



ENERGY EFFICIENCY

Ministry of Economy of the Slovak Republic

Presentation Content

- Targets
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- Financing
- Future plans and prospects

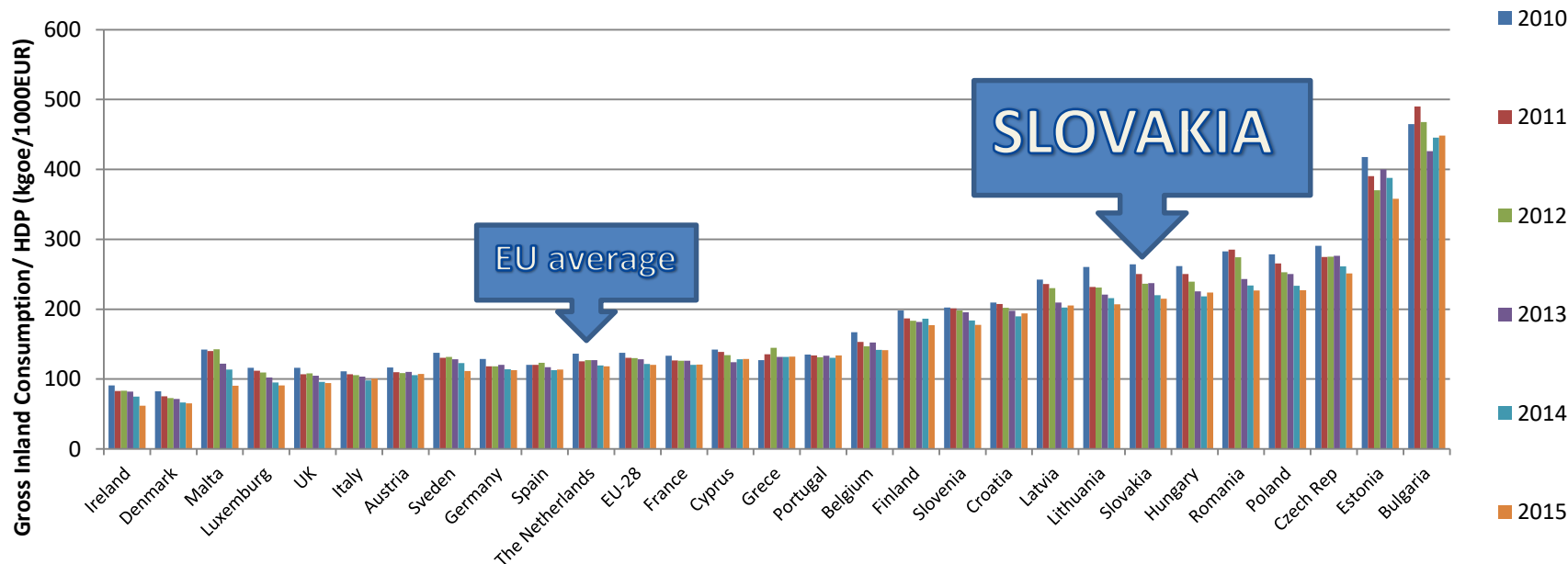


Targets

Energy Intensity

- Still above the average, but one of the highest decrease among EU Member States

Energy Intensity EU-28 in 2010-2015



CLIMATE AND ENERGY TARGETS

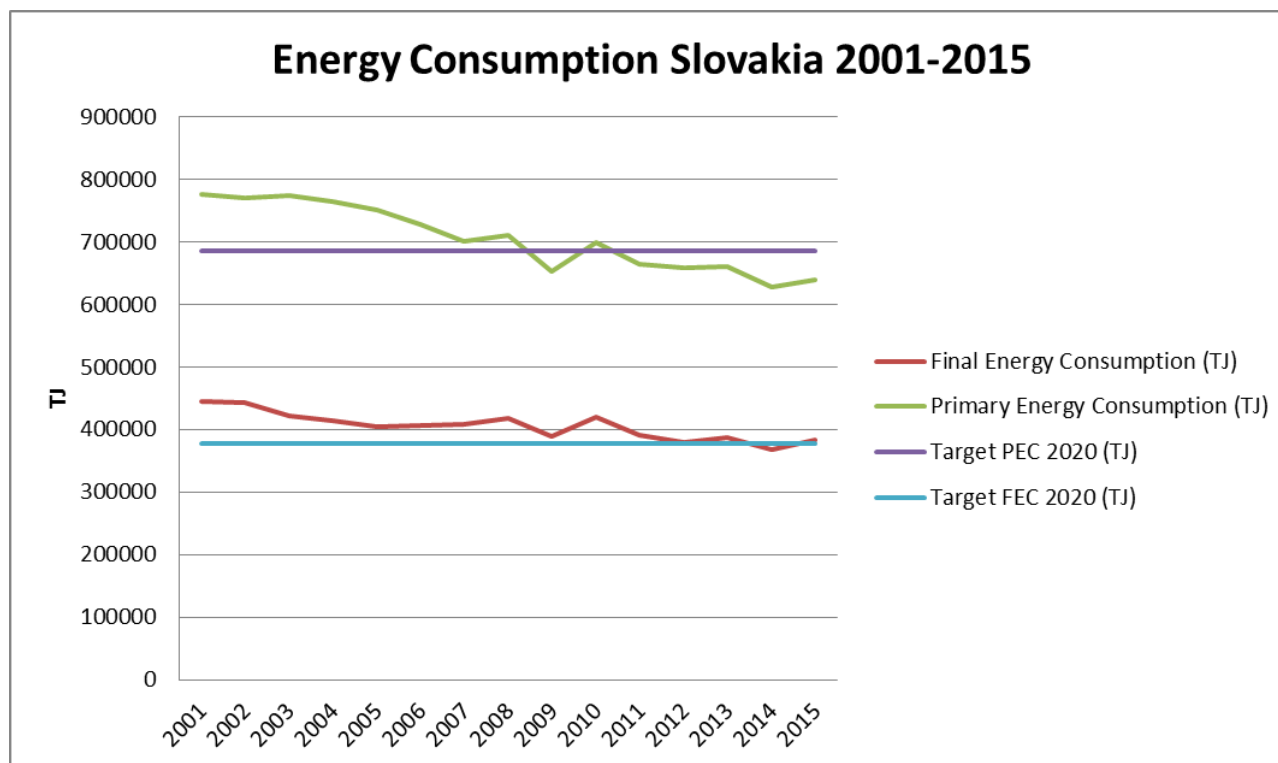
	Strategy Europe 2020	2030 climate & energy framework	Paris Protocol 2050
Reduction in greenhouse gas emissions	<p>At least 20% reduction in greenhouse gases emissions (from 1990 levels)</p> <p><i>* Binding target on EU level</i></p> <p><i>* Binding on national level (negotiated)</i></p>	<p>At least 40% reduction in greenhouse gases emissions (from 1990 levels)</p> <p><i>* Binding target on EU level</i></p> <p><i>* Bindingness on national level will be negotiated</i></p>	<p>At least 80-95% reduction in greenhouse gases emissions (from 1990 levels)</p> <p><i>* Global bindingness under negotiation process</i></p>
Improvements in energy efficiency	<p>At least 20% increase in energy efficiency</p> <p><i>* Binding on EU level</i></p>	<p>At least 27% increase in energy efficiency. This target will be reviewed in 2020 having in mind a 30% target.</p> <p><i>* Indicative on EU level</i></p>	
Share of renewable sources of energy	<p>At least 20% share for renewable energy in final energy consumption of the EU</p> <p><i>* Binding on EU level</i></p> <p><i>* Binding on national level (negotiated 14% in Slovakia)</i></p>	<p>At least 27% share for renewable energy in final energy consumption of the EU</p> <p><i>* Binding target on EU level</i></p>	

ENERGY SAVINGS TARGETS

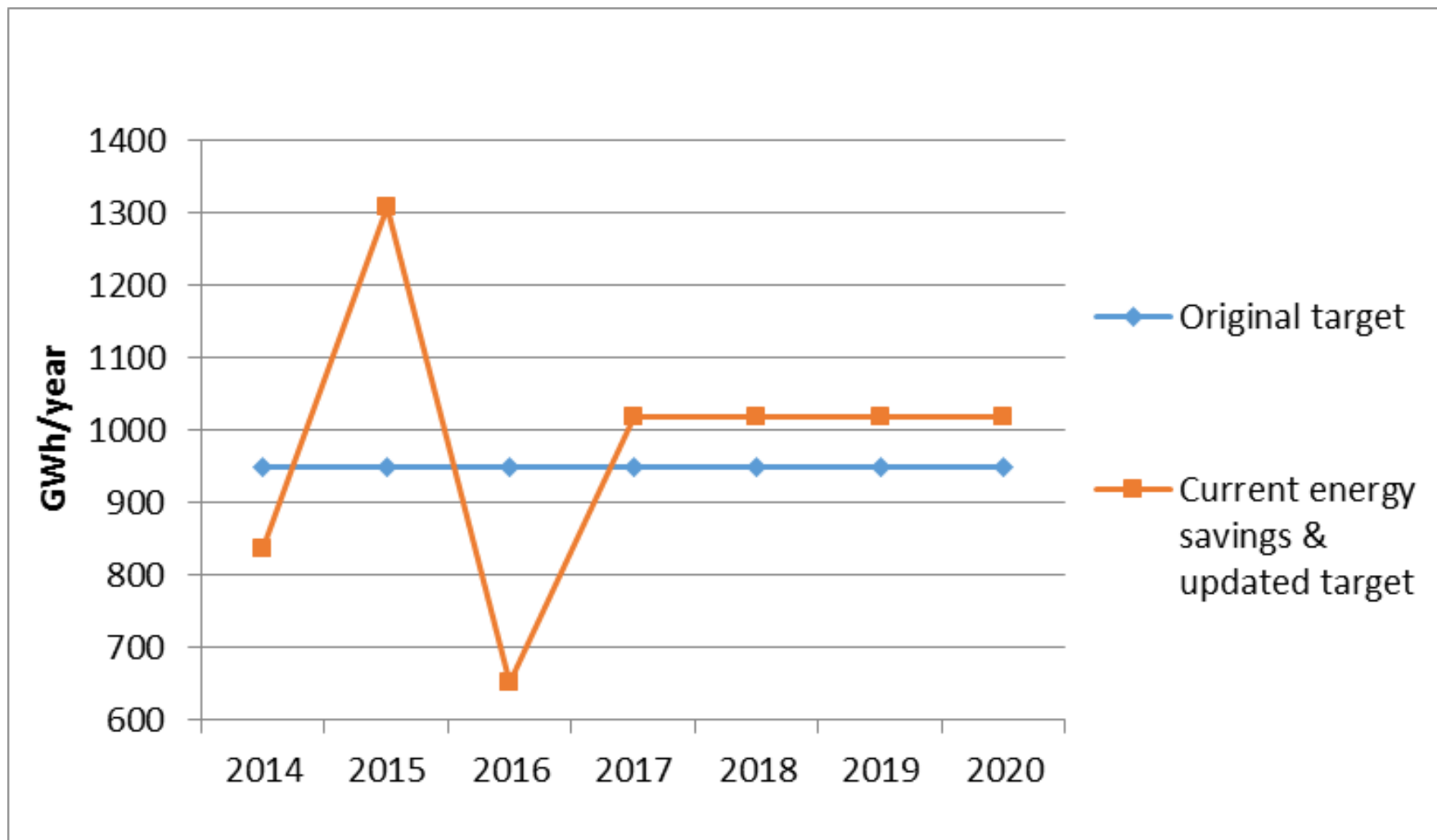
- Energy savings target of Art 7 Energy Efficiency Directive:
 - 948,75 GWh/a
 - 26 565 GWh cumulatively up to 2020
- Buildings renovation of Central Government Offices (Art. 5):
 - 3% of total floor area renovate annually
 - 52,17 GWh/a cumulatively up to 2020
- National indicative target (Art. 3):
 - Absolute value of FEC in 2020 (FEC2020) – 387PJ
 - Absolute value of PEC in 2020 (PEC2020) – 686PJ

NATIONAL INDICATIVE ENERGY EFFICIENCY TARGET

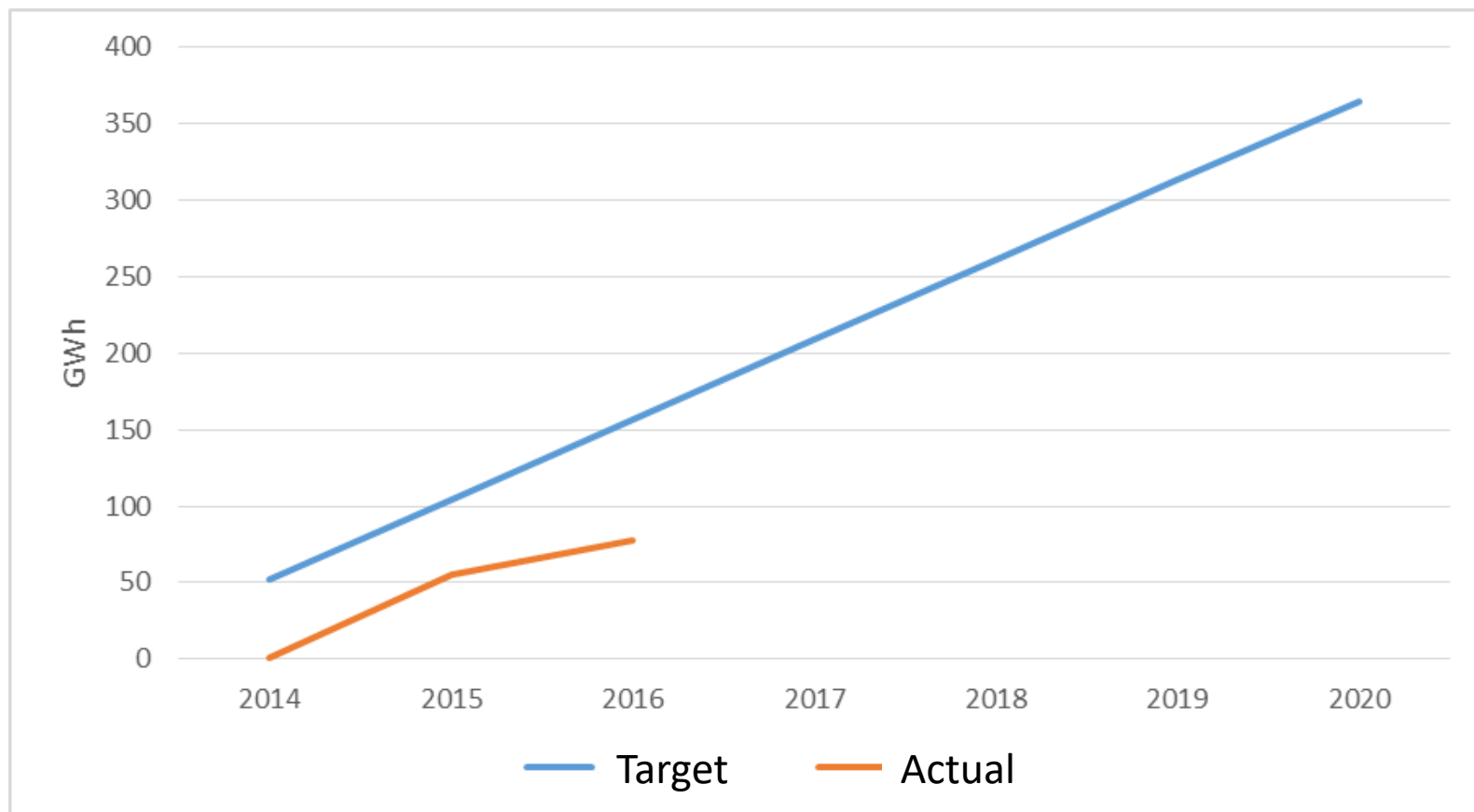
- Central governmental body responsible for coordination of energy efficiency policies is the Ministry of Economy of the Slovak Republic.
- Slovakia has one of the highest targets for energy efficiency by 2020 among all the EU Member States.
- In 2014 Slovakia has reached both indicative targets.



ENERGY SAVINGS - TARGET ART. 7



ENERGY SAVINGS - TARGET – PUBLIC BUILDINGS





Legislation

Energy Efficiency Directive Transposition

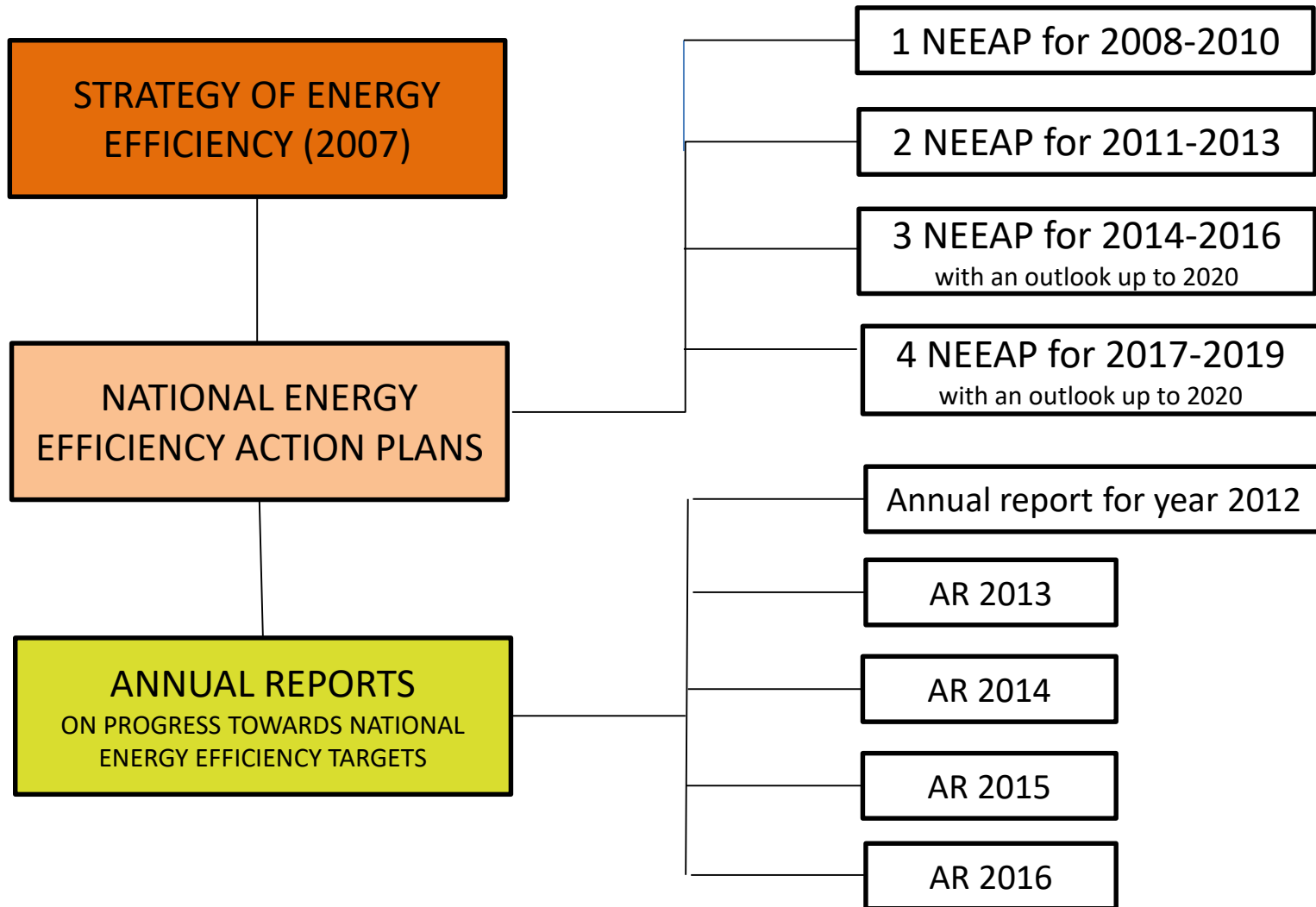
- Amendment of the Heating Law
- Energy Efficiency Law
 - Amends various Laws, which are in relation with energy efficiency
 - In force from 1.12.014
 - Content
 - Introduction and strategies
 - Definitions
 - Buildings
 - Energy Audit
 - Energy Service
 - Information and monitoring
 - Sanctions



ENERGY EFFICIENCY

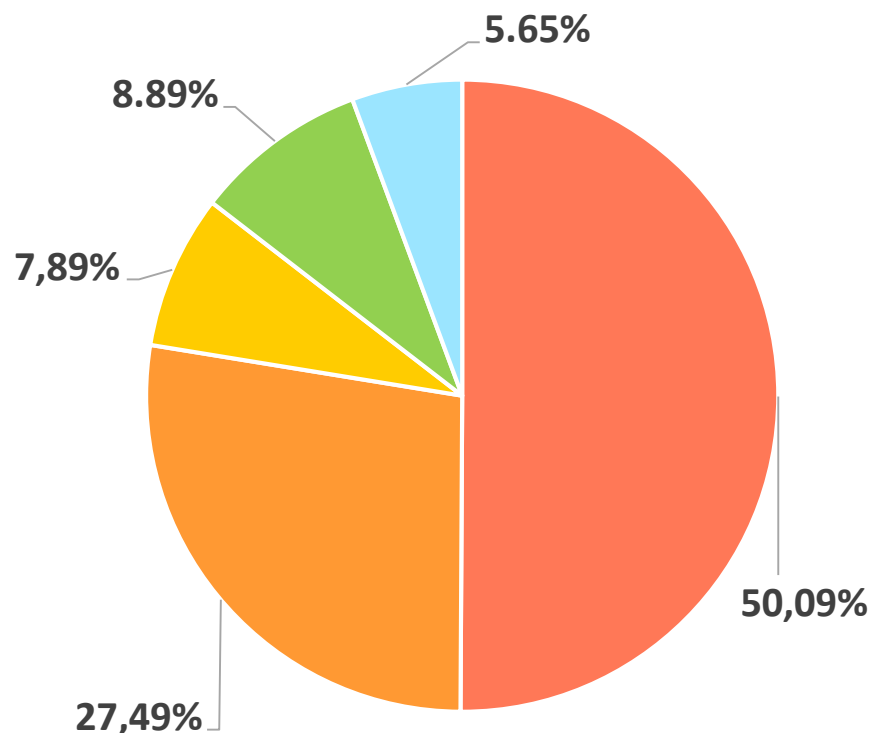
**National Energy
Efficiency Action Plan**

STRATEGIC FRAMEWORK



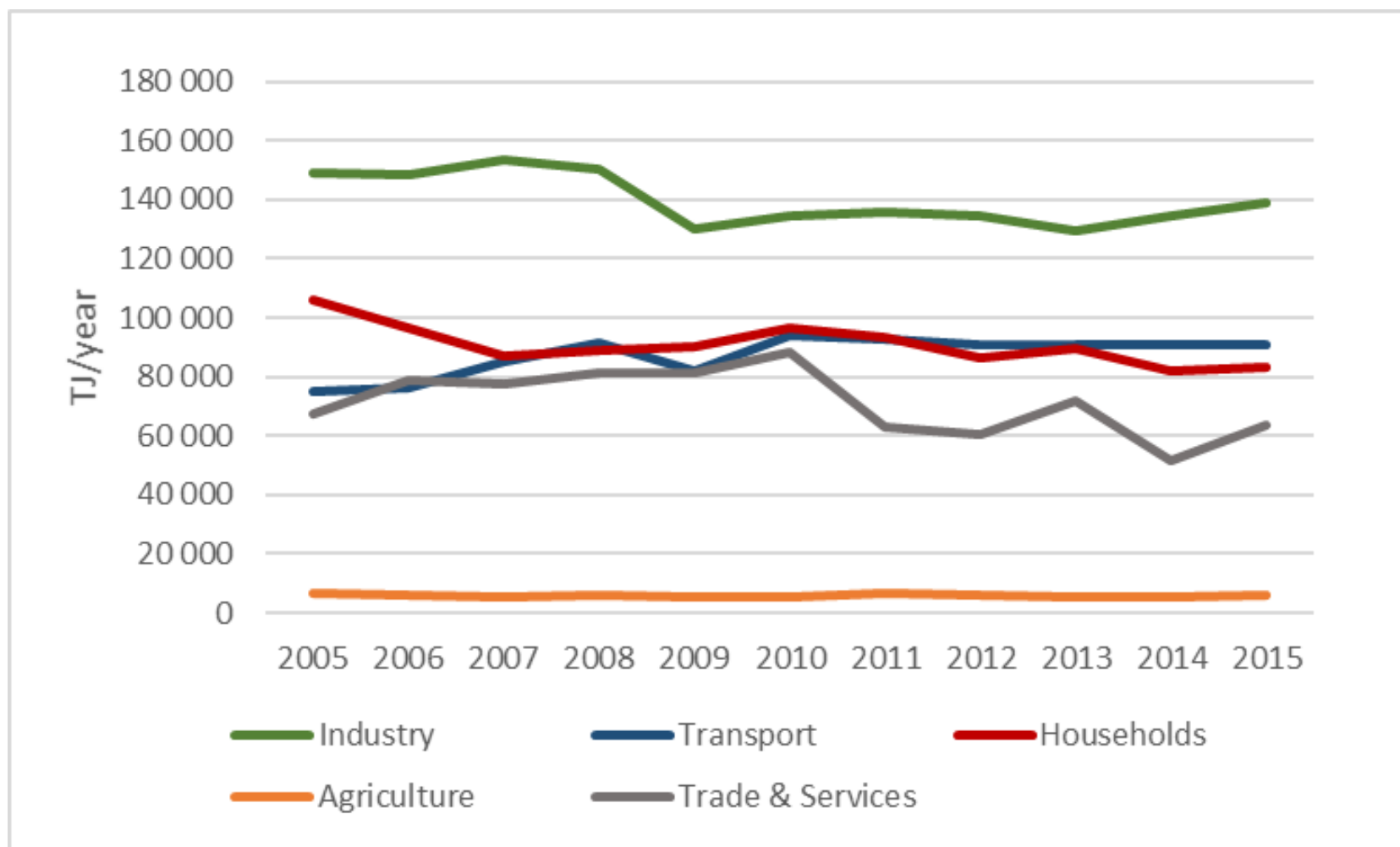
ENERGY SAVINGS IN 2014-2016

NEEAP approved in April 2017 by Slovak Government
Total Savings: 10,085 PJ



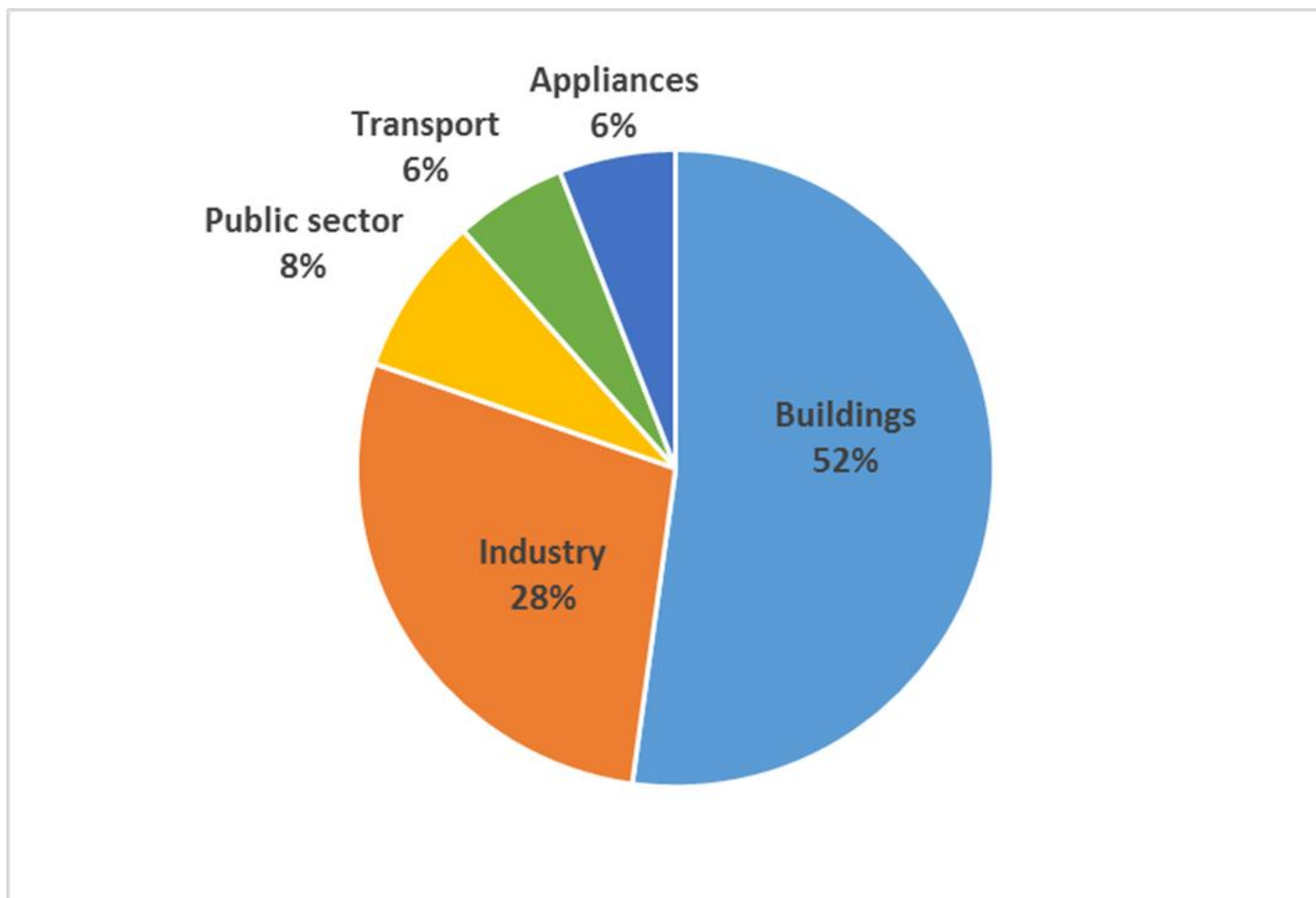
Sector	Savings [TJ]
Buildings	5 051,22
Industry	2 772,04
Public Sector	795,73
Transport	896,52
Appliances	569,77
Total	10 085,28

Sectorial final energy consumption 2005-2015 (TJ)



ENERGY SAVINGS 2014-2016 (TJ)

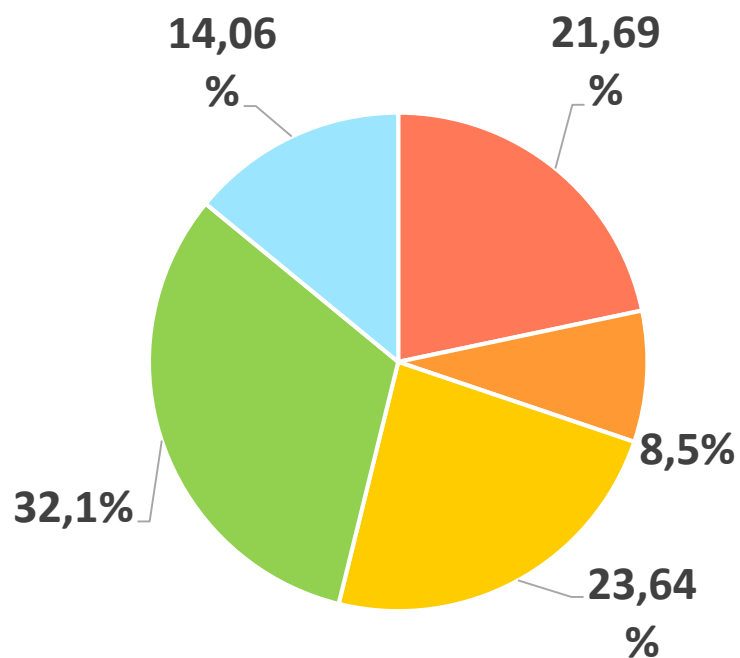
- Total energy savings: 10.1 PJ



4NEEAP (2017)

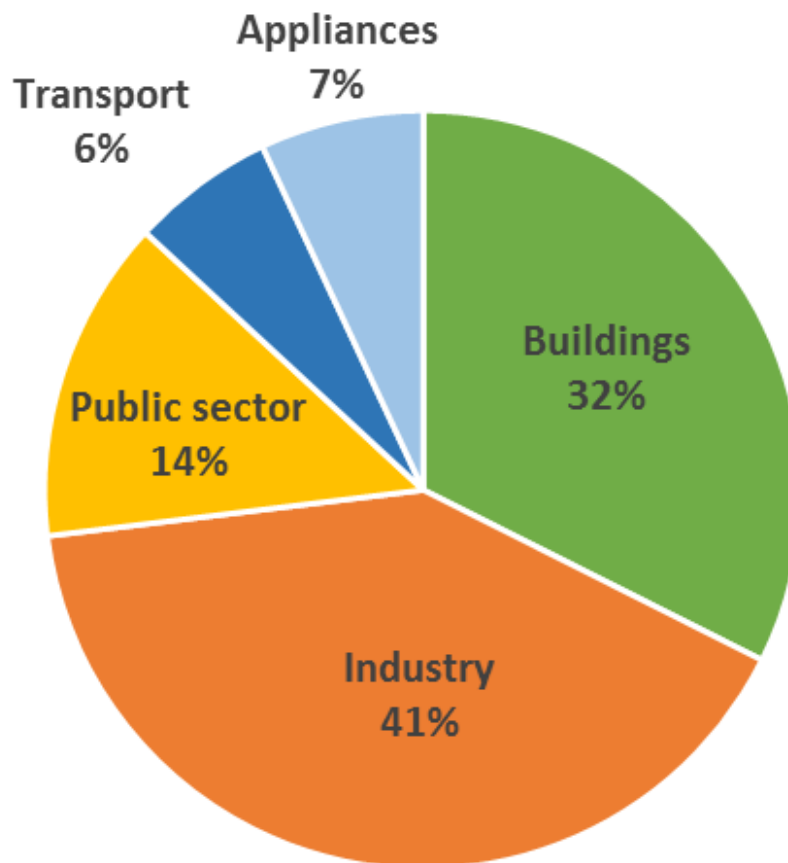
PUBLIC SECTOR – BUILDINGS AND PUBLIC LIGHTING

Type of financing	Savings (TJ)
Buildings - EU 2007-2013	172,63
Buildings - own budget sources	67,67
Buildings – national and international programmes /funds	188,14
Improvement of public lighting	255,46
Technical building systems – Energy services	111,84
Total	795,73



4NEEAP: PLANNED ENERGY SAVINGS MEASURES (TJ) IN 2017-2020

Energy savings: 14.7 PJ

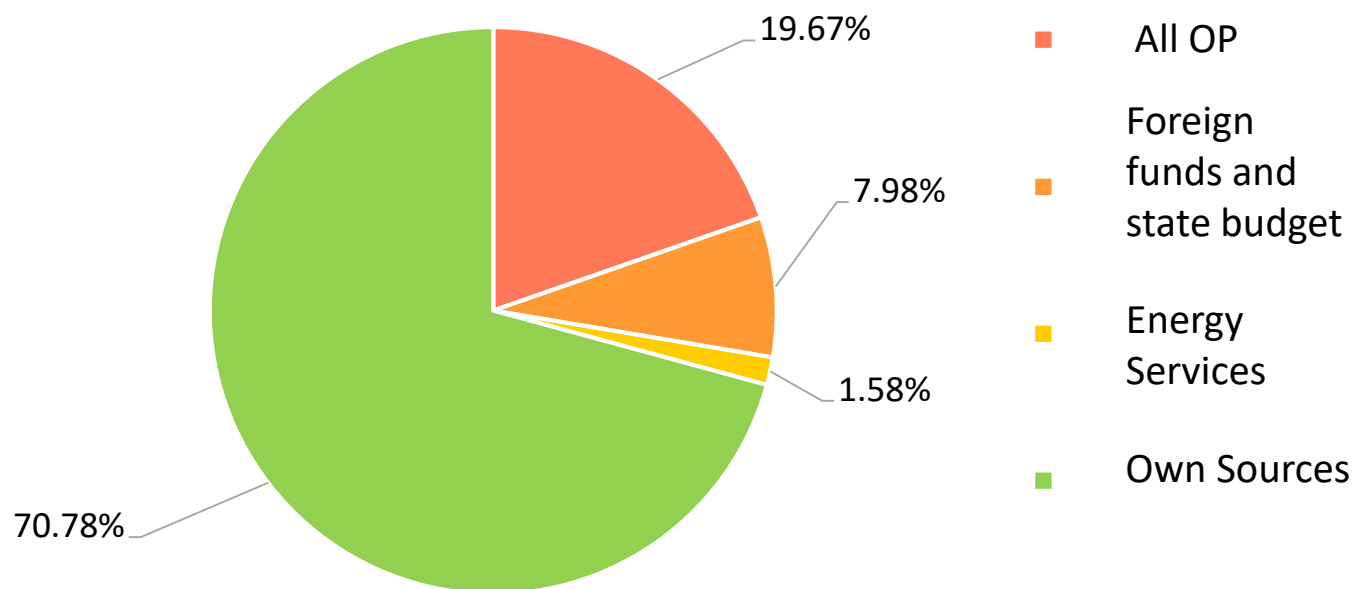




Financing

FINANCING 2014-2016 (EUR)

- Level of financing in 2014-2016: 5,675 Billion EUR
- Structural funds used only in 2014 and 2015



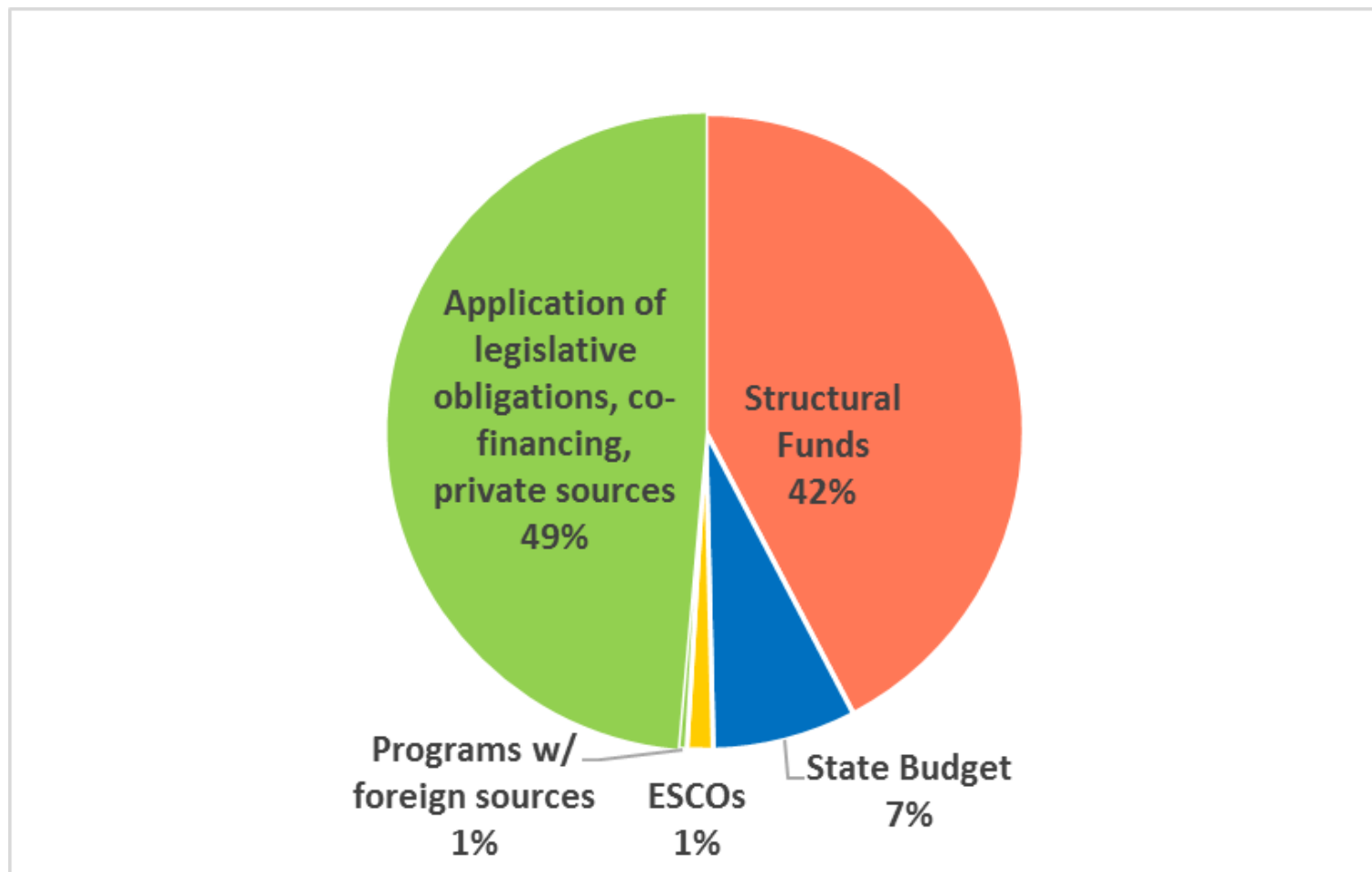
4NEEAP (2017)

- **Structural funds (OP KAHR, OP VaI)**
 - Mandatory reporting of energy savings if appeared
 - In the new period 2014-20 – mandatory energy audit
- **SLOVSEFF II in 2014 - 2015**
 - Energy efficiency - buildings and industry
 - Used financial bonus from NPP decommissioning
 - Commercial loans from EBRD via Slovak banks
- **SLOVSEFF III from 2016 onwards**
 - Using financial bonus from ETS
 - More focused on Emissions and RES

- State Fund of Buildings Development (SFRB)
 - Cumulated financing
 - 3 OP (ROP, OPBK, OP KAHR)
 - State Budget
 - Mandatory creation of „Refurbishment Fund“ for every building block
 - Use of JESSICA for help in project preparation

PLANNING FOR 2017-2020

Financing: 6.2 bil. €





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