The Biofuels in transport

The Supreme Audit Office of the Slovak republic
Audit conducted from May to August 2014 as a part of EUROSAI WGEA activity
The Audit subject

Assess the achievement of objectives and fulfillment of obligations arising for Slovakia from EU Directives and Regulations in the field of biofuels in transport and in GHG emissions. The compliance audit.
The European biofuel law

The Slovak biofuel law

Since 2004 the Government of the Slovak Republic approved 11th decrees establishing the detailed conditions and rules for biofuels using in transport including implementation of the EU directives from Climate and Energy Package up to 2020
The Key state biofuel policy players

According to the Government decrees the key players and responsible bodies in biofuel policy became The Ministry of Economics.

The audit was focused on 3 ministries and 3 state institutions and 3 institutions were included by side by asking:

The Ministry of Economy of the Slovak Republic
The Ministry of Environment Of the Slovak Republic
The Slovak Hydrometeorological Institute

The Ministry of Agriculture and Rural Development of the Slovak Republic
The Agricultural Paying Agency

The National agricultural and food centre
The Research Institute for Soil Science and Soil Conservation
The Research Institute of Agricultural and Food Economics
The Key private biofuel policy players

Five joint stock companies in Leopoldov and the Slovnaft refinery in Bratislava
The Biofuels sustainable criteria

The compliance of them is the main condition for the recognition of GHG savings
The audit findings

The Ministry of Economics of the Slovak Republic
No biofuels in transport economic evaluation by Ministry of Economics

An economic evaluation how the Slovak republic meet the biofuels in transport commitments in 2012 and 2013 years has not been conducted.

Built biofuels production capacity in the Slovak republic exceed actual consumption of the country.

Slovakia has become biofuels exporter to EU members and export experienced an upward trend.

The audit findings

The Ministry of Economics of the Slovak Republic
The audit findings

The Ministry of Economics of the Slovak Republic
Built biofuels production capacity in the Slovak republic exceed actual consumption of the country in liters per year. The graph below: blue – built biofuels capacity, green – the total production per year, yellow – slovakian overall consumption of biodiesel and bioethanol.

The audit findings

The Ministry of Economics of the Slovak Republic
The list of the slovakian areas eligible for cultivation for the production biofuels fulfilling the sustainability criteria by EU law

The audit findings

The Research Institute for Soil Science and Conservation.
The trend analysis of the total harvested area of maize (violet colour) and rapeseeds (orange colour) from 1970 to 2013

The audit findings

The Research Institute for Soil Science and Conservation.
The trend analysis of average yield for the previous years of maize (violet colour) and rapeseeds (orange colour) from 1970 to 2013.

The audit findings

The Research Institute for Soil Science and Conservation.
The ratio of individual sectors in total GHG emissions in 2012
The transport (blue) 15.4%

The audit findings

The Ministry of Environment and
The Slovak Hydrometeorological Institute.
The Development of GHG emissions in the Slovakian transport sector from 1990 to 2012

The audit findings

The Ministry of Environment and
The Slovak Hydrometeorological Institute.
The audit findings

The Ministry of Environment and
The Slovak Hydrometeorological Institute.

The growth of GHG emissions from transport is caused by growth in fuel consumption.

Increasing the amount of biofuels in fuels has a negligible influence on the increasing trend of GHG emissions.
Establish a coordinating body for the collection and monitoring of data in the field of biofuels in transport in Slovakia led by the Ministry of Economy.

Ensure regular state supervision in the field of biofuels in transport in accordance with Act. No. 309/2009

Recommendations
Thank you for your attention.