

Energy situation in Tunisia

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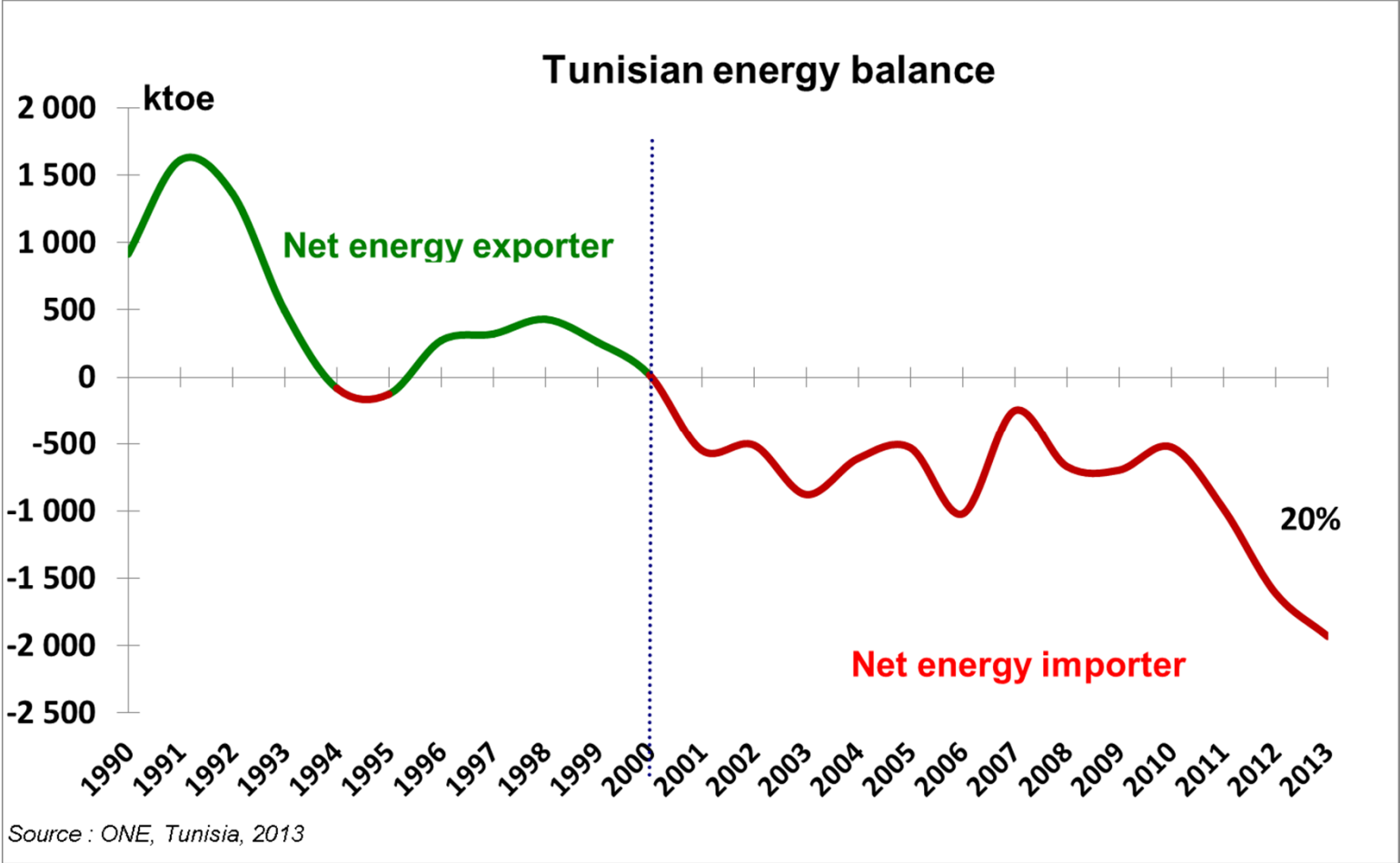
- Description of energy situation, overview
- Main energy subsidies in Tunisia
- Energy strategy



Description of energy situation, overview



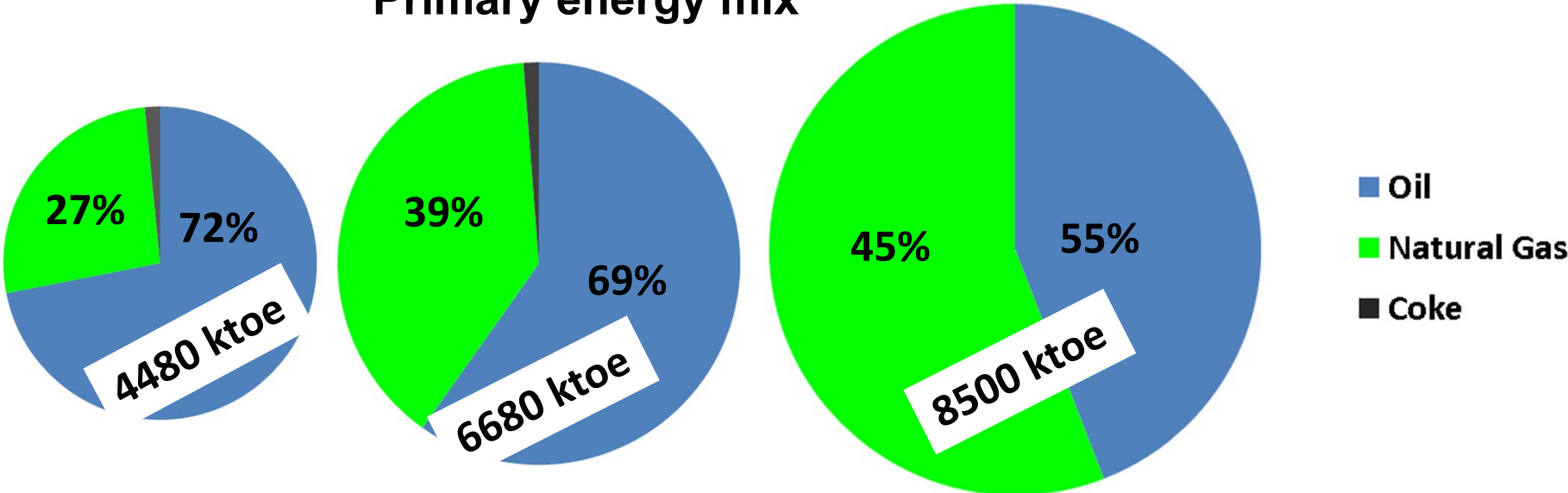
Energy balance



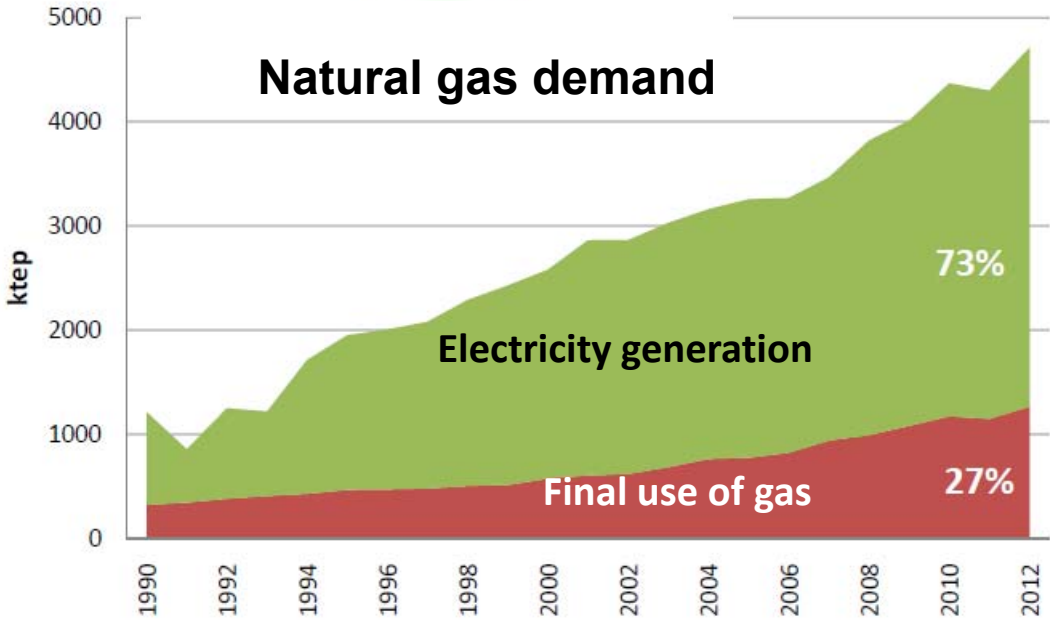
- Increasing deficit of energy supply due to energy demand growth and depletion of national resources

Energy mix

Primary energy mix

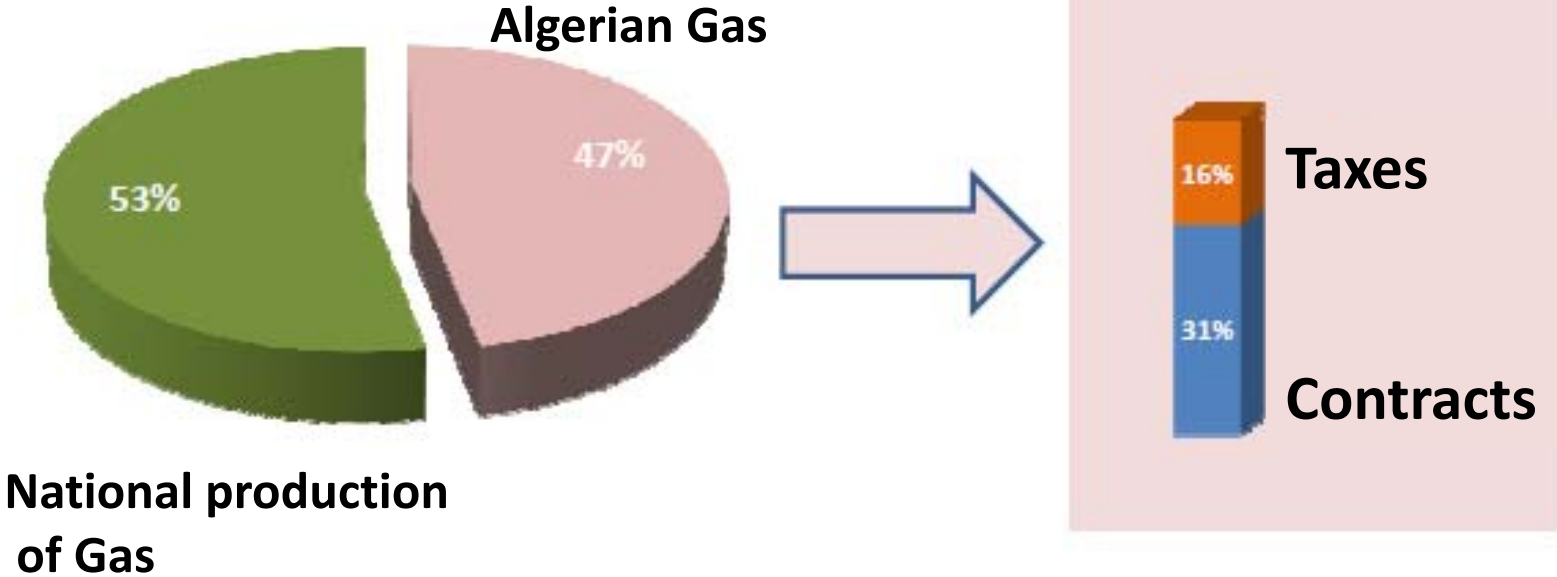


- Increasing dependency to natural gas
- Gas used mainly for electricity generation



Source : ONE

Natural gas resources

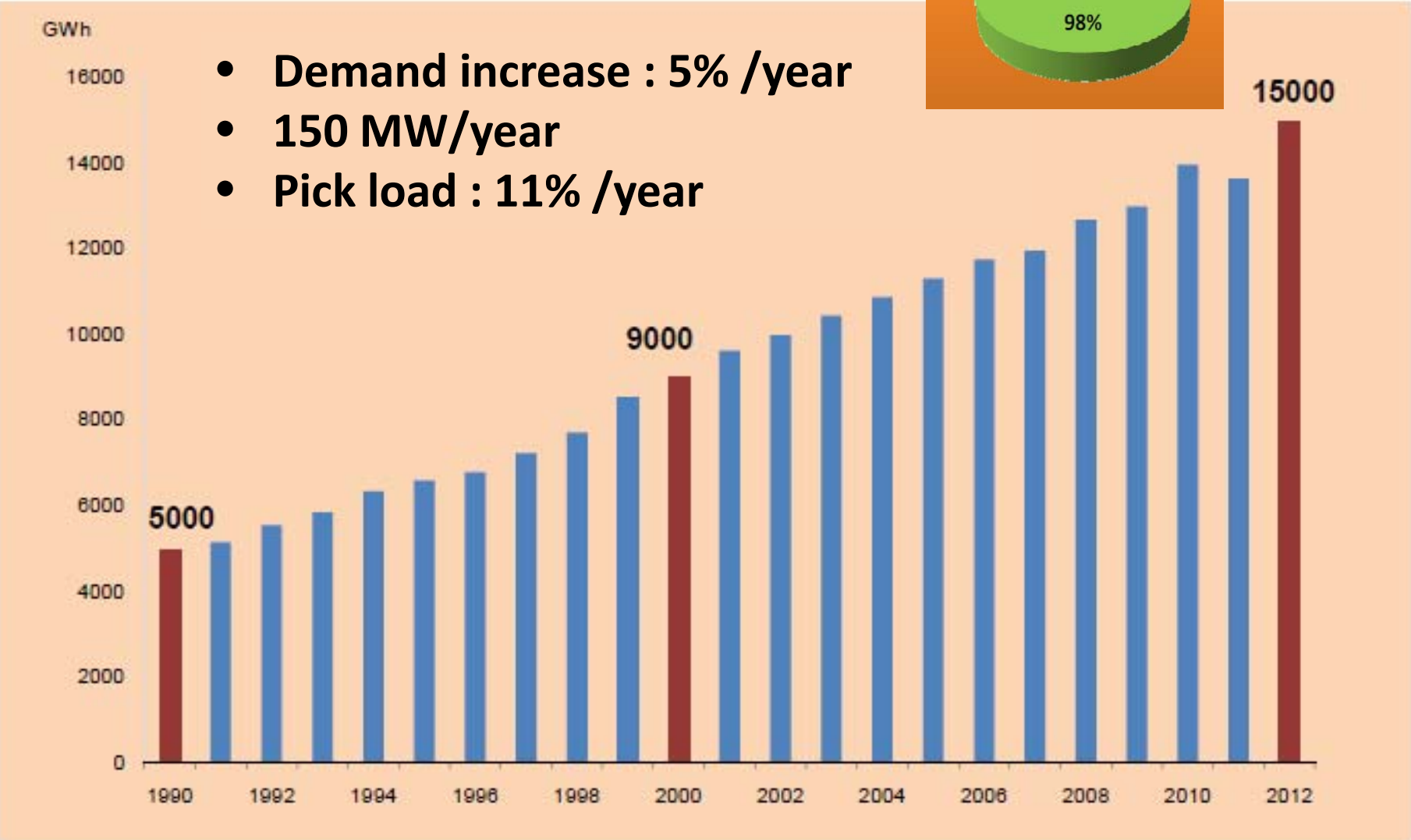
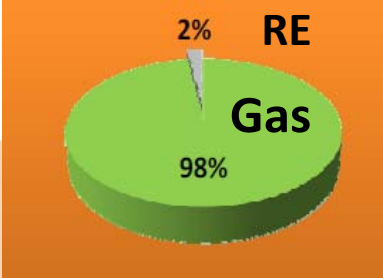


Source : ONE

- A real security supply for natural gas on mid and long term

Electricity demand

- Demand increase : 5% /year
- 150 MW/year
- Pick load : 11% /year



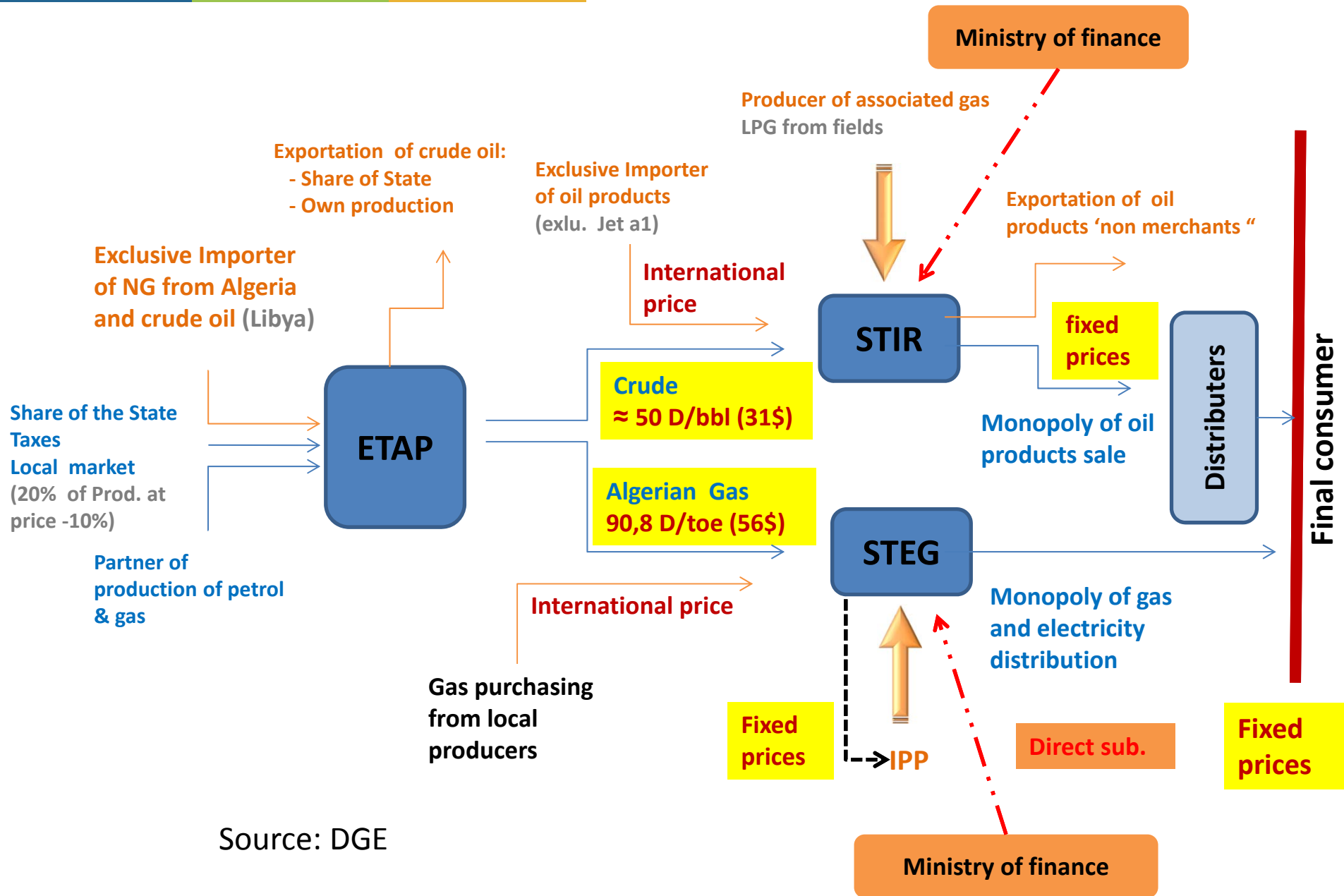
Source : STEG



Main energy subsidies in Tunisia

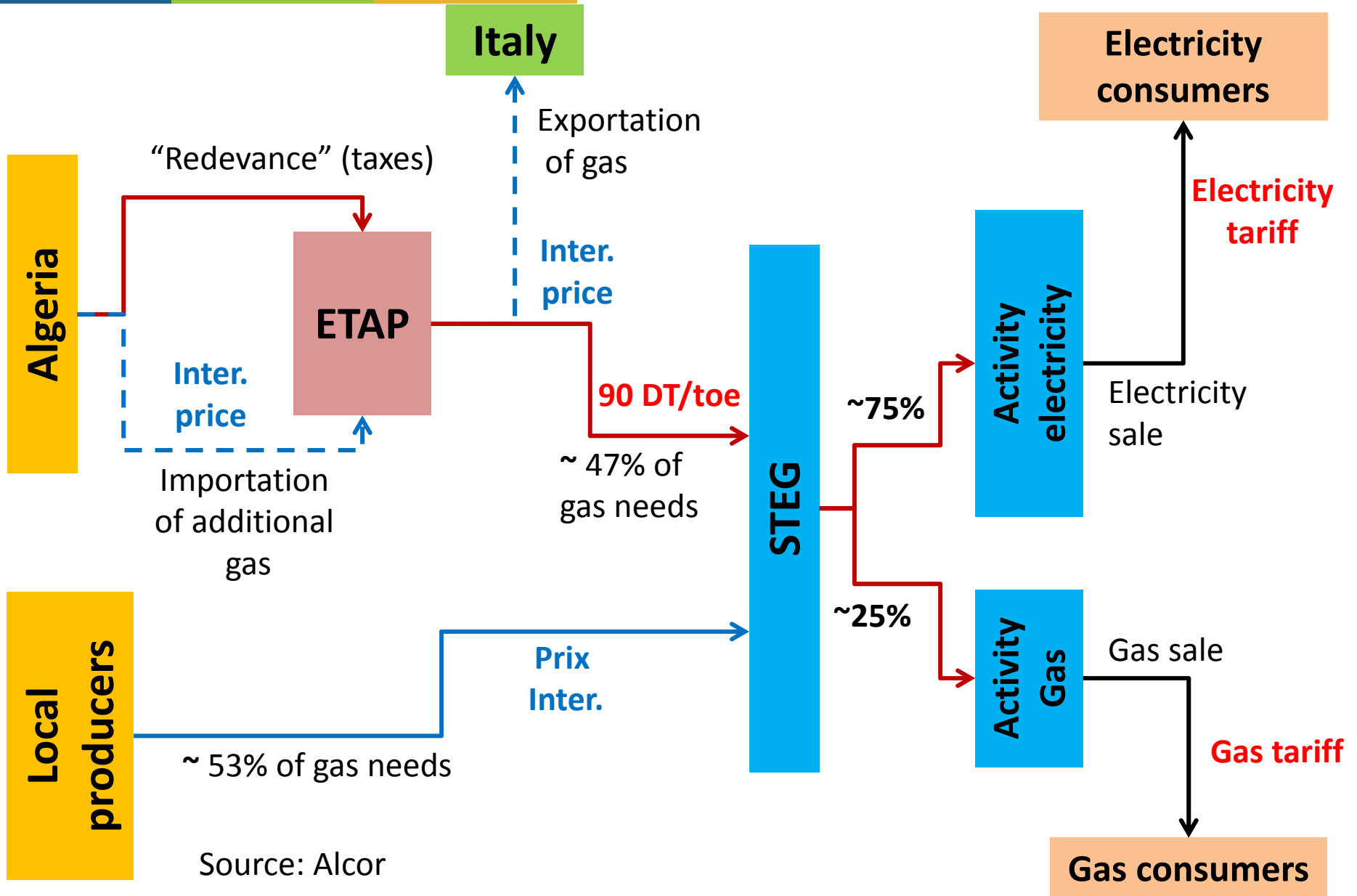


Energy subsidy drivers in Tunisia

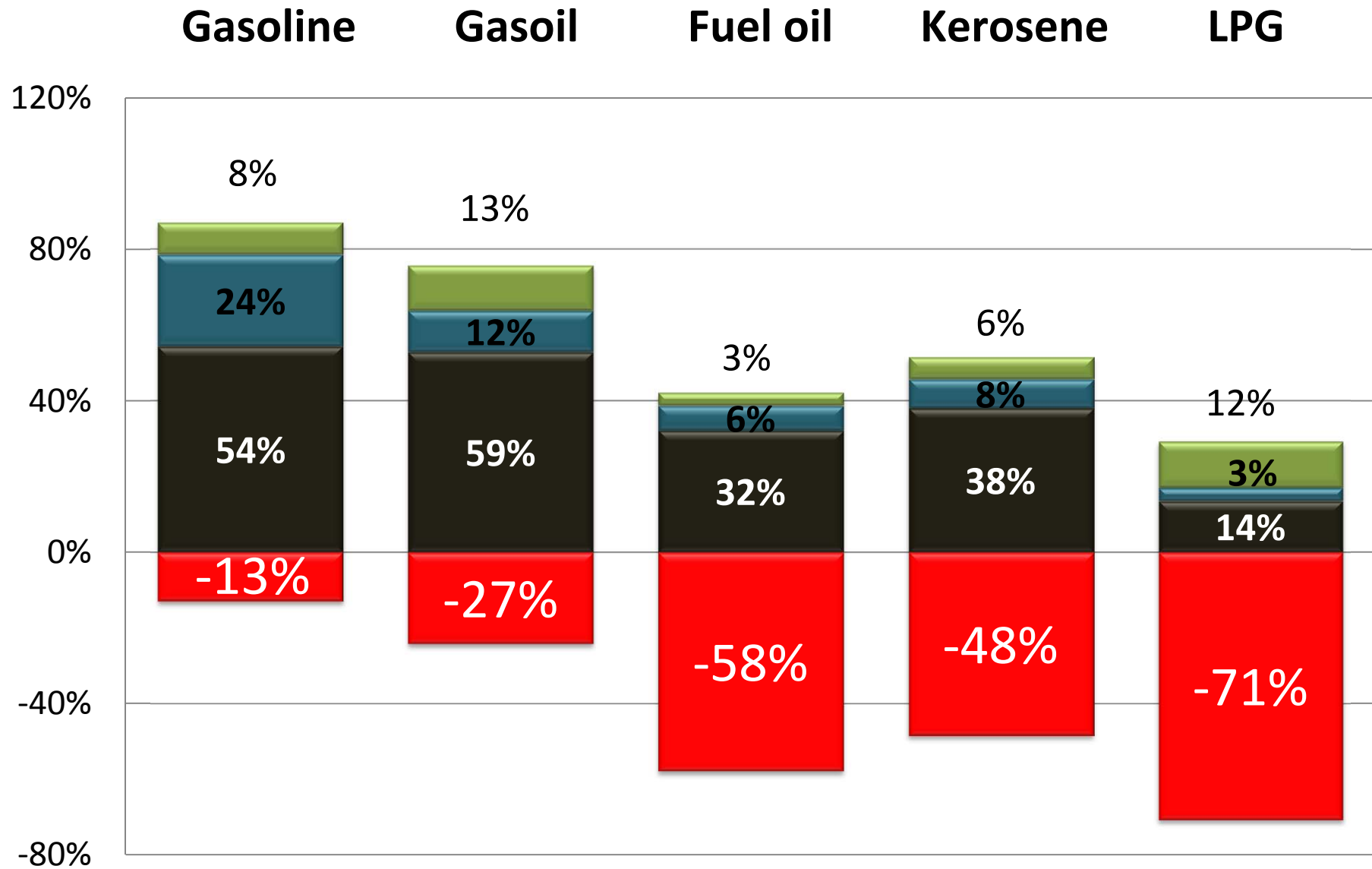


Source: DGE

Electricity subsidy drivers in Tunisia



Subsidies of oil products prices



Source: DGE

Ex. refinery

Taxes

Margin

Direct & indirect Subsidy

Subsidy to natural gas in 2012 (for final use)

Gas cost: 831D/tep

Average tariff: 310 DT/tep

Direct subsidy: -521 DT/toe

Indirect subsidy: 335 D/toe

Total subsidy: 856 DT/toe

Source: Débat national

1 \$ = 1,6 DT

Subsidy electricity in 2012

Total cost : 0,260 DT/kWh

Average selling price : 133 mill/kWh

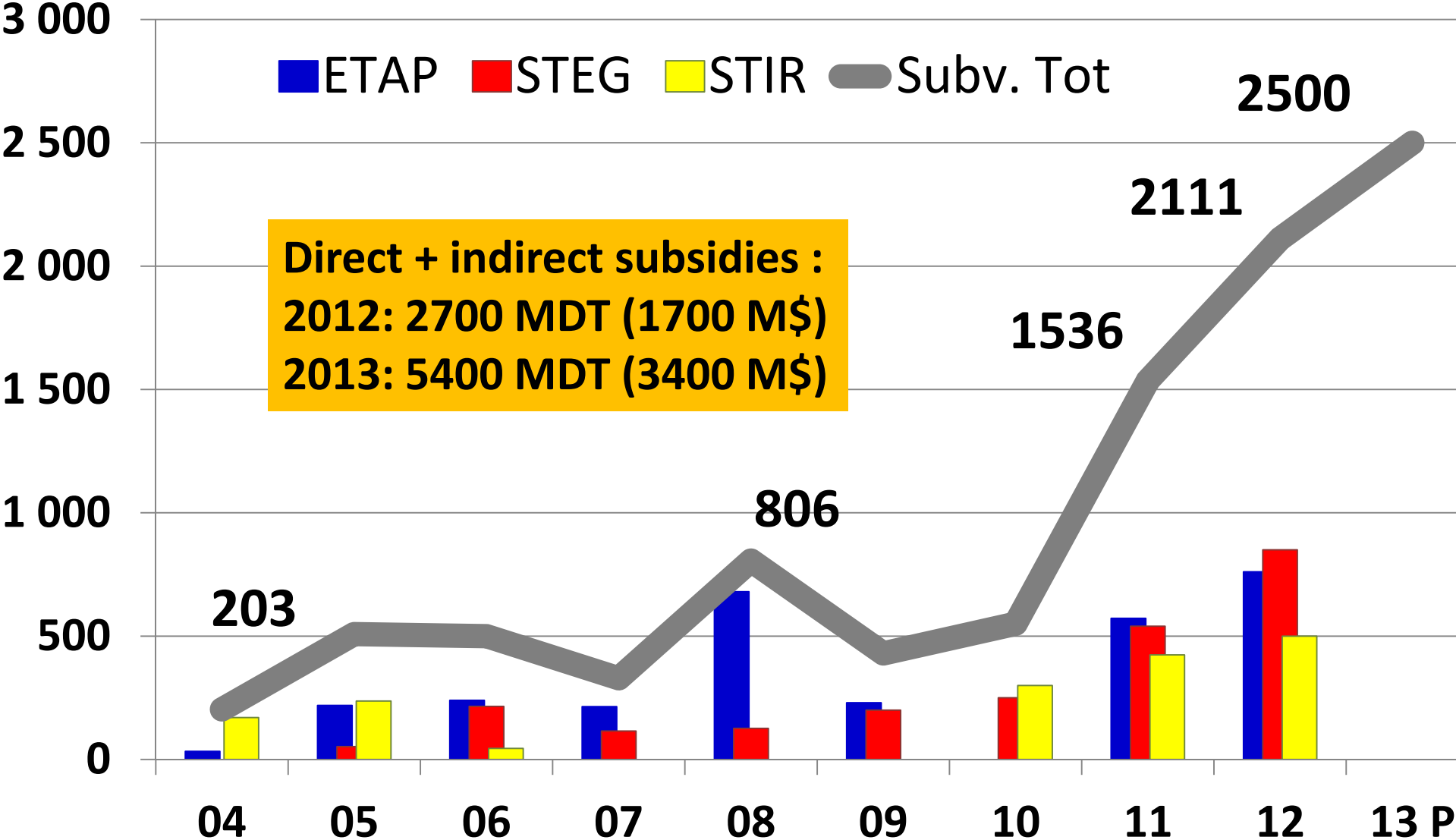
Gap: -0,127 DT/kWh (Direct subsidy)

Indirect subsidy: 0,079 DT/kWh

Total subsidy: 206 mill/kWh

Source: Débat national

Total direct subsidy to energy sector (MDT)



Direct + indirect subsidies :
2012: 2700 MDT (1700 M\$)
2013: 5400 MDT (3400 M\$)

Source: Débat national

Total subsidy to energy sector

Total subsidy to energy sector : 5400 MDT in 2013, around **10% of GDP**

- *43% for oil products,*
- *41% for electricity,*
- *16% for natural gas*

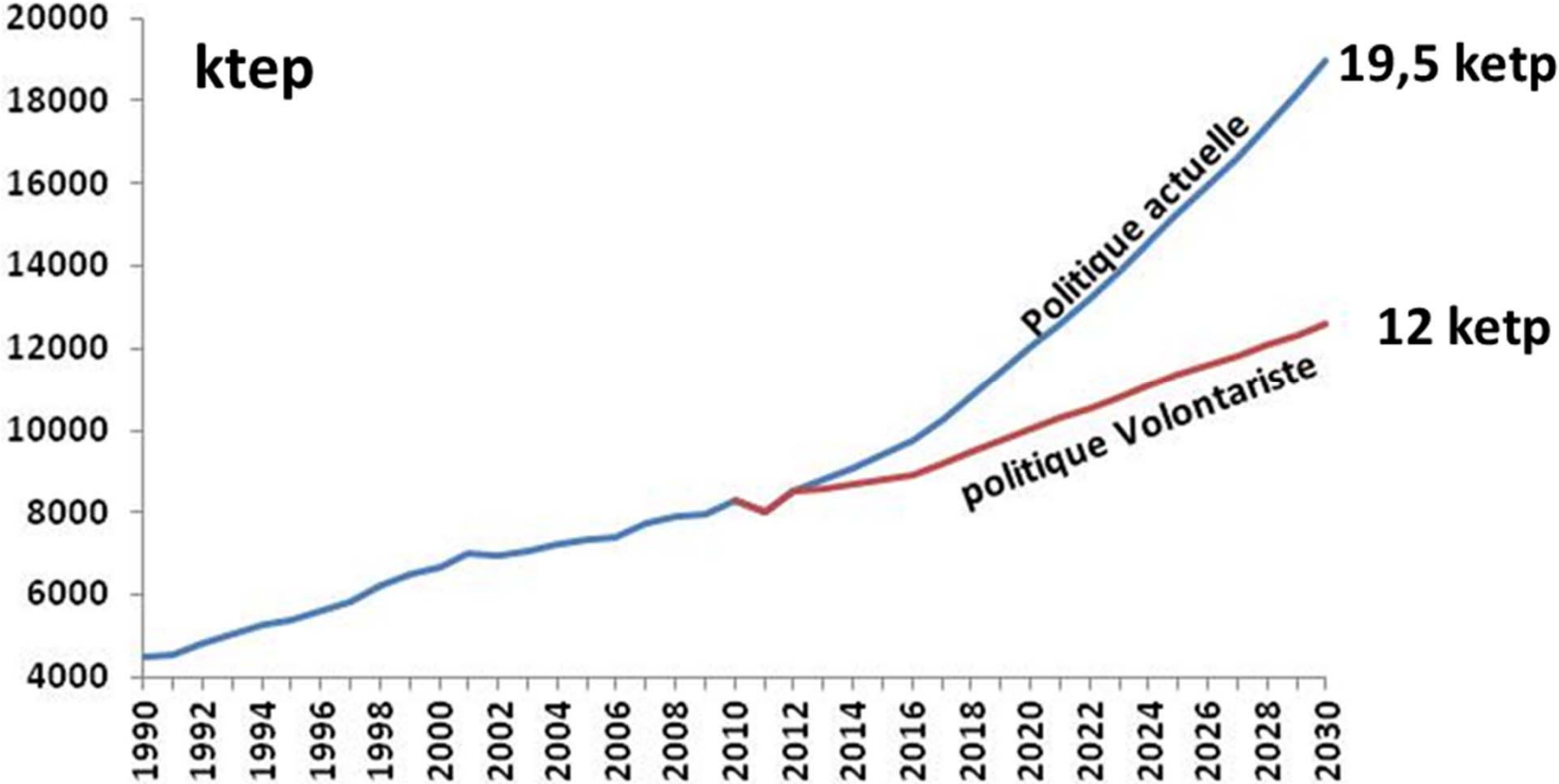
Source: Débat national



Energy strategy

Energy prospective

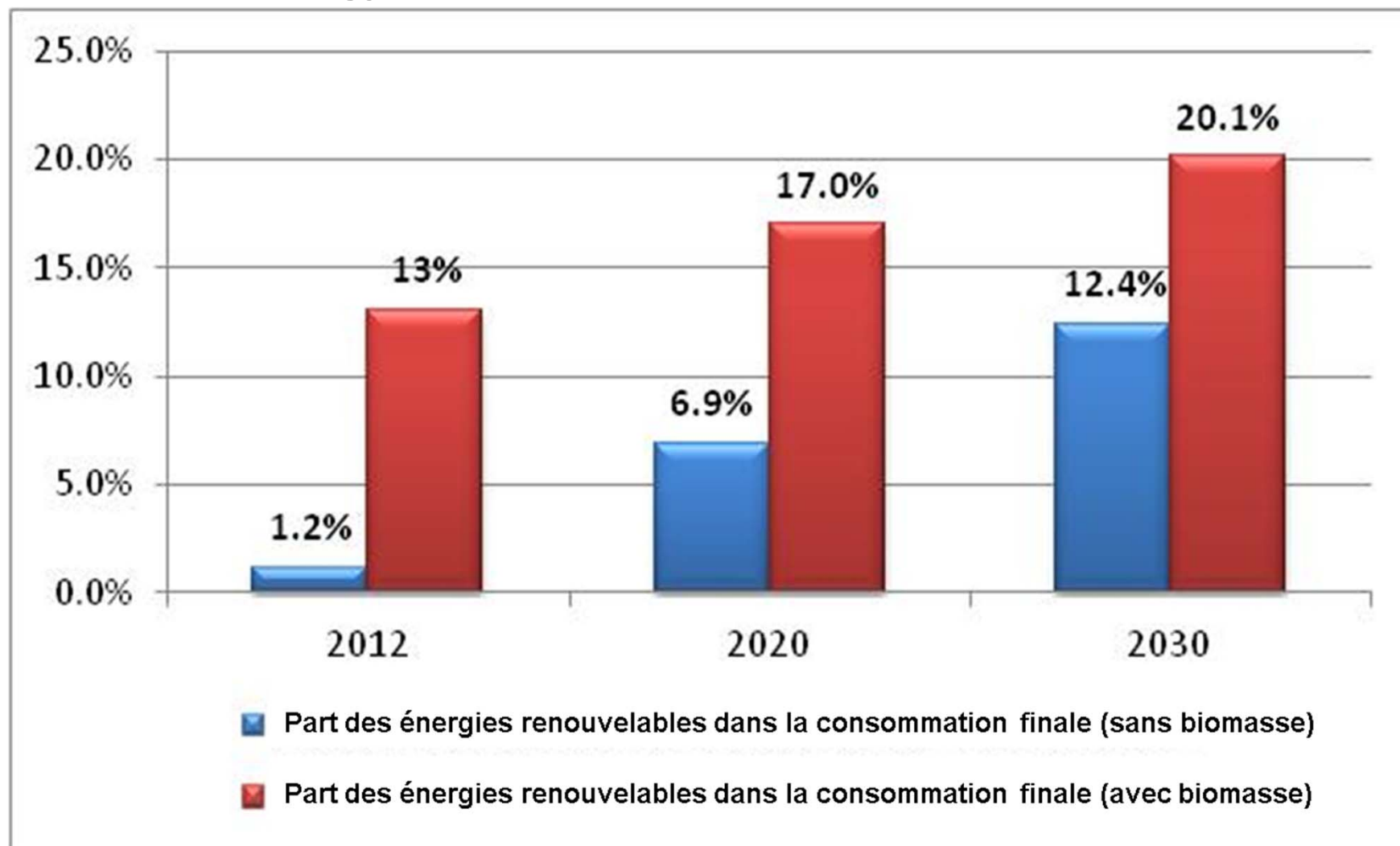
Energy Efficiency



Source: ANME

Energy prospective

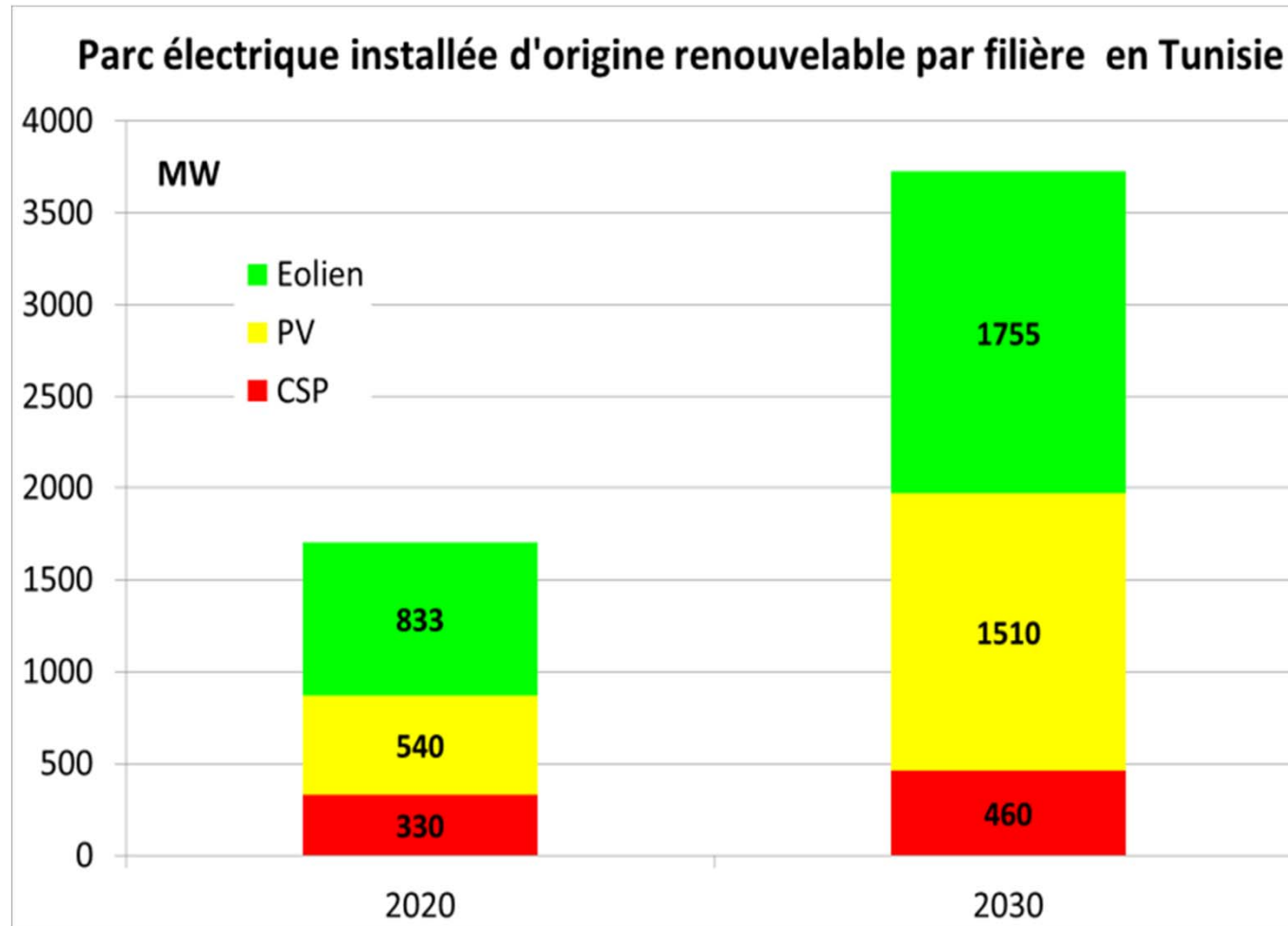
Renewable energy



Source: ANME

Energy prospective

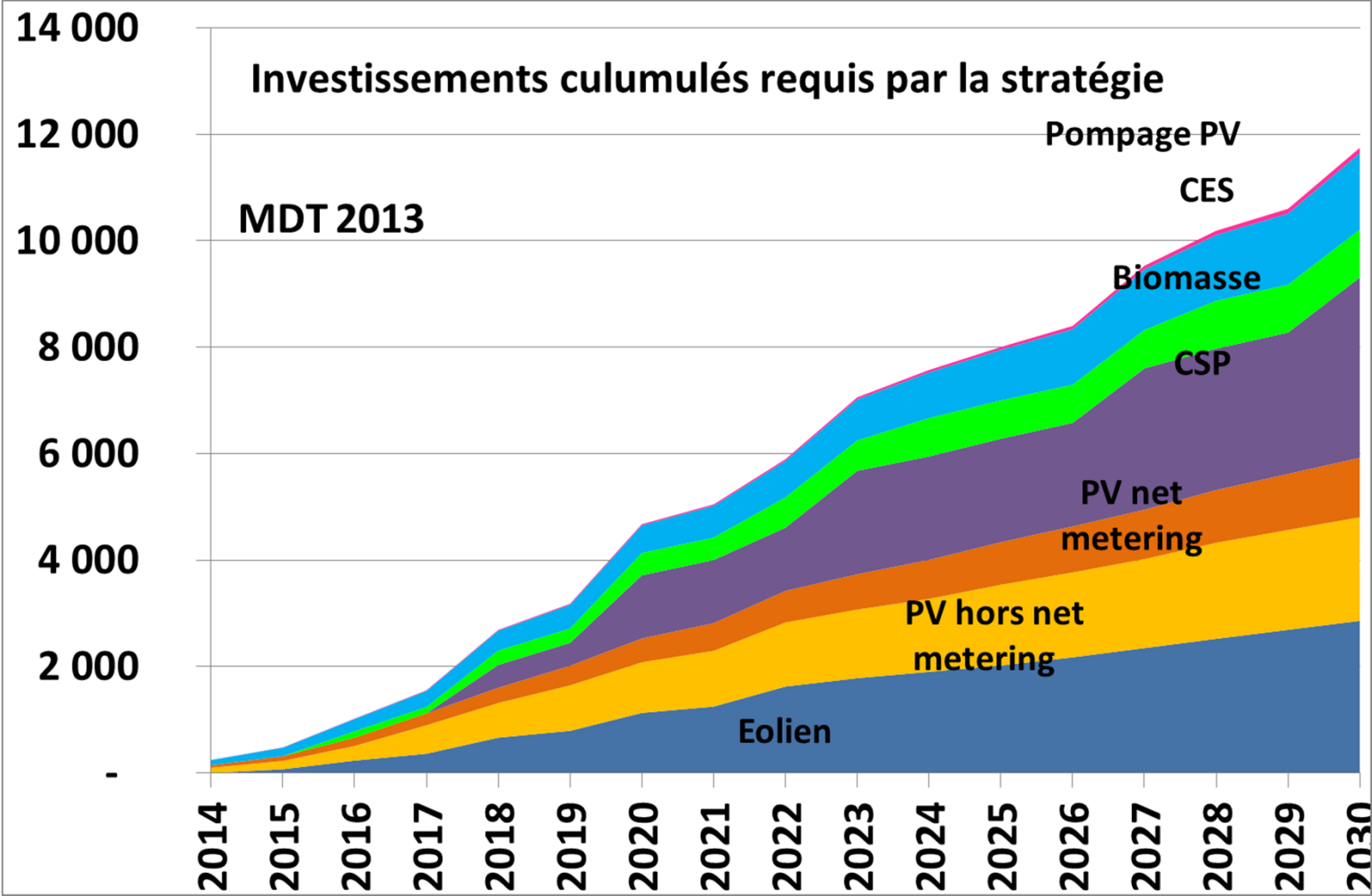
Renewable energy: Tunisian Solar plan



Source: ANME / Alcor

Energy prospective

Renewable energy: Tunisian Solar plan



Source: ANME / Alcor

Main reforms

- Revision of the oil code for more transparency
- New Law on private electricity generation from RE
 - ✓ Opening of the grid to private sector
 - ✓ Feed in Tariff
 - ✓ Electricity sector regulation
- Upgrading of Energy Conservation Fund (Energy Transition Fund)
 - ✓ Fund use
 - ✓ Fund resources
 - ✓ Fund management

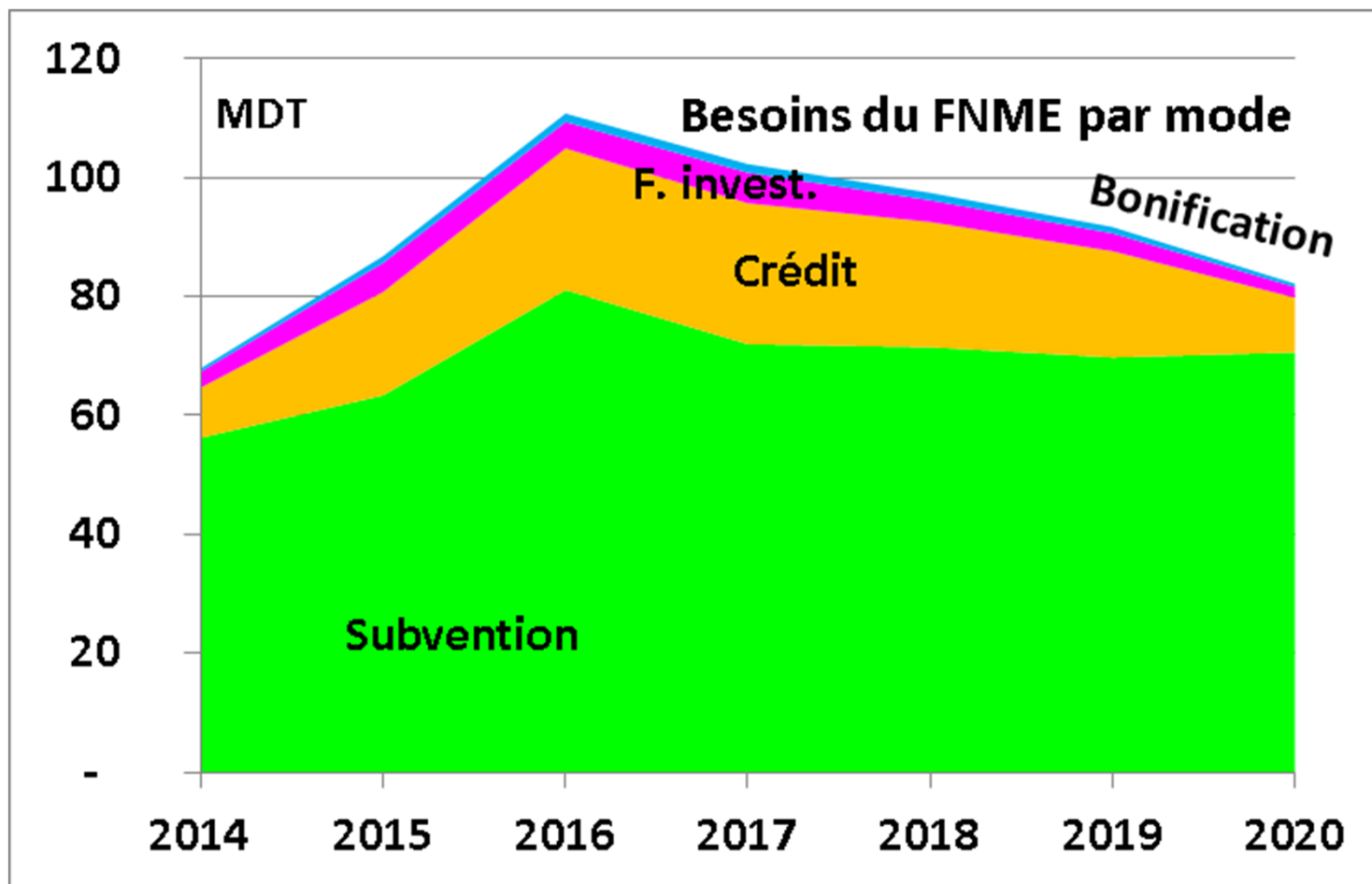
Energy subsidy reforms

- ✓ Electricity: better targeting of the “poor”

Energy orientation law (following to national debate en Energy)

Main reforms

Energy Transition Fund: new design



Source: ANME/ALCOR



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