

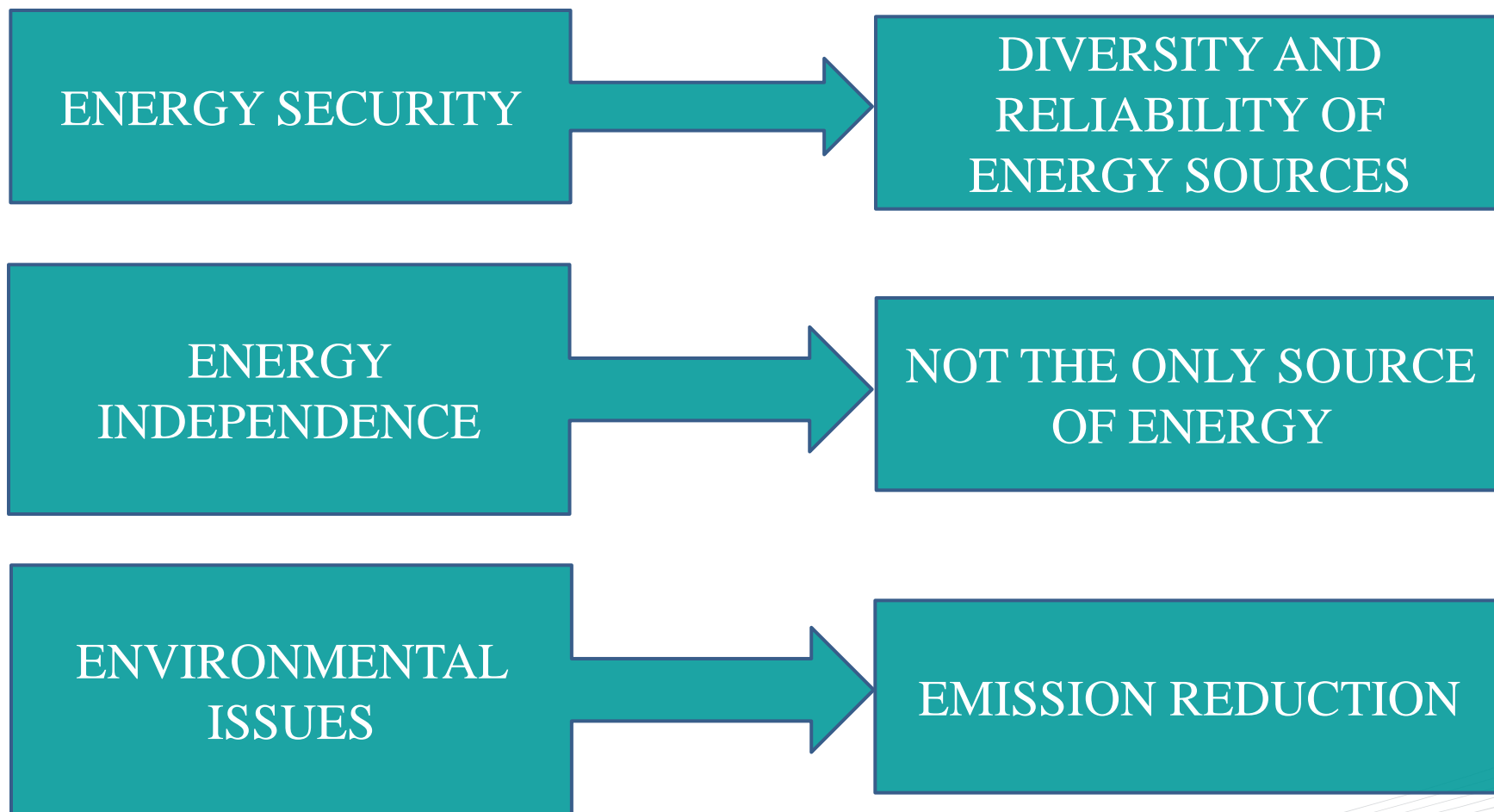


USE OF THE POTENTIAL OF RENEWABLE ENERGY SOURCES IN LITHUANIA

Performance audit
(finished in 2010)

Vaida Barizienė
Principal auditor
National Audit Office of Lithuania
April 2015, Tallinn

Goals of the use of renewable energy sources



International commitments

20 %

REDUCTION OF FINAL ENERGY
CONSUMPTION

20 %

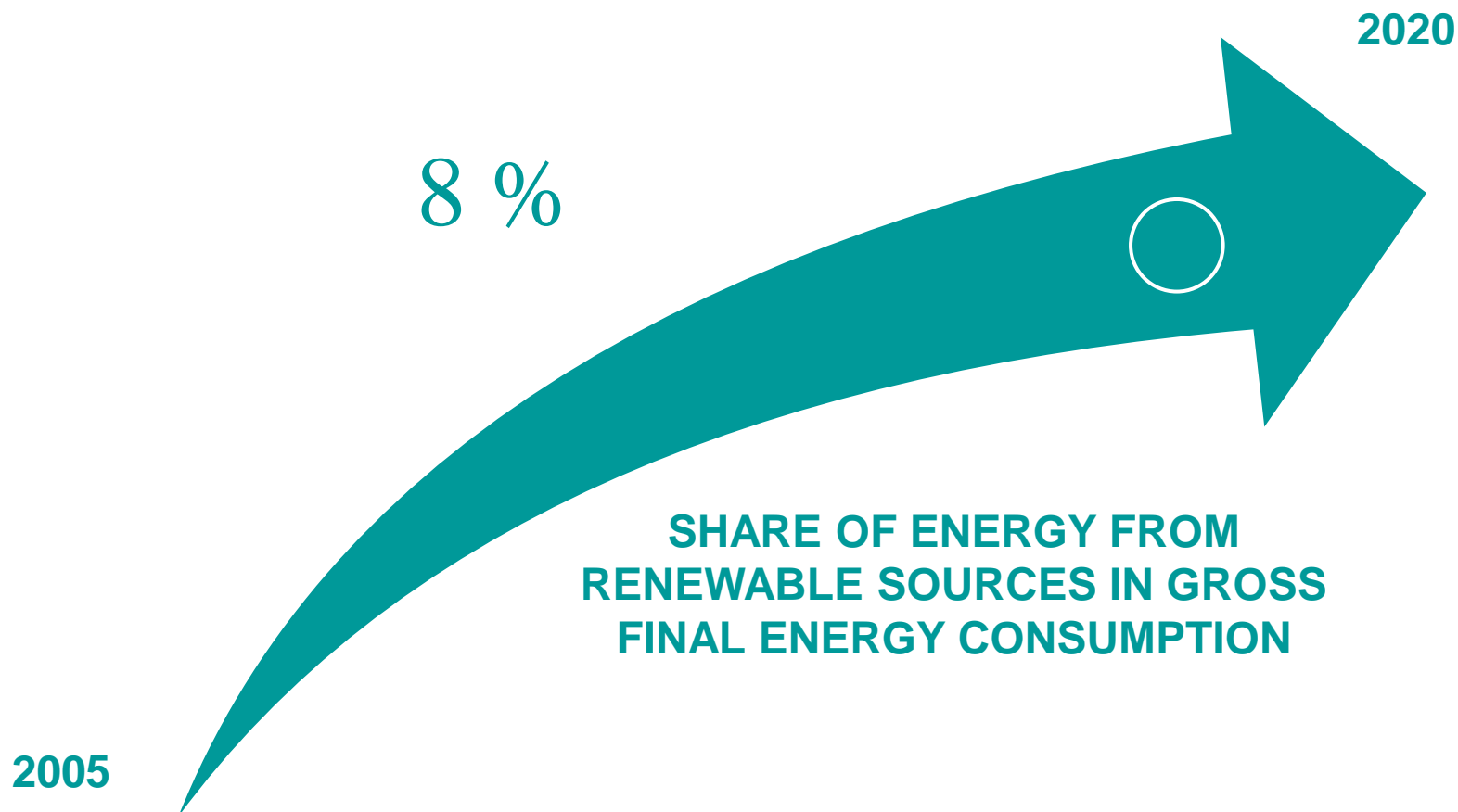
REDUCTION OF CO₂ EMISSIONS

20 %

COGENERATION OF ENERGY FROM
RENEWABLE SOURCES



EU mandatory target





AUDIT OBJECTIVE

TO EXAMINE AND EVALUATE
THE STATE INPUT INTO THE USE
OF POTENTIAL OF RENEWABLE
ENERGY SOURCES

AUDIT CRITERIA

- A reserve-to-use ratio
- Compatibility of RES development with the energy security of the state
- Compliance of energy from renewable sources with green energy
- Complexity of the use of RES

KAUNAS
UNIVERSITY OF
TECHNOLOGY

LITHUANIAN
ENERGY
INSTITUTE

MINISTRIES OF
ENVIRONMENT,
ENERGY AND
ECONOMY

WE COLLECTED
INFORMATION FROM

LITHUANIAN
GEOLOGICAL
SURVEY

ASSOCIATIONS
OF RES AND
PRODUCERS

LITHUANIAN
BUSINESS
SUPPORT
AGENCY

AUDIT FINDINGS



**LITHUANIA HAS
ENOUGH
RENEWABLE
ENERGY RESERVES**

AUDIT FINDINGS



**THE NATIONAL
ENERGY STRATEGY
HAS NOT BEEN
UPDATED**

AUDIT FINDINGS



**LACK INTEGRATED
DEVELOPMENT OF
ENERGY FROM
RENEWABLE
SOURCES**

AUDIT FINDINGS



**NOT EVERYTHING IS
GREEN WHICH IS
SUPPOSED TO BE GREEN**

**THE TARGET SHOULD BE
TO DEVELOP THE
PRODUCTION OF GREEN
ENERGY**

AUDIT FINDINGS



**THERE IS NO BALANCED
AND STABLE SYSTEM FOR
PROMOTING THE
DEVELOPMENT OF
ENERGY FROM
RENEWABLE SOURCES**

AUDIT FINDINGS

RESEARCH OPPORTUNITIES OF THE COUNTRY ARE NOT USED



**Scientists can help set
strategic targets, mobilise
research capacities, plan
applied research and
experimental development
work**

CHANGES AFTER THE AUDIT

REVISION OF THE LEGAL BASIS

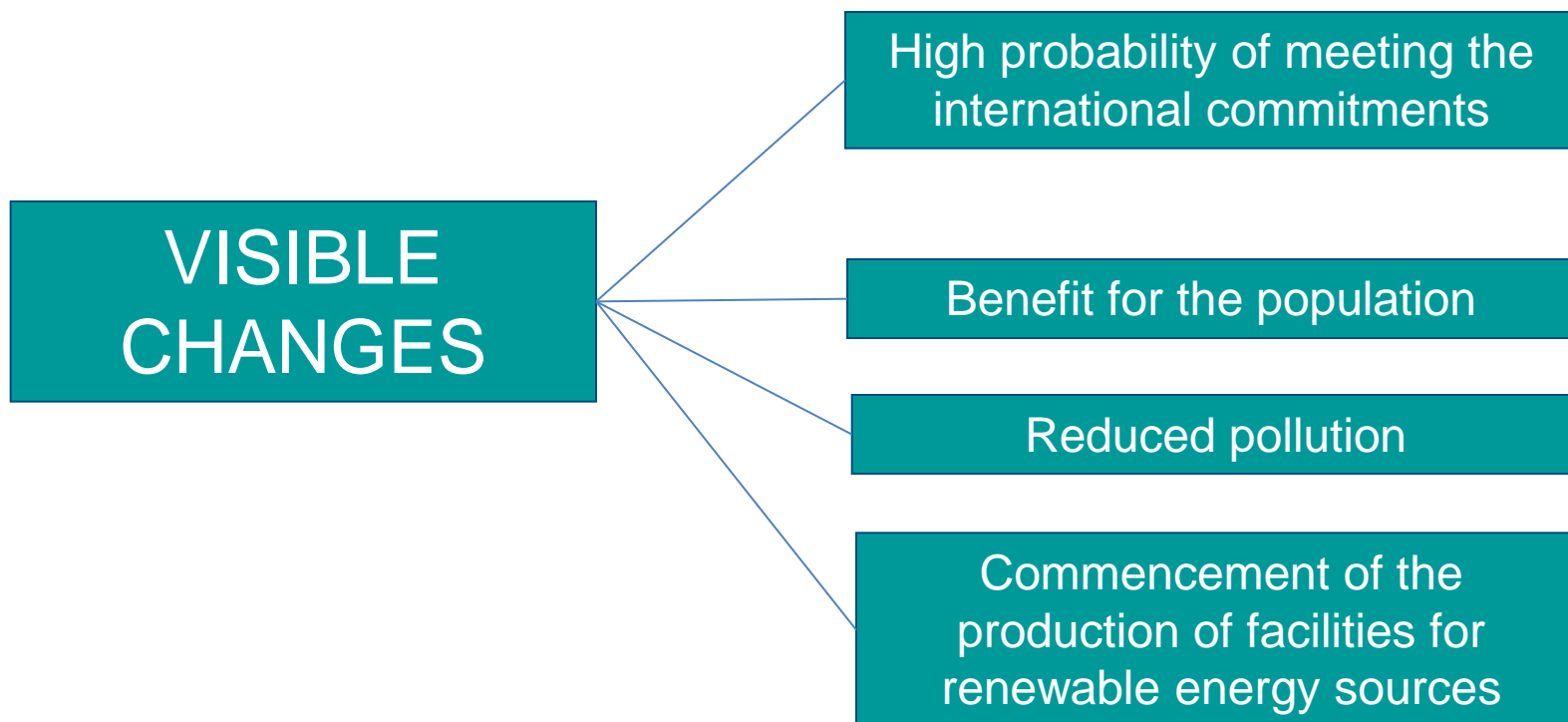
Development of the National
Energy Independence Strategy

Approval of the Renewable
Energy Development
Programme

Revision of the provisions of the
Law on Energy from Renewable
Sources

Adoption of new regulations or
revision of the existing ones

CHANGES AFTER THE AUDIT



General information

	2012	201	2015-2016	2017-2018	2019-2020
1. PLANNED SHARE OF RENEWABLE ENERGY SOURCES IN THE ELECTRICITY SECTOR (%)	11	13	14	15	20
2. PLANNED SHARE OF RENEWABLE ENERGY SOURCES IN THE HEATING AND COOLING SECTOR (%)	35	38	40	43	45
<i>THE SHARE OF RENEWABLE ENERGY SOURCES IN INDIVIDUAL SECTORS PROJECTED FOR THE ATTAINMENT OF THE TARGET:</i>					
2.1. PLANNED SHARE OF RENEWABLE ENERGY SOURCES IN THE DISTRICT HEATING SECTOR (%)	28	40	50	60	70
2.2. PLANNED SHARE OF RENEWABLE ENERGY SOURCES IN THE SECTOR OF INDIVIDUALLY HEATED HOUSES (%)	68	69	71	72	74
2.3. PROJECTED SHARE OF RENEWABLE ENERGY SOURCES IN THE SECTOR OF INDIVIDUALLY HEATED NON-HOUSEHOLD CONSUMERS (%)	14	14	14	13	13
3. PLANNED SHARE OF RENEWABLE ENERGY SOURCES IN THE TRANSPORT SECTOR (%)	4,8	4,9	5,1	5,3	5,5
4. PROJECTED SHARE OF RENEWABLE ENERGY SOURCES COMPARED TO GROSS FINAL ENERGY CONSUMPTION (%)	22	24	25	26	29

REMARKS AND SUGGESTIONS

- The potential of renewable energy sources in Lithuania is higher than it is actually used.
- Since the audit covered the potential of the use of all RES in Lithuania, the only thing that could be audited in future is the development of individual RES.
- The issue of renewable energy sources is equally relevant today as it was in 2010.