

Implementation progress of renewable energy policies in Slovakia

Juraj Novák
Ministry of Economy

RES TARGETS

Directive 2009/28/ES on the promotion of the energy use from renewable sources

14 % RES in gross final energy consumption

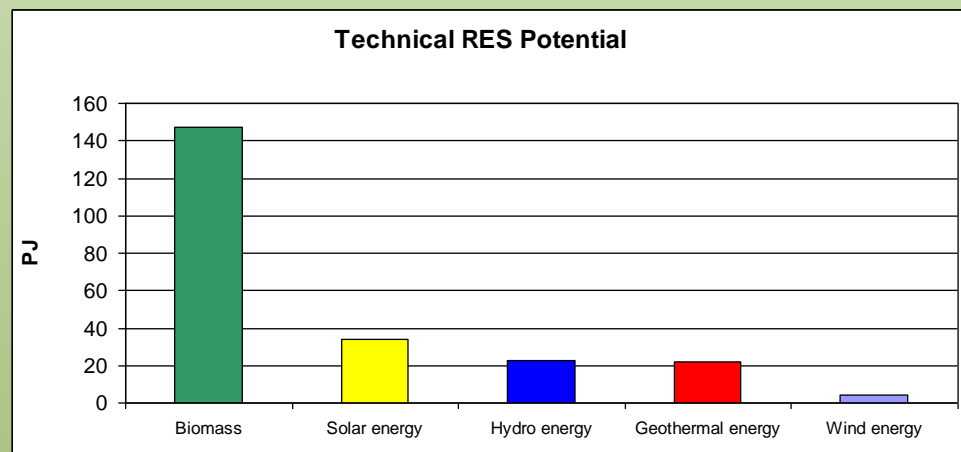
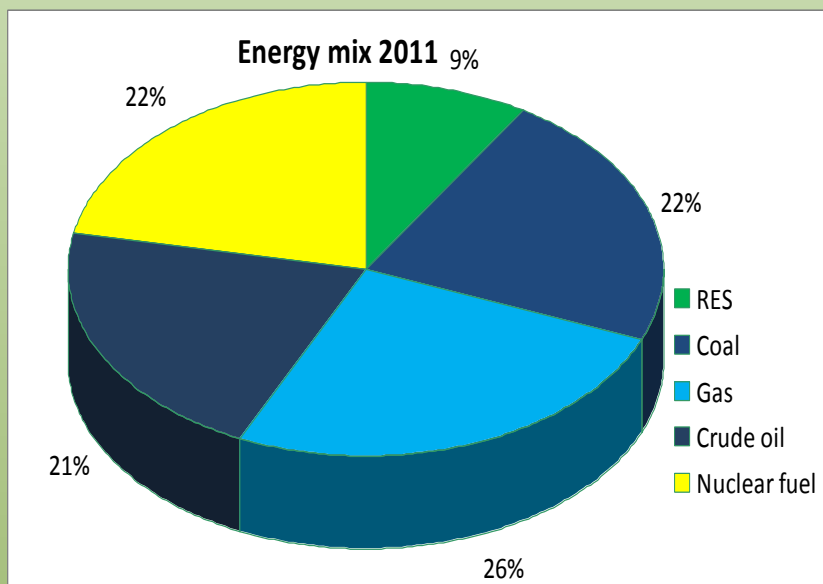
- ❖ 10 % RES in transport

National renewable energy action plan

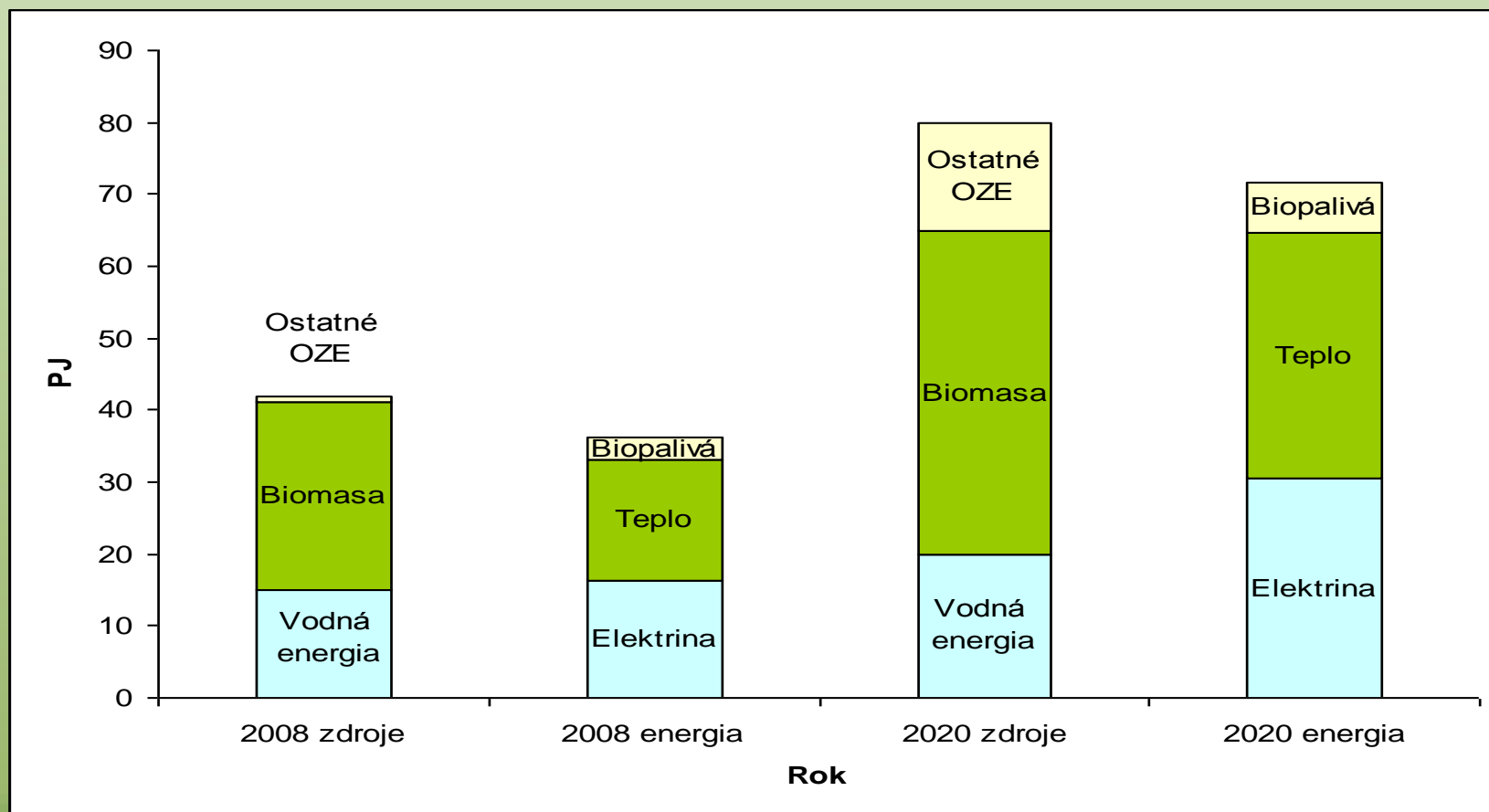
15,3 % OZE in gross final energy consumption

- ❖ 24,0 % electricity from RES
- ❖ 14,6 % heat from RES
- ❖ 10,0 % RES in transport

Energy mix and RES potential

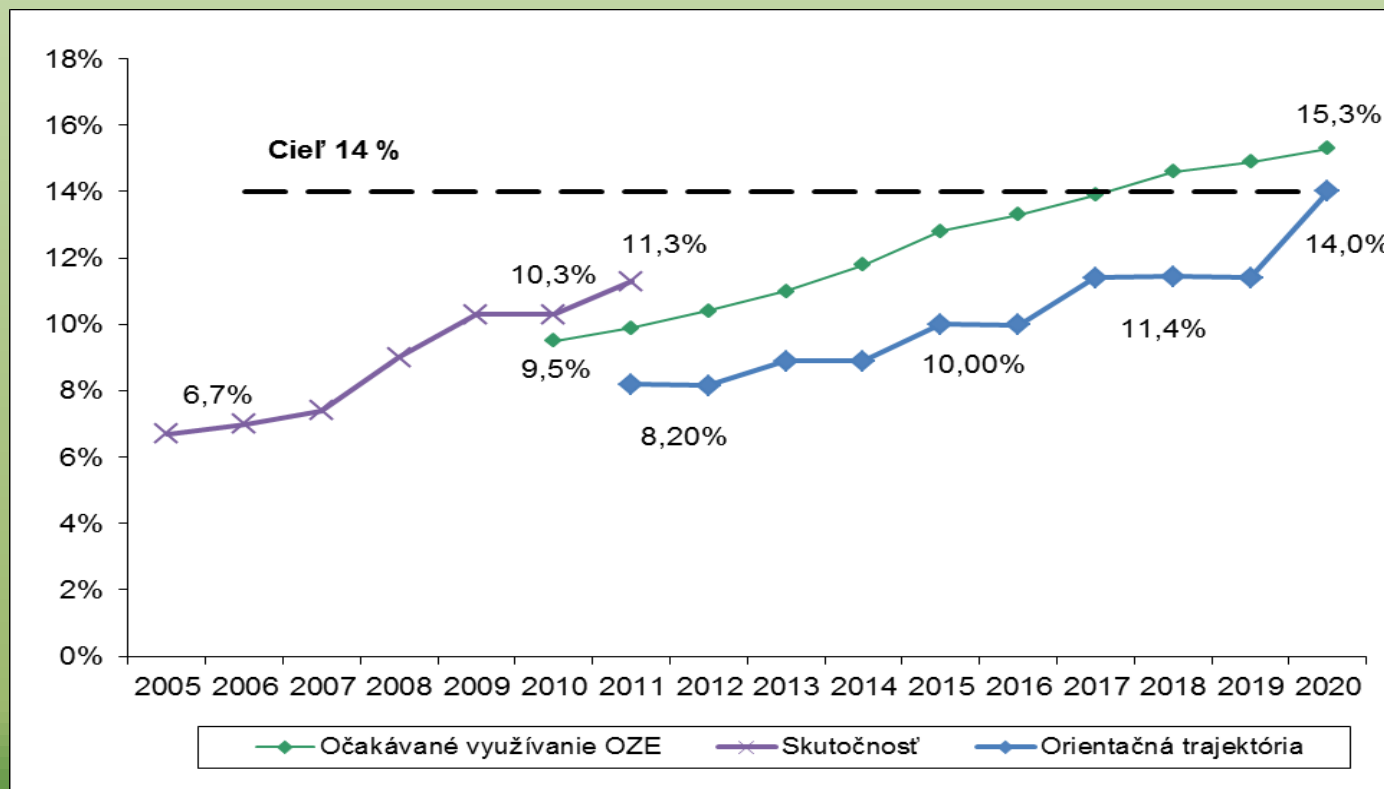


How? How much?



RES utilisation and target fulfilment

- **Utilisation trend: steady growth**
 - Year 2001: 30 PJ
 - Year 2011: 54 PJ (an increase comparable to domestic coal extraction)



Existing measures

Measure	Type of measure	Expected outcome	Target group
Mandatory bio-components blending	regulatory	Increased RES utilisation in transport	Fuel producers
Support for RES in business sector	financial (EU funds)	Electricity and heat generation from RES	investors
Support for RES in households	financial	biomass boilers installation Solar collectors installation	households
Support for electricity generation (feed in tariffs)	legislative	Electricity generation increase of 2,5 TWh	investors
Biomethane generation	regulatory	Utilisation of agricultural biomass	investors
Establishment of licensing system for installers	regulatory	Quality improvement of heat generation facilities	installers

Legislative support

Act No. 309/2009 Coll., on the promotion of renewable energy sources and high-efficiency cogeneration

Approved on 19 July 2009 by National Council of the Slovak Republic

Entered into force on 1 September 2009

Amendments

- Act No. 492/2010 Coll. (entry into force 1. 1. 2011)
- Act No. 558/2010 Coll. (entry into force 1. 2. 2011)
- Act No. 136/2011 Coll. (entry into force 1. 5. 2011)
- Act No. 189/2012 Coll. (entry into force 1. 8. 2012)
- Act No. 373/2012 Coll. (entry into force 1. 1. 2013)
- [Act No. 30/2013 Coll. \(entry into force 1. 3. 2013\)](#)

RES electricity support

Types of RES electricity support

❑ **Preferential**

1. Distribution system connection
2. System access (based on Access contract)
3. Electricity transmission, distribution and supply

❑ **Obligatory purchase** at a price defined by the price for the electricity for losses

❑ **Surcharge, i.e.** the difference between the purchase price and the price for the electricity for losses

❑ **Takeover of the responsibility for imbalances**

Support thresholds

Conditions for RES electricity support

□ **Installed capacity**

- up to 125 MW, poss. 200 MW – maximum thresholds
- up to 10 MW, poss. 15 MW – only partial support above these thresholds
- up to 1 MW – takeover of the responsibility
- Up to 100 kW (30 KW) – support threshold for photovoltaics (1.7.2013)

□ **„age“ of installation**

- 15 years

□ **Other conditions are differentiated by the type of RES**

- Biomass
- Biogas
- Biomethane
- Photovoltaics

Measures „under construction“

- Targeting of 2014-2020 Structural Funds within the RES area towards the RES heat generation
- Streamlining of administrative procedures for small sources
- Support for mechanisms that will enable local and distributed RES installations, and that will shift from surcharge type of support to a support that will not burden the final customer

RES heat generation: a sleeping giant

Starting point

- ❖ Advanced technologies for biomass, geothermal and solar energy are already accessible as cost effective means for CO₂ reduction and decreasing of fossil fuels dependence
- ❖ and are close to massive market uptake

Legislative support

Biomass support through CHP electricity generation (Act nr. 309/2009 Coll.)

Biomethane support

RES heat support in district heating systems

Financial support

EU funds

Biomethane production support „a more effective biogas utilisation“

1st step – a requirement to use heat (min. 50 %) when producing electricity from biogas (year 2011)

2nd step – introduction of Biomethane support (year 2011)

- ❖ Co-financing of gas network connection (75:25)
- ❖ FiT for electricity from Biomethane (generation in high-efficiency CHP)

3rd step – a need to guarantee Biomethane prices (future)

Support of Small plants „for households“

Year 2011

Stopping the boom in photovoltaics (average PV – 1 MW)

Year 2012

Definition of „small plant“ (up to 10 kW) and of „exclusion of business in energy“
„electricity generation in small plant by the producer, if is not applying for support by supplementary payment under legal obligation and who is also electricity consumer in households, and his anual electricit generation is not 1,5 times higher than 12 months real consumption“

Deacreasing of administrative burden

Year 2013

Development strategy of small plants in Slovakia (approved by Slovak government)

Simplification of connection to distribution network (legislation)

Year 2014

Financial support from structural funds

Future financial measures

Measure	Type of measure/ Implementation year	Expected result	Targeted group
Support of heating networks reconstruction	financial (EU funds) 2014	Energy savings, support of district heating	investors
Support of RES utilisation in business sector	financial (EU funds) 2014	RES heating production	investors
Support of RES for heating and cooling in public buildings	financial (EU funds) 2014	Heating and cooling production in public buildings	Public administration

Thank you for you attention !

novak@mhsr.sk