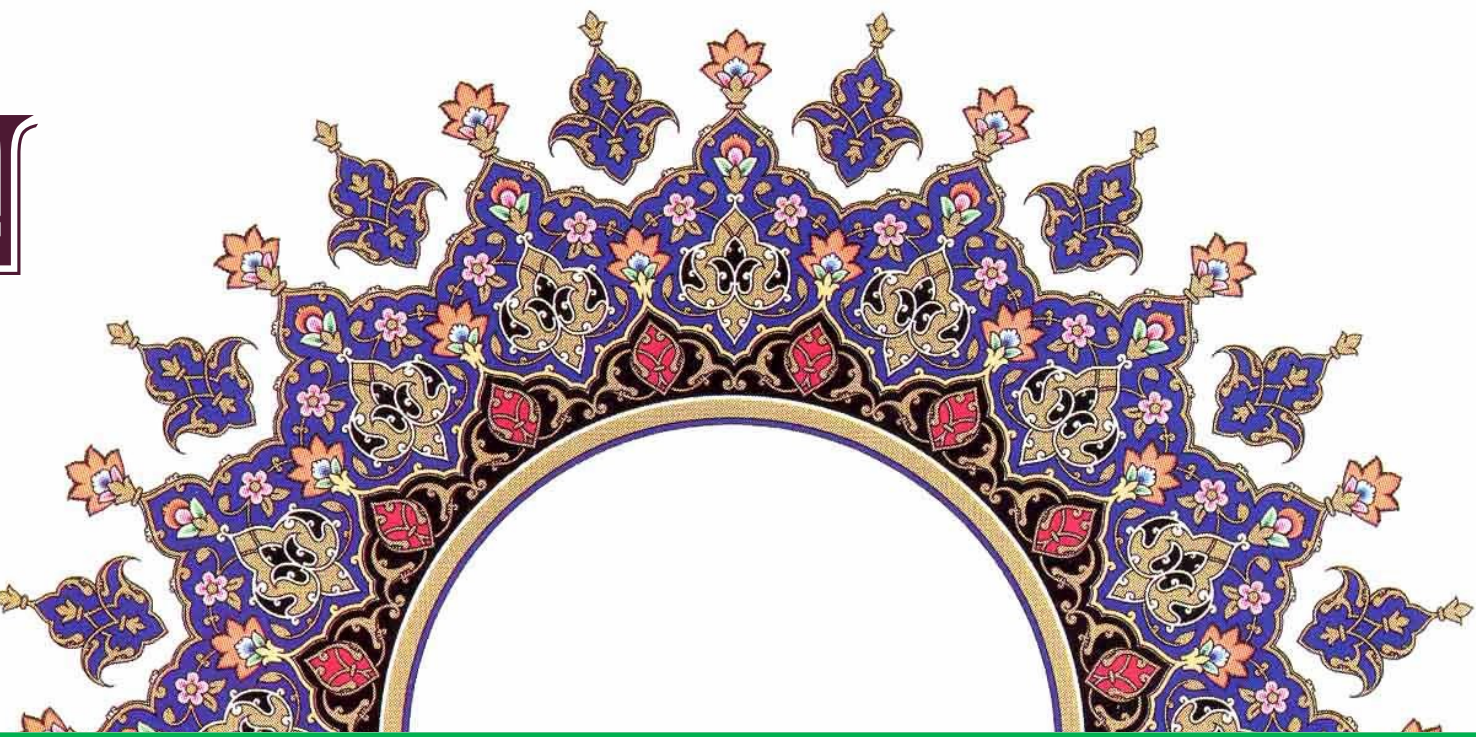


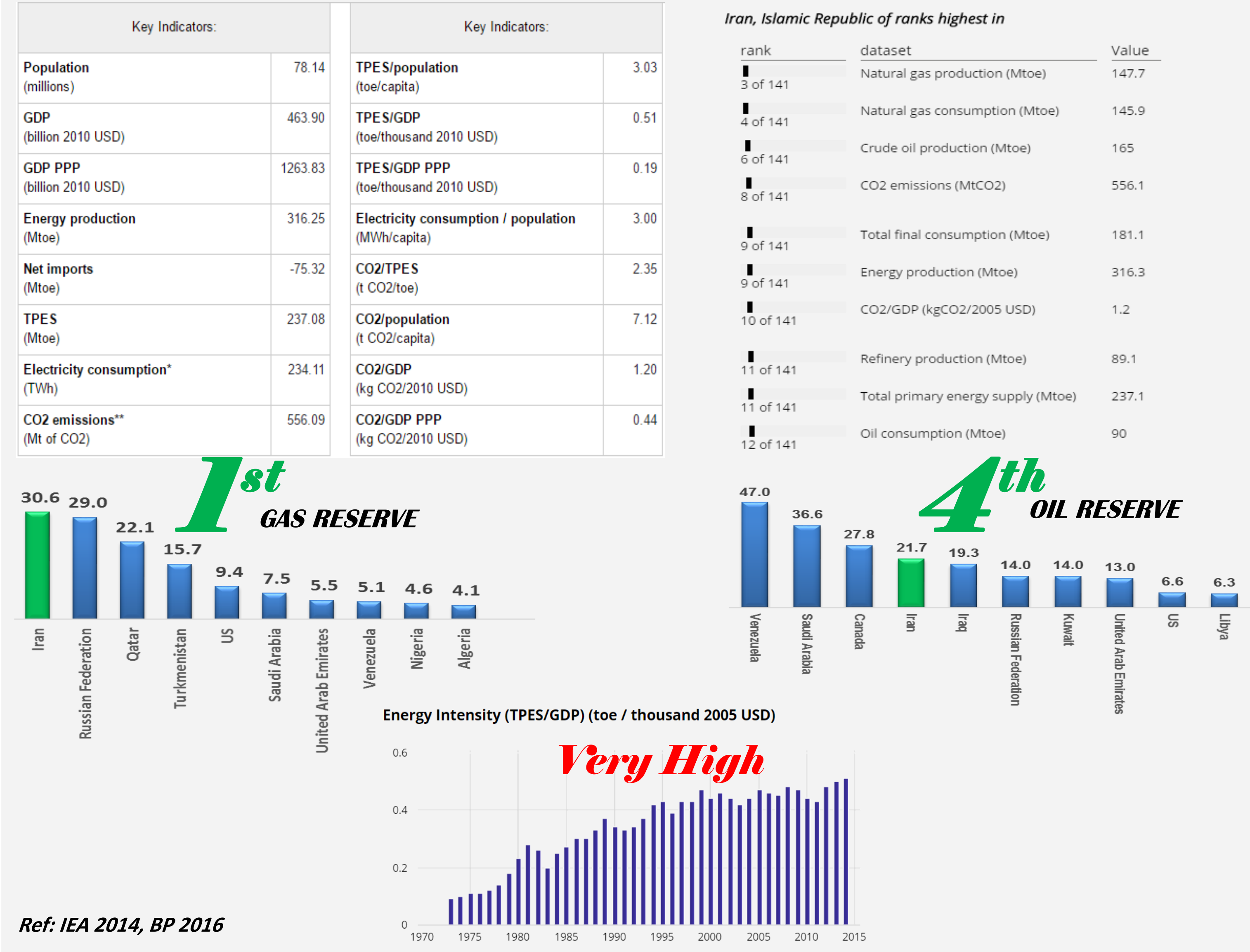
ENERGY EFFICIENCY POTENTIALS IN IRAN

A precise look to one of the biggest energy producers

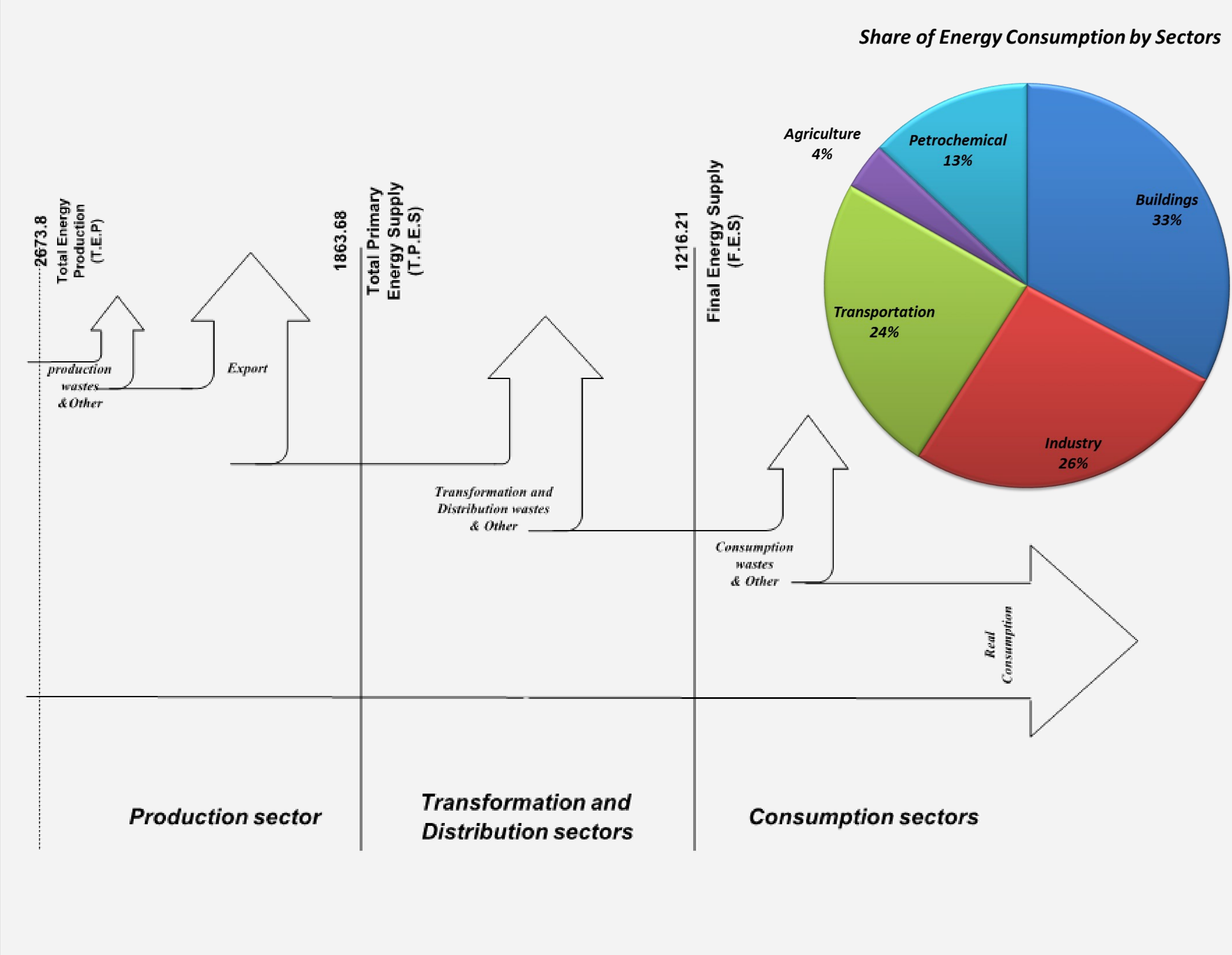
1-053-17+ Ali Khodamoradi, Faraz Sojdei



Key Indicators



Iran's Energy Flow



Energy policies and regulations

General Policies of Energy Consumption Reform (2011)

Energy Intensity shall be halved till 2021 (with comparison to base year of 2011) with prioritizing improvement of Energy Efficiency and Productivity, Incentives and Penalties for improving Specific Energy Consumption (Process & Equipment), Development of Energy Standards and Labelling, enhancement of Energy Efficiency and Productivity awareness.

Third to Sixth National Economic, Social and Cultural Development Plan (2001-2020)

Energy consumption reform Act (2011)

Targeted Subsidies Reform Act (2010)

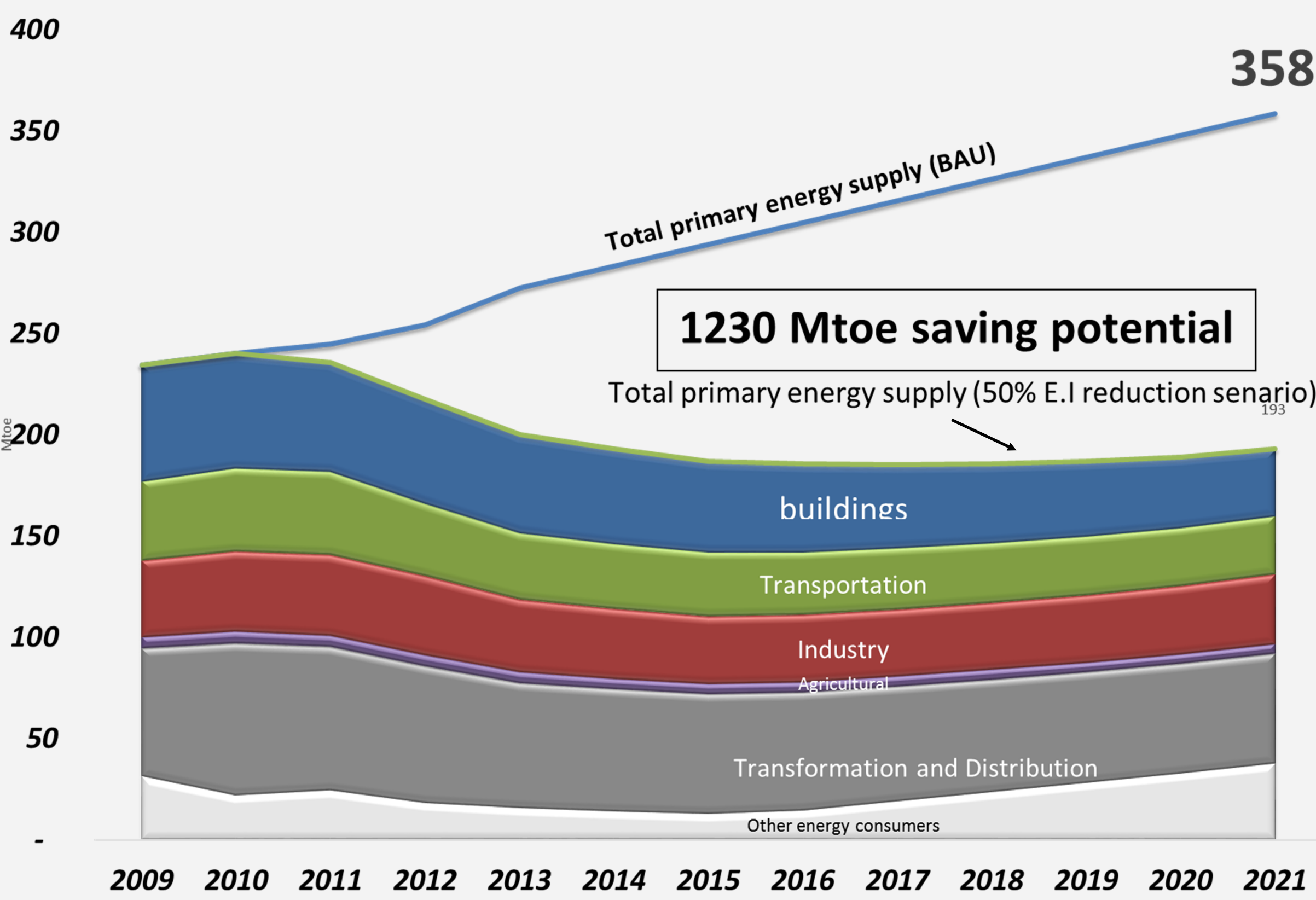
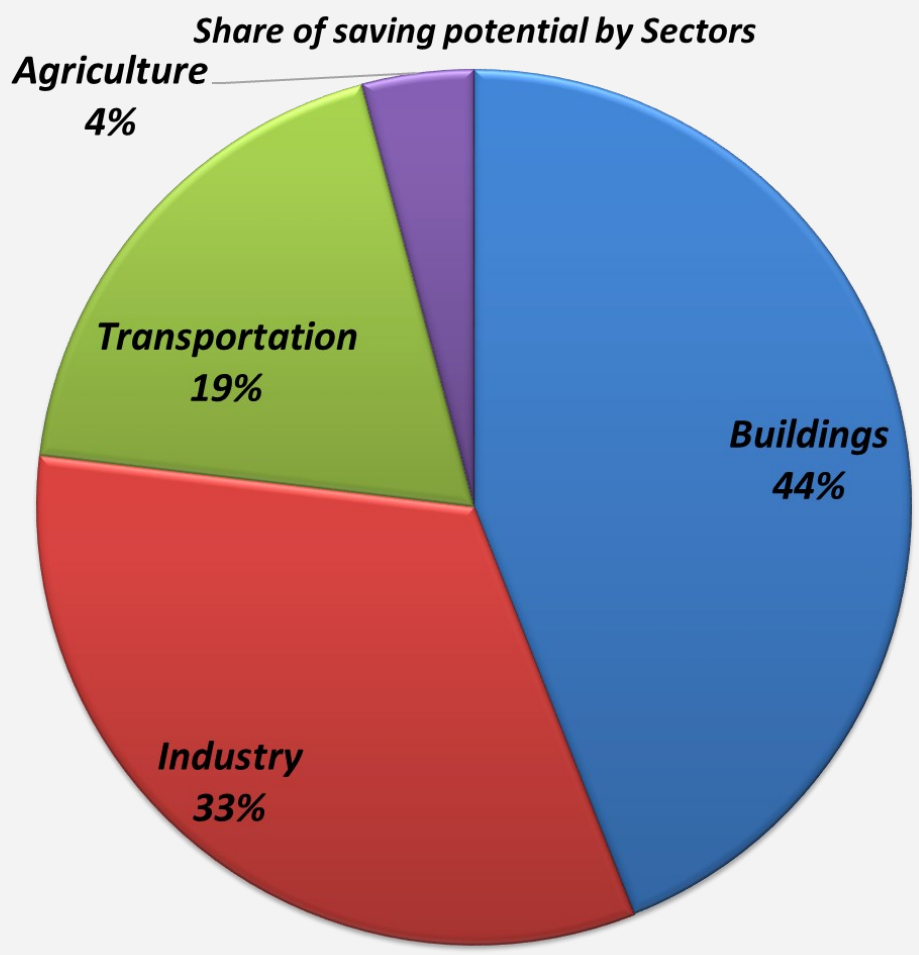
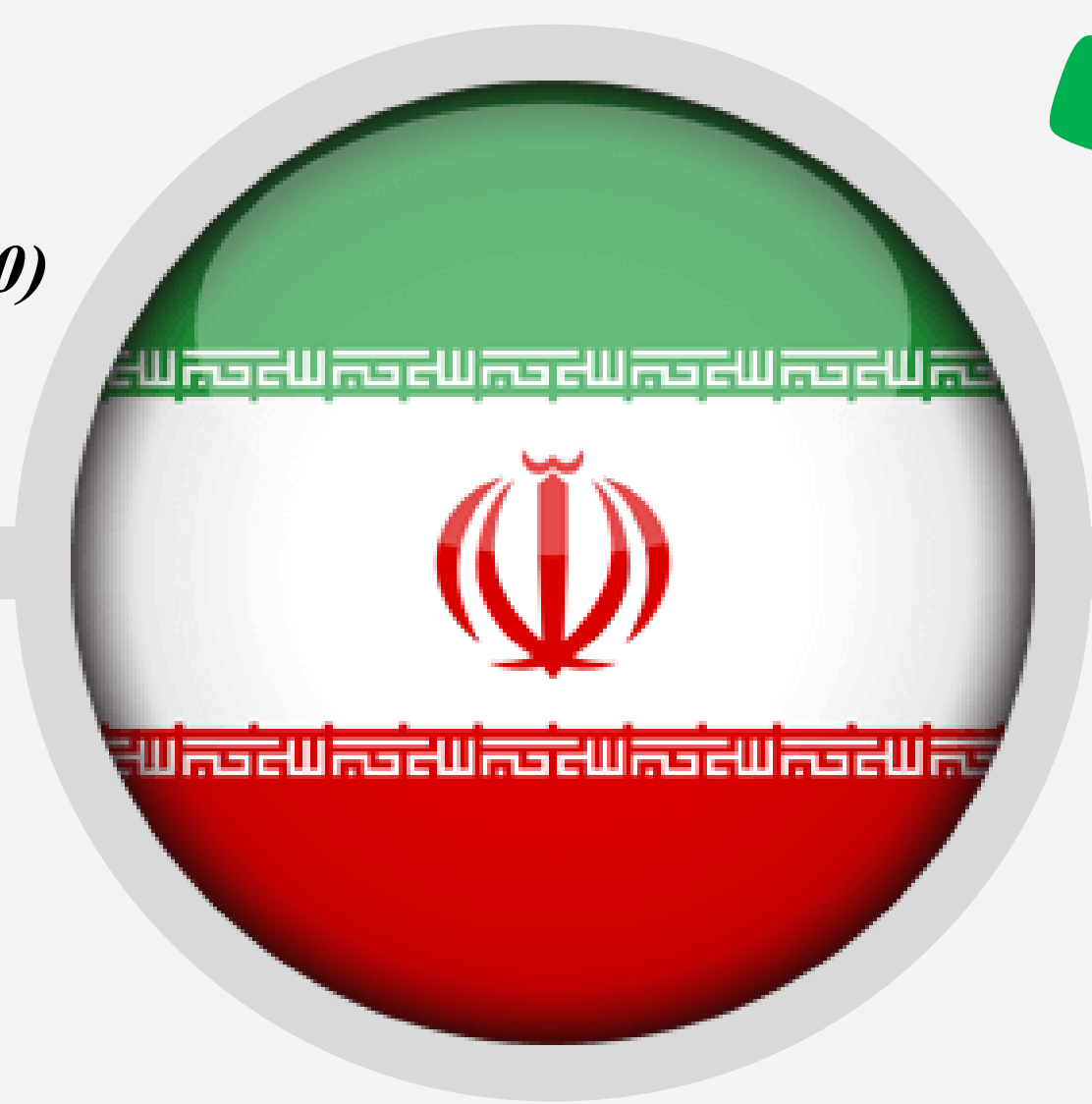
50% Energy INTENSITY REDUCTION

FROM 2010 TO 2021

How can we translate our policies

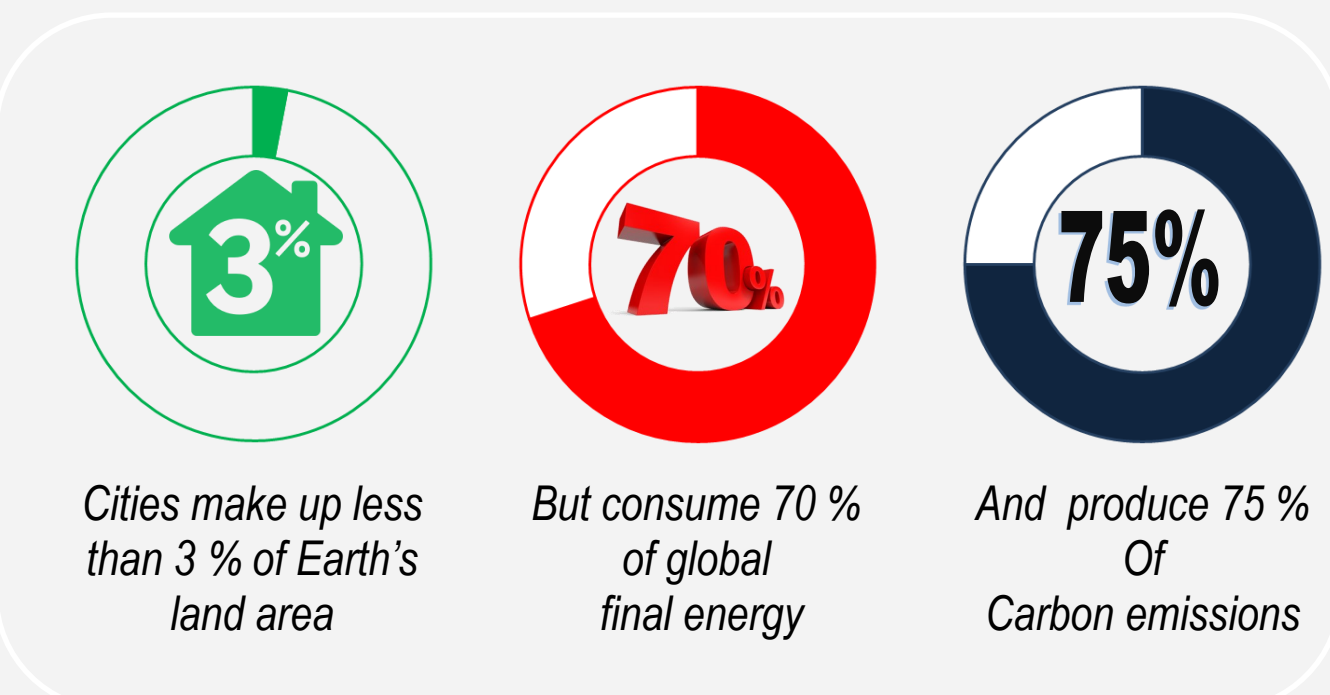
1230 Mtoe ENERGY saving potential

- Assumptions**
- Halving of energy intensity by 2021 (in comparison to base year 2011)
 - the energy intensity reduction is linear.
 - Average of GDP growth rate based on governmental policies till 2021 is 6%
 - Population growth rate 1.47% (to calculate Buildings energy consumption sector)



Why Buildings

By 2050 70% live in cities of the global population will



- Flexibility in amount of investment.
- Highest RE feed-in-tariff in buildings sector (21 ¢/kWh)
- Numerous developed standards for appliance energy labelling.
- One of the most effective factors on improvement of energy intensity (as do not contribute in As buildings do not contribute in increasing of GDP).
- Having a reasonable positive effect on behavioural energy consumption pattern.
- Most EPC best practises are accessible in building sector.

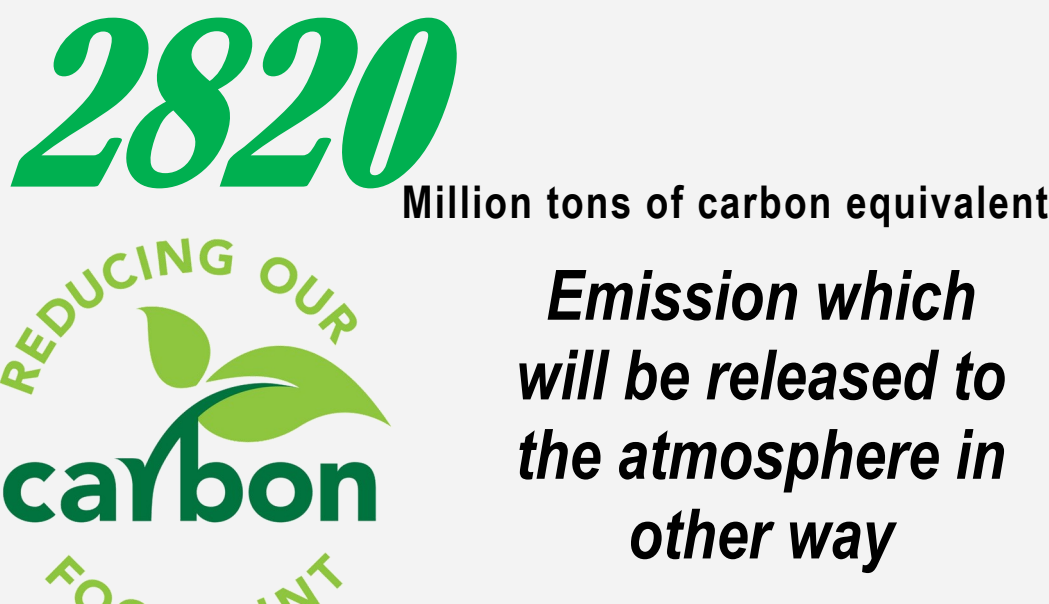
Conclusion

IRAN can go beyond its NDC's commitments if profited by int'l support.

IRAN's NDC: **4%** (unconditional) and **12%** (conditional to int'l support) carbon emission reduction comparing to its BAU

185^bEuro investment potential

To reach **1230^{Mtoe} Energy saving** IN 10 YEARS



THIS POTENTIAL COULD MAKE IRAN THE BEST AND MOST PROFITABLE MARKET FOR ENERGY COSERVATION PROJECTS