

LT and SDG







































Rating

- SDG achievedChallenges remain
- Challenges remain
 Significant challenges remain
- Major challenges remain
 (information unavailable)

Trend ↑ On track to achieve goal by 2030 Score moderately increasing, insufficient to attain goal Core stagnating or increasing at less than 50% of required rate Score decreasing Trend information unavailable





PO2 A LOW CARBON AND GREENER EUROPE

- SO2.4 promoting climate change adaptation, risk prevention and disaster resilience ERDF/CF (ESF+)
- SO2.5 promoting sustainable water management ERDF/CF
- SO2.6 promoting the transition to a circular economy ERDF/CF (ESF+)
- SO2.7 enhancing biodiversity, green infrastructure in the urban environment, and reducing pollution ERDF/CF
- improvement of education and training systems necessary for the adaptation of skills and qualifications, the upskilling of all, including the labour force, the creation of new jobs in sectors related to the environment, climate and energy, and the bio-economy ESF+



Enabling condition for SO2.4 Effective disaster risk management framework

National Risk Assessment and action plans

Updating Assessment with forecast Adoption of the Water management Program 2021-2029 (Government Resolution)



2019 2020

2021

2022

Action plan (Description of the disaster prevention, preparedness and response measures) Adoption of the
Action Plan (Flood
and urban flood
protection) plan for the
implementation of Water
management program



SO2.4 promoting climate change adaptation, risk prevention and disaster resilience ERDF/CF (1/7)

Key risks in National Risk Assessment 2018

Very high

- 1. Natural, catastrophic hydrological and meteorological phenomena
 - 2. Epizootics
 - 3. Flood
- 4. Epidemics and / or pandemics
 - 5. Large industrial accident

High

- 6. Cyber attacks
- 7. Threat to the state security *High*
- 8. Contamination with radioactive materials
 - 9. Drought
- 10. Mass influx of foreigners
 - 11. Terrorism attacks
 - 12. Transport incidents
- 13. Mass disorder
- 14. Focus of harmful organisms

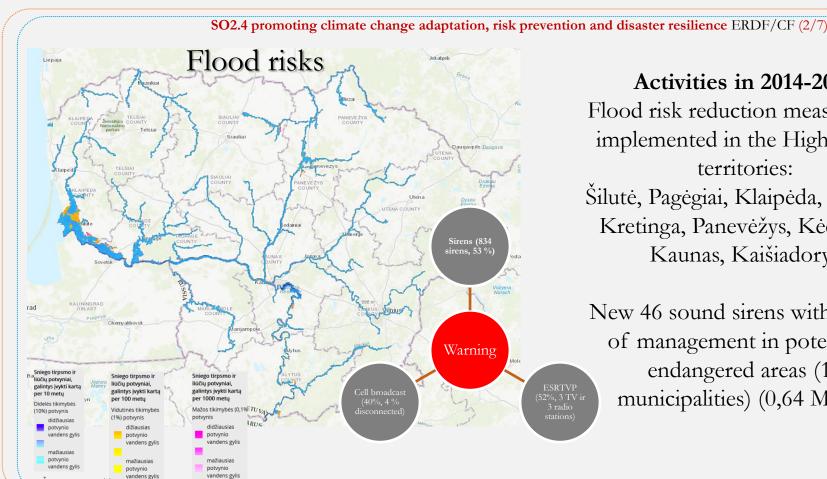
Medium

- 15. Nuclear accidents
- 16. Forest and peat fires

Acceptable

- 17. Incidents at the sea
- 18. Fires and (or) explosions
- 19. Coast pollution because of oil spill at the sea





Saltinis: https://www.arcgis.com

Activities in 2014-2020

Flood risk reduction measures are implemented in the Highest risk territories:

Šilutė, Pagėgiai, Klaipėda, Palanga, Kretinga, Panevėžys, Kėdainiai, Kaunas, Kaišiadorys

New 46 sound sirens with system of management in potentially endangered areas (14 municipalities) (0,64 MEur)



Intervention measures

- implementation of flood risk reduction measures
- implementation
 of measures to
 reduce the risk of
 urban flooding

2014-2020(23)

- 10.000 population benefiting from flood protection measures
- 15 M€ CF for flood risk measures
- covered by new and/or reconstructed infrastructure for the treatment of collected surface (rain) water
- 79 M€ CF for urban floods

Needs/Expected outcomes 2021-2027(30)

• **8.000 population**benefiting from flood
protection measures

 30.000 ha surface area covered by new and/or reconstructed infrastructure for treatment of collected storm water



Current situation in rescue system



29 % of fire trucks are older than 20 years



15 % of fire trucks do not possess hydraulic rescue equipment



65 % of rescue units do not possess thermal cameras



42 % of fire ladder trucks are older than 20 years



50 % of fire trucks do not possess floating pumps, which are intended to fire fighting

MINISTERIIA



10 % of residents who are aware of safe behaviour in case of disasters



mobile simulator for search and rescue works. In bad condition

SO2.4 promoting climate change adaptation, risk prevention and disaster resilience ERDF/CF/ESF+(4/7)

Intervention measures

Strengthening of rescue systems

• Improvement of the hazard warning and strengthen preparedness to respond to disasters

2014-2020(23)

- New rescue, fire fithing transport and other rescue equipment (3,7 M€ ERDF)
- New 62 rescue modules (16,4 M€ ERDF)
- New 46 sound sirens
 with system of
 management in
 potentially
 endangered areas
 (0,64 M€ ERDF)

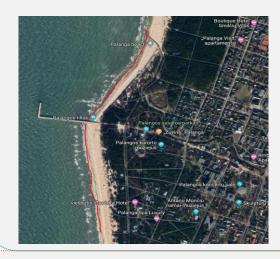
Needs/Expected outcomes 2021-2027(30)

- Reduce the number of fire trucks which are older than 20 years from 29 % to 10 %
- Reduce the number of fire ladder/platforms trucks which are older than 20 years from 42 % to 10 %
- Reduce the number of specialized transport vehicles which are older than 20 years from 43 % iki 10 %
- Purchase 40 new transport vehicles instead of hired (renting) vehicles
- 100 % provision for Fire and Rescue Forces
- · Mobile simulator for search and rescue works
- Hazard warning by sound sirens covers 85% of residents and economic entities
- Installed United (Common) Emergency Management Information System
- Internet website for raising public preparedness to respond to disasters (civil protection training, measures for education and training, raising knowing of LT72 platform)

IDAUS REIKALI MINISTERIIA

Intervention measures

Lithuania Baltic sea
 Coastline (90,6 km)
 Management, which aims
 to reduce the damage
 caused by climate change
 and other anthropogenic
 factors.

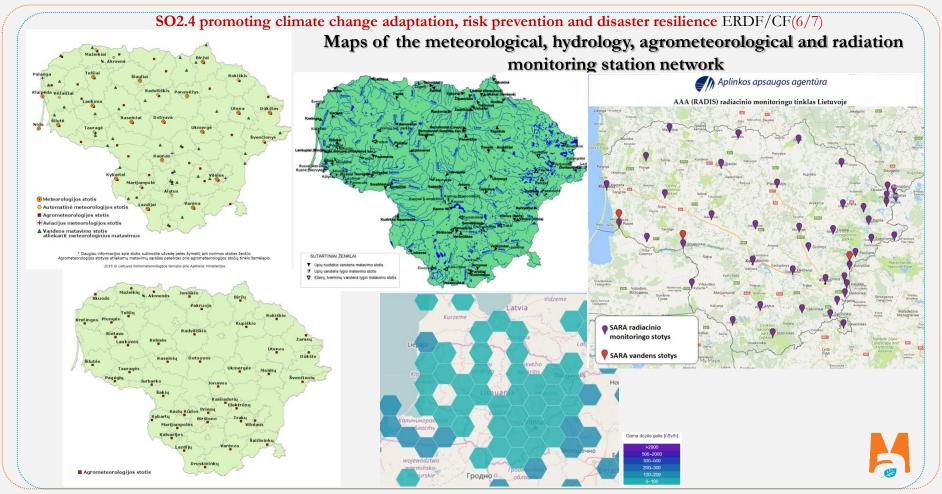


2014-2020(23)

- 400 000 m3 of sand to the stretch of central beaches of Palanga (2 km) 4,6 M€ CF
- Halting of the intense degradation of the Baltic Sea coast on the Curonian Spit, claiming a dune ridge (18 km)
 1,9 M€ CF

- The Baltic Sea level will rise to 7 cm by 2027
- Destruction of the Lithuanian continental coast will be intensified beach nourishment with sand, beach dune ridge growth and protection measures is needed (will be identified in Coastal Zone Management Programme for 2021-2030





Intervention measures

 Optimisation of all kind of capacities necessary for environmental monitoring, assessment and control

2014-2020(23)

- 199 New or renewed ambient air monitoring and early warning, hydrological and meteorological observation stations
- 150 New or renewed equipment kits for environmental monitoring and control
- 23 M€ CF

- **200** new or renewed sets of equipment
- Renewed forest fire warning system
- capacity building of
 10.000 specialists in environmental monitoring, control and environmental impact assessment ESF+



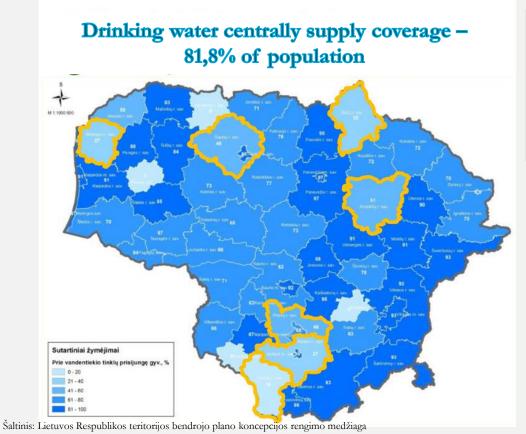
Enabling condition for SO2.5

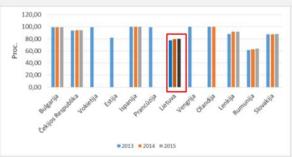
Updated planning for required investments in water supply and wastewater sectors





SO2.5 promoting sustainable water management ERDF/CF (1/6)



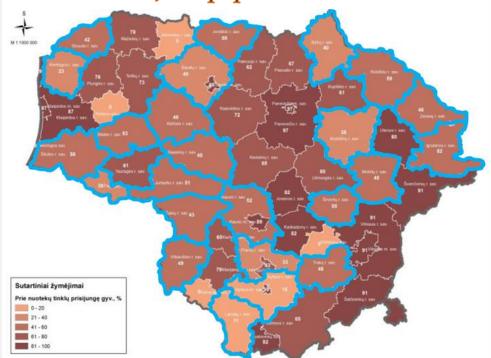


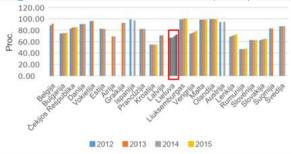
- < 15 proc.:
- Lazdijų raj. savivaldybė
- < 40 proc.:
- Kretingos raj. savivaldybė
- Biržų raj. savivaldybė
- Alytaus raj. savivaldybė
- < 60 proc.:
- Šiaulių raj. savivaldybė
- Anykščių raj. savivaldybė
- · Prienų raj. savivaldybė
- Skuodo raj. savivaldybė



SO2.5 promoting sustainable water management ERDF/CF (2/6)







- < 15 proc.:
- Lazdijų raj. savivaldybė
- < 40 proc.:
- Kretingos raj. savivaldybė
- Šiaulių raj. savivaldybė
- Anykščių raj. savivaldybė
- Prienų raj. savivaldybė
- Biržų raj. savivaldybė
- · Alytaus raj. savivaldybė
- Pagėgių savivaldybė

< 60 proc.:

 16 savivaldybių (Šilutės, Rokiškio, Kauno, Vilkaviškio, Raseinių, Jurbarko, Šakių, Šilalės, Kelmės, Joniškio, Molėtų, Širvintų, Zarasų, Ignalinos ir Skuodo rajonų bei Trakų)



SO2.5 promoting sustainable water management ERDF/CF (3/6)

Remaining Challenges

- To comply fully with UWTTD in part of connecting remaining population to centralized systems
- Addressing drinking water quality issues, especially in smaller agglomerations and settlements within the public water provision areas
- Only half of public water companies (~30 out of
 62) are not loss making and are in position to
 provide reliable and quality services



SO2.5 promoting sustainable water management ERDF/CF (4/6)

Intervention measures

 Water supply and wastewater treatment

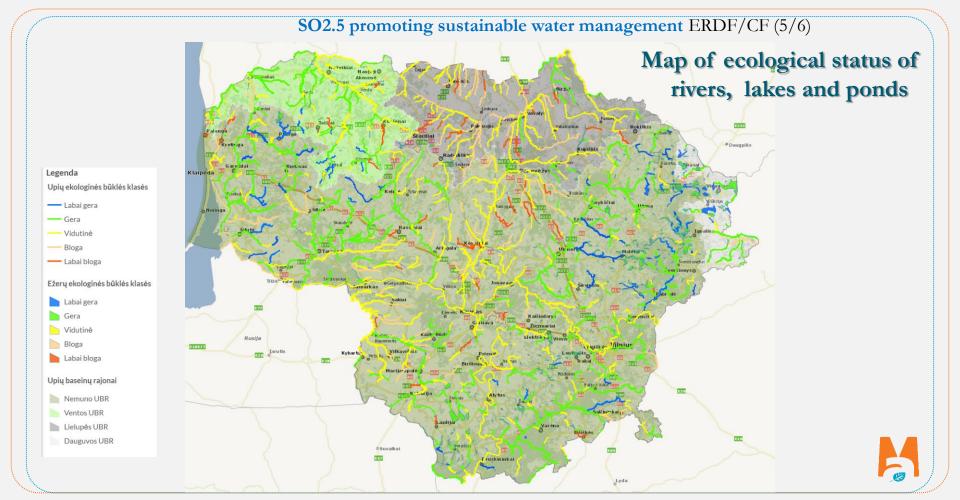
Overall goal

• to provide quality and affordable water and sanitation services to all citizens and ensure good status of water bodies

2014-2020(23)

- Water management Fund has been established on 2019 and started operations
- Proposals for water sector reform developed by 2020
- All WWTPs will be UWWTD compliant by end of funding period
 - 62 000 new population will be connected to wastewater collection networks
 - 32 000 new population will be connected to drinking water supply networks
- 301,9 M€ CF

- To provide the quality drinking water services to additional 100 000 inhabitants, as per requirements of DWD
- To provide sanitation services to 200 000 inhabitants in agglomerations smaller than 2000 p.e.- to reduce regional disparities and mitigate pollution affecting the status of water bodies;
- To reform entire water sector in order to improve quality, coverage, operational efficiency and affordability of water and sanitation services;
- Funding via Water Fund by means of soft loans/guarantees to the reformed water companies
- 300 M€ for financial instruments (loans, guarantees or capital investment)



SO2.5 promoting sustainable water management ERDF/CF (6/6)

Intervention measures

 Management of water resources, monitoring and improvement of the status of the Baltic Sea, the Curonian Lagoon and other water bodies

2014-2020(23)

- Remediation measures applied to 80 water bodies
- 53 % (2015) surface waters (total 1185) in good status
- 11,7 M€ CF

- Remediation measures applied to at least Min
 200 water bodies
- 100 %? surface waters (total 1185) in good status



Enabling condition for SO2.6

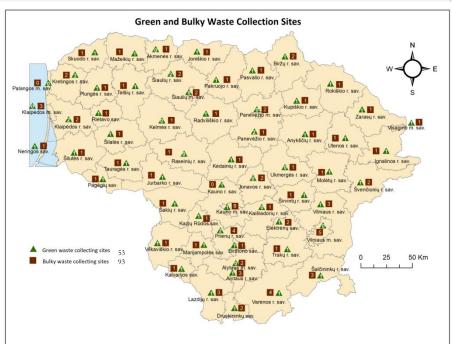
Waste management plan(s) are in place in accordance with Article 28 of Directive 2008/98/EC as amended by Directive EU 2018/851/EC and covering the entire territory of the Member State

The National Waste Prevention and Management Plan



SO2.6 promoting the transition to a circular economy ERDF/CF (1/6) Waste Management Infrastructure

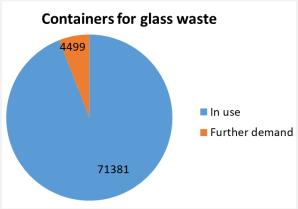


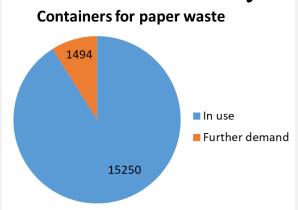




SO2.6 promoting the transition to a circular economy ERDF/CF (2/6)

Containers for secondary raw materials









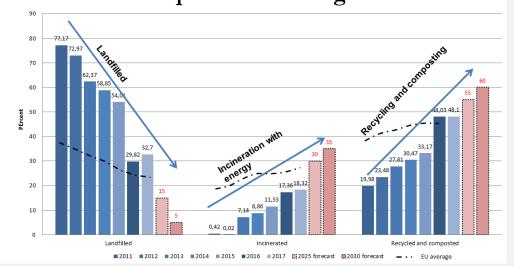






SO2.6 promoting the transition to a circular economy ERDF/CF (3/6) Current situation and challenges





	Year	LT	EU	
	2012	445	486	
	2013	433	479	
	2014	433	478	
	2015	448		
allenges	2016	444		
800	2017	455	486	

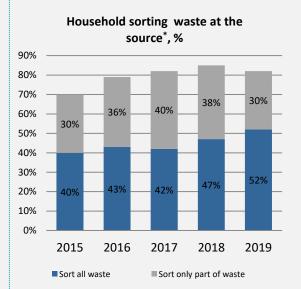
Generation of Municipal waste, kg per

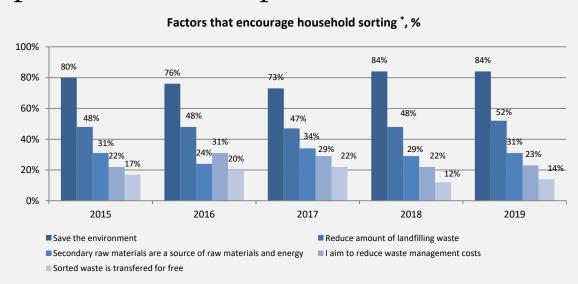
Ch

- Reduce waste generation per capita
- Increase preparation for re-use and recycling of municipal waste (60 % by 2030);
- Reduce the amount of municipal waste landfilled (10 % or less of the total amount of municipal waste generated)

SO2.6 promoting the transition to a circular economy ERDF/CF (4/6)

Raising public awareness, changing behavior, promoting responsible consumption





Various social projects, promotions, campaigns, events, initiatives to raise public awareness, waste prevention and proper waste sorting at the source



SO2.6 promoting the transition to a circular economy ERDF/CF (5/6)

Measures/Steps Towards the Shift to the Promotion of waste prevention Circular Economy

and preparation for re-use Promotion of waste sorting Awareness raising campaigns (application of a new fee calculation Funding for waste/ methodology for municipal waste separate waste management: binary payment (variable collection containers (EU + fixed part) and national funds) Approval of **end of** Review of waste criteria at environmental pollution national level taxes (taxes according recyclability of packaging) Increase of landfill tax (landfill – the most expensive Separate **food waste** collection, Implementation of option) compost quality criteria and

certification



packaging and waste

Unified product,

SO2.6 promoting the transition to a circular economy ERDF/CF (6/6) Aim: Shifting towards highest steps of the waste hierarchy

Intervention measures

- Investments in separate collection of (paper, metal, plastic, glass, biowaste, textile waste and hazardous waste produced by households
- Investments in preparation for re-use and recycling
- Waste prevention, raising public awareness

2014-2020(23)

- 170 000 t/year additional/improved municipal waste separate collection capacity
- 20 000 t/year additional/improved capacity of food waste treatment
- 91,6 M€ CF

52 % of household separate all waste

Needs/Expected outcomes 2021-2027(30)

- Waste management targets achieved (2030 / 2035)
- Increased preparation for re-use and recycling of different waste flows, including household hazardous waste
 - Increased textile waste recycling capacities

CIRCULAR ECONOMY

90 % of household separating all waste Increased public awareness Reduced amount of waste

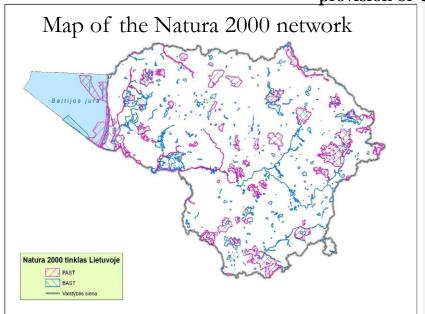
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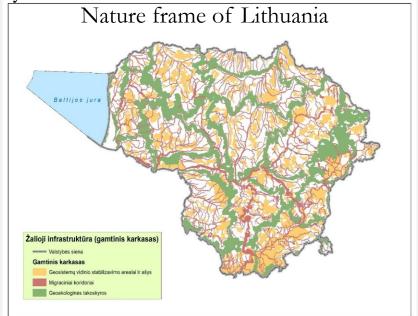
SO2.7 enhancing biodiversity, green infrastructure in the urban environment, and reducing pollution ERDF/CF (1/5)

Goal for Biodiversity and Landscape

To halt biodiversity loss, to ensure stable functioning of the Nature Frame and an uninterrupted

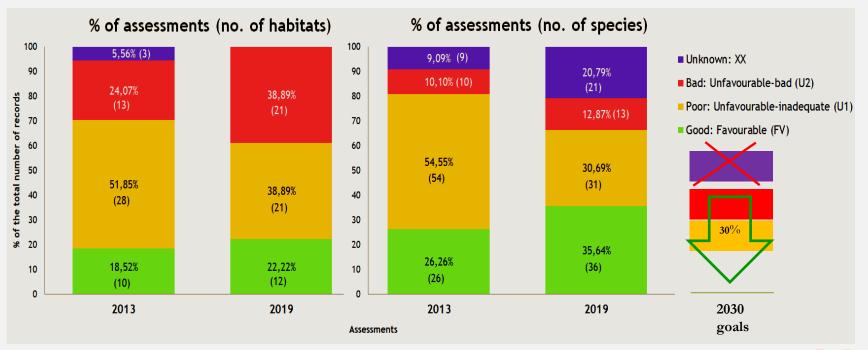
<u>provision of</u> ecosystem services







Conservation status of habitats and species





SO2.7 enhancing biodiversity, green infrastructure in the urban environment, and reducing pollution ERDF/CF (3/5)

Intervention measures

- Conservation of native species, habitats and genetic resources, restoration of populations of protected species and control of invasive species
- Strengthening of functions of Nature Frame and ecosystem services, and implementation of nature based solutions in urban areas
- Development of methods for the conservation status surveillance and research

2014-2020(23)

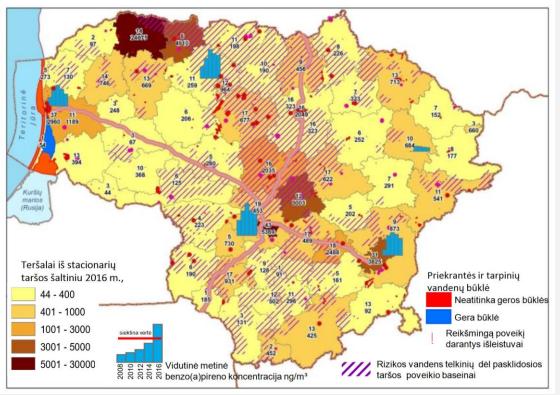
- Surface area of habitats supported by investment in order to maintain or restore favorable conservation status, 1 150 ha
- Management plans for 322
 Natura 2000 sites developed
- Preserved, managed or restored landscape units of various levels, 35 landscape units

- Surface area of habitats supported by investment in order to maintain or restore favorable conservation status, up to 37 000 ha
- Actual conservation status of 52 species determined,
- Populations of at least 2 small and fragmented species restored
- Management plans for for at least 150 Natura 2000 sites developed
- Development of green infrastructure in urban areas supported, 320 ha
- Development of innovative methods for control and eradication of invasive alien species



SO2.7 enhancing biodiversity, green infrastructure in the urban environment, and reducing pollution ERDF/CF (4/5)

Environmental pollution and condition



- Ambient air pollution is most intensive in the largest cities, where economic activity is highest, as well as in Jonava, Mažeikiai and Akmenė districts
- Road transport is the largest source of nitrogen oxide emissions, with the highest concentrations of this pollutant in urban areas and at the most intense road sections
- Particulate pollution is particularly acute in cities during the cold seasons



SO2.7 enhancing biodiversity, green infrastructure in the urban environment, and reducing pollution ERDF/CF (5/5)

Intervention measures

 Restoration of damaged and contaminated sites

 Implementation of municipal air quality management measures

2014-2020(23)

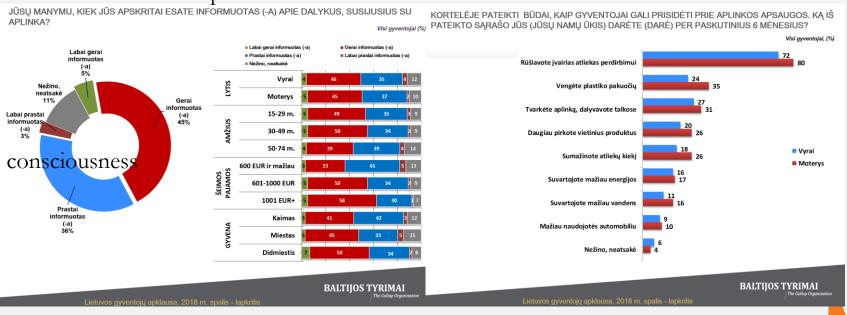
- 30 ha surface area of remediated land
- 50 cleaned-up and remediated of past contaminated sites
- 17,3 M€ CF
- 30 Street cleaning equipment in 5 towns

- 50 ha surface area of remediated land
- 100 cleaned-up and remediated of past contaminated sites
- >10 towns population benefiting from measures for air quality



Improvement of education and training systems necessary for the adaptation of skills and qualifications, the upskilling of all, including the labour force, the creation of new jobs in sectors related to the environment, climate and energy, and the bioeconomy (1/2)

Awareness $\neq Consciousness$ _{50 proc.}



Improvement of education and training systems necessary for the adaptation of skills and qualifications, the upskilling of all, including the labour force, the creation of new jobs in sectors related to the environment, climate and energy, and the bioeconomy (2/2)

ESF+

Intervention measures

• Implementation of public information, education and awareness-raising measures on different environmental issues

2014-2020(23)

- 60 % of population are in good environmental awareness
- 35 % of population contributing to environmental protection (consciousness)
- 6,6 M€ ERDF

- **80 % of** population are in good environmental awareness
- 50 % of population contributing to environmental protection (consciousness)



Thank you for your patience!



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