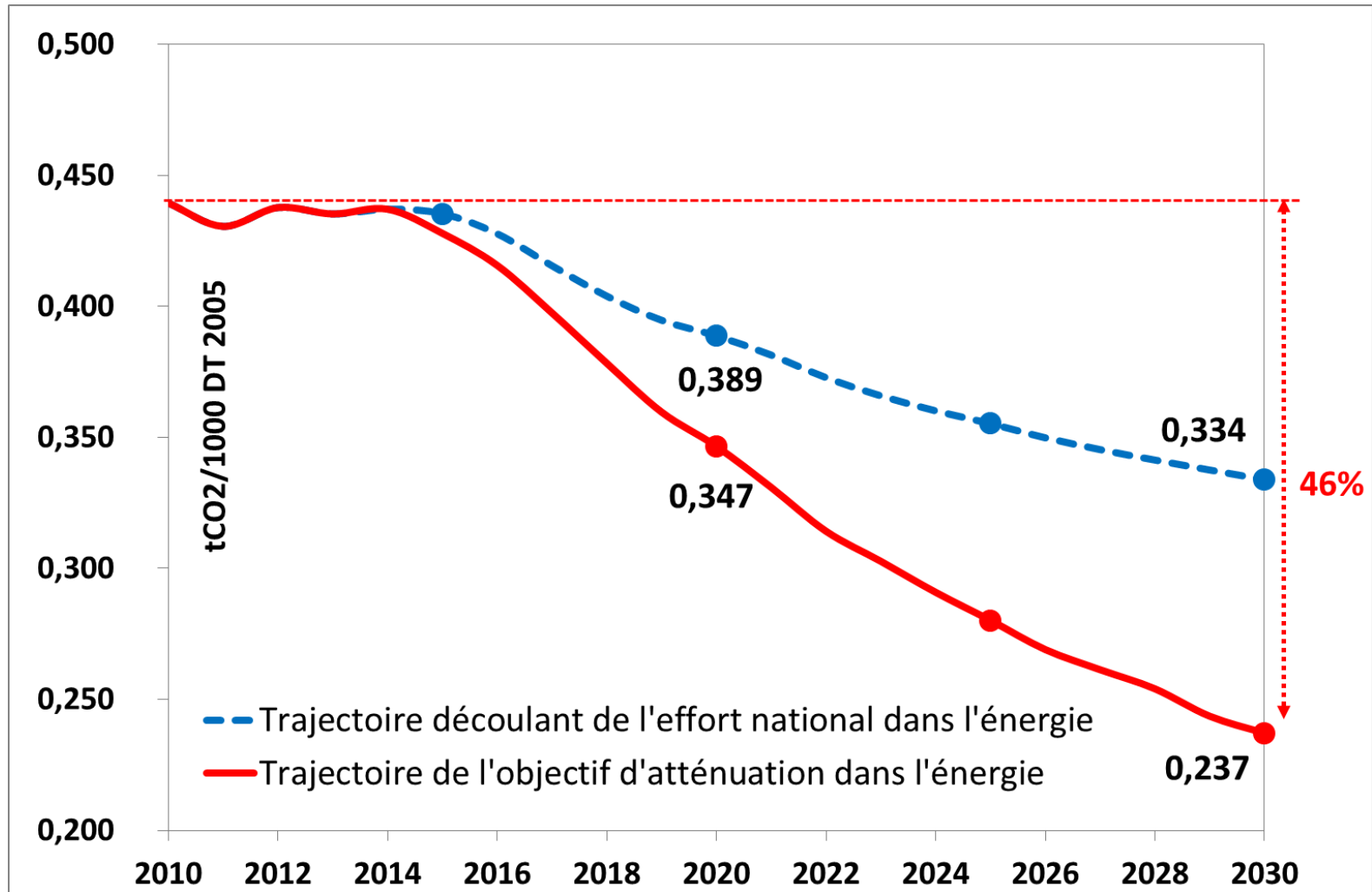
# ***Tunisian case***

# Tunisian NDC objective



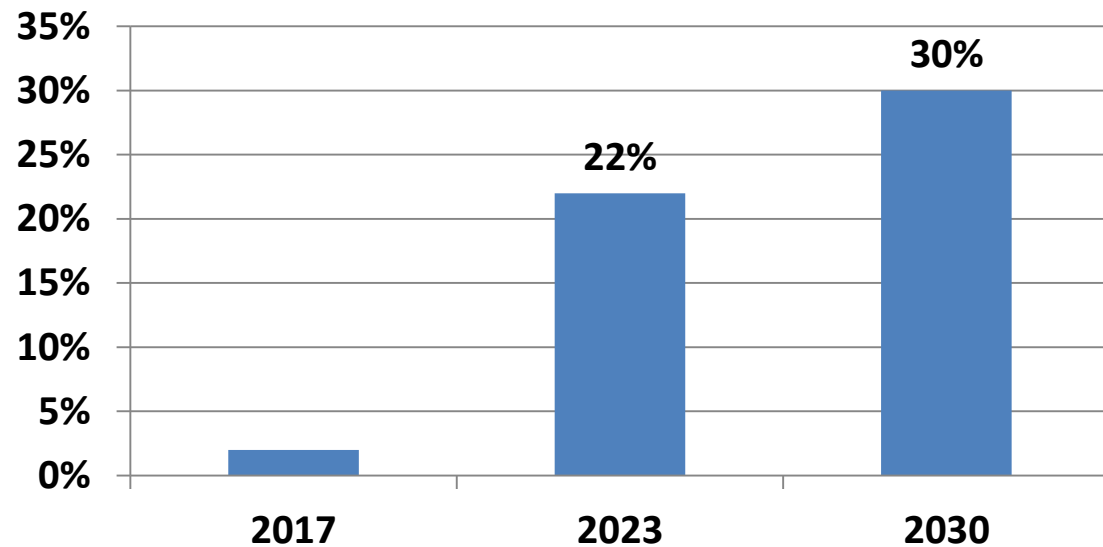
**Objective:** Reduction of carbon intensity by **41%** by 2030 comparing to 2010

# Tunisian NDC objective in the energy sector

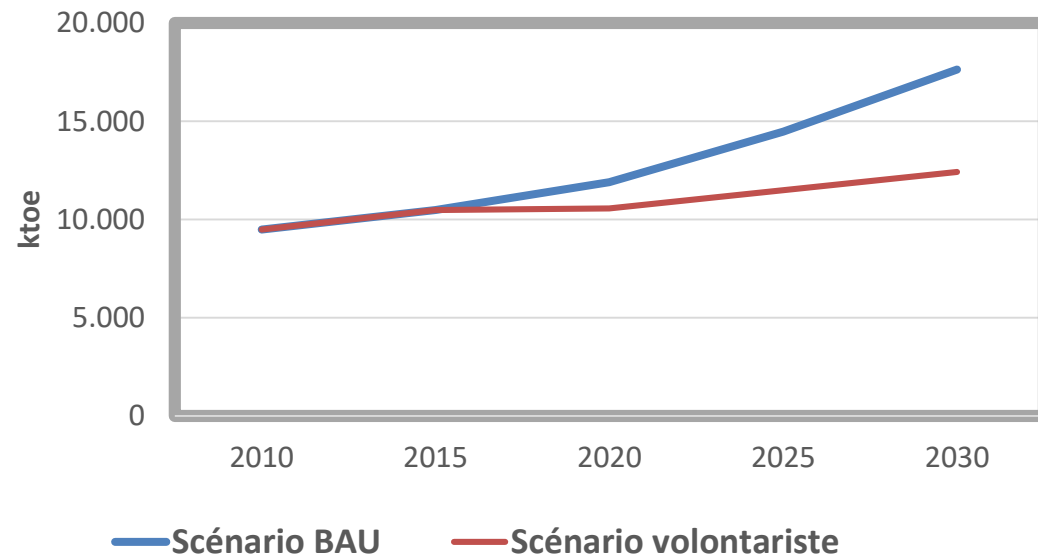


# Energy transition objectives by 2030

**Increase the share of renewables up to 30 % in electricity production**



**Reduce the energy demand by 30% comparing to a BaU scenario**



# How to raise climate ambition in the energy sector in Tunisia

Low Emission Development Strategy  
*2050*

National Determined Contribution  
*2030*

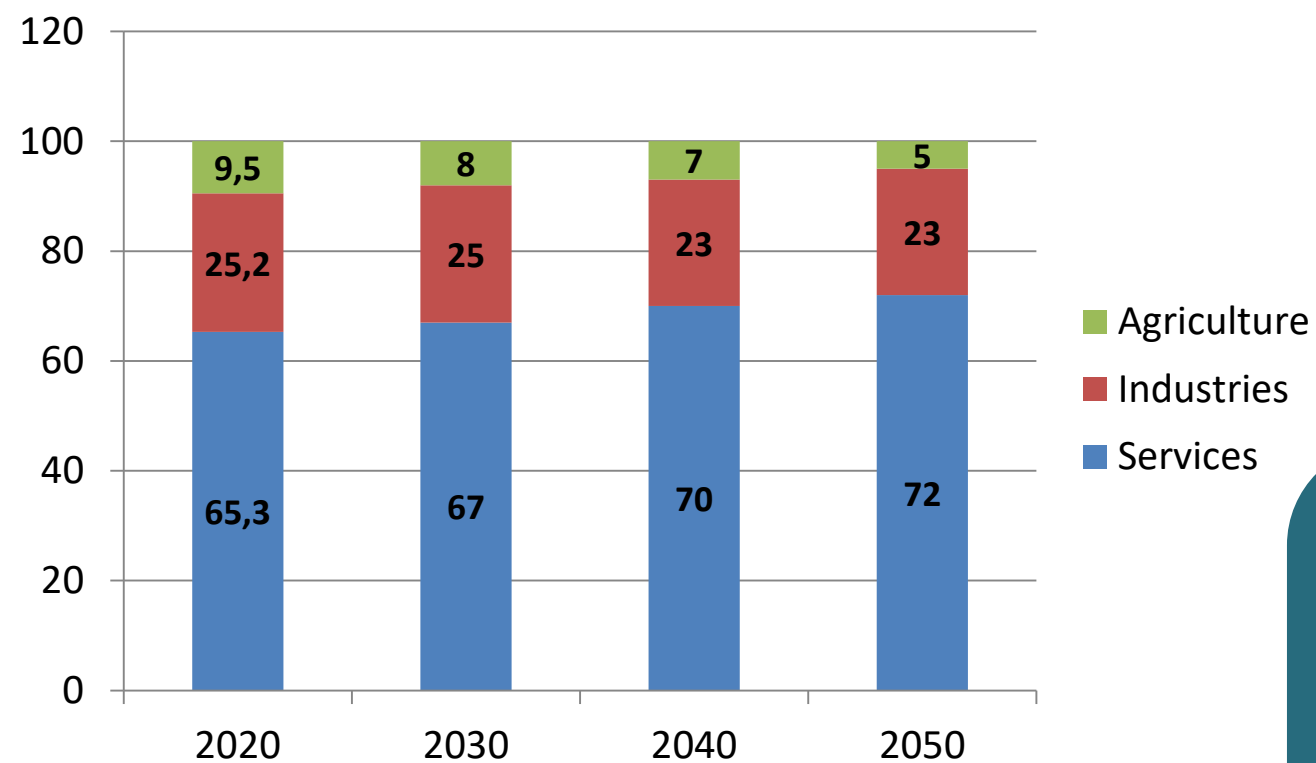


**Pave the way to a Low carbon  
economy**



# How to raise climate ambition in the energy sector in Tunisia

Economic scenario  
2050



Added value of sectors as share of GDP by 2050

*Economic structure  
by 2050 :  
Shift to tertiary  
sector and to  
higher added value  
sectors and less  
energy intensive*

# How to raise climate ambition in the energy sector in Tunisia

Energy scenarios  
(BaU & Low carbon)

Energy efficiency

EE scale up in mature technologies in all sectors mainly in building, industry and transport sectors

Electrification of  
final uses

Increase the share of electricity in final energy demand by 40 to 50 %

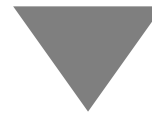


Electrification can reduce the overall emissions of the economy when it is accompanied by the decarbonisation of the power sector in a synergistic way.

# How to raise climate ambition in the energy sector in Tunisia

## Renewable energy

Increase the share of renewables in the electricity production by (50 to 80 %)



**Electricity sector is considered as crucial to raise the climate ambition**

# Simulation of GHG emissions by 2050

*Improved version  
of Med Pro*

Takes into consideration new features:

- Long term (2050)
- New potential final energy uses
- Behavioral changes impacts
- IPCC methodology to simulate GHG emissions

# **Support measures to raise climate ambition in the energy sector Tunisia**

- Elaborate a Roadmap to achieve national mitigation targets
- A good/new governance that guarantee the link between national low emission strategy and public policies
- Development of monitoring and evaluation tools
- Removal of energy subsidy to promote EE and RE
- Put in place a regulatory energy authority to create an investment-friendly environment
- Develop carbon pricing instruments in priority sectors
- Increase the Energy Transition Fund resources to enhance RE and EE projects

**Thank you for your attention**