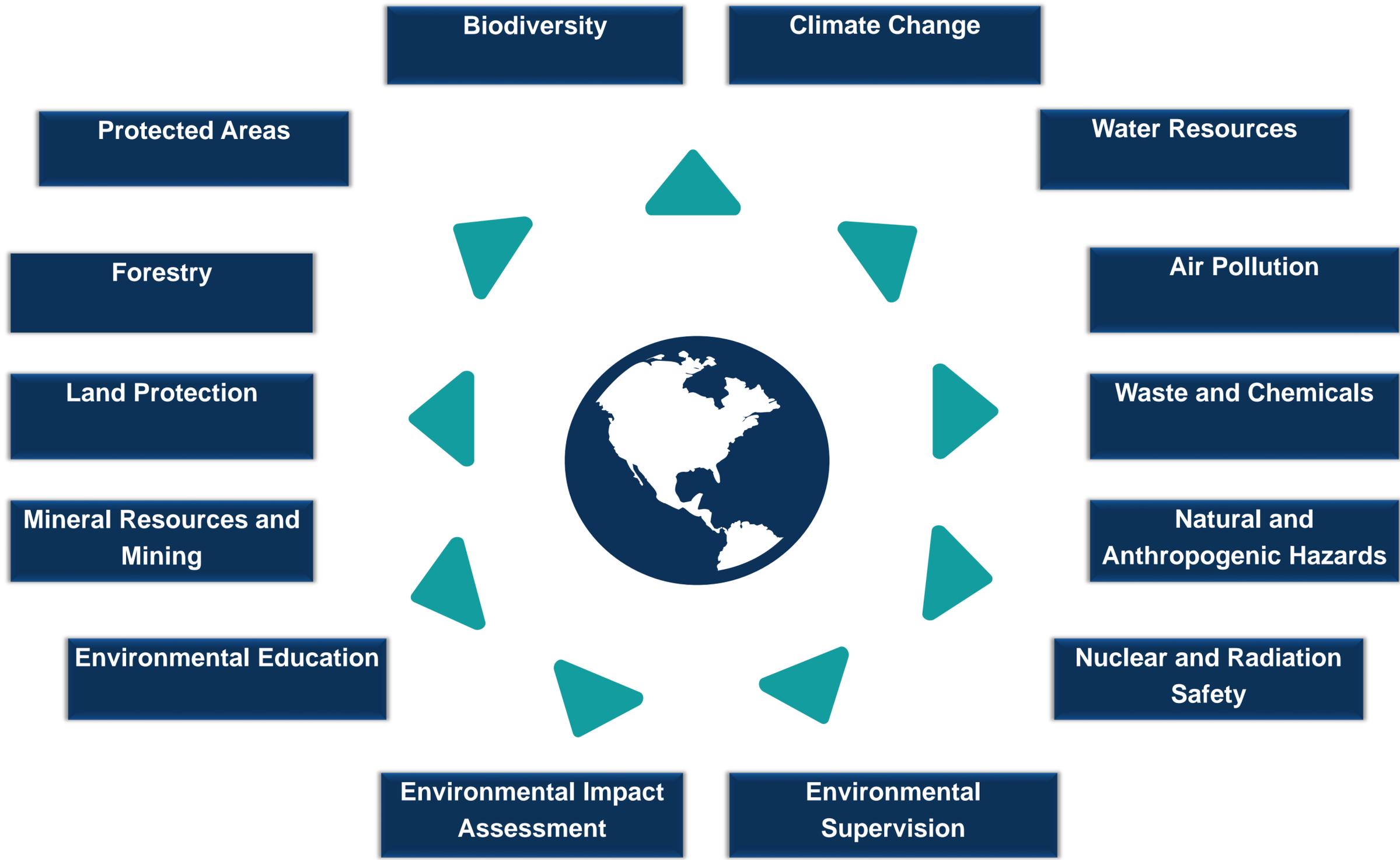




Ministry of Environment and Natural Resources Protection of Georgia



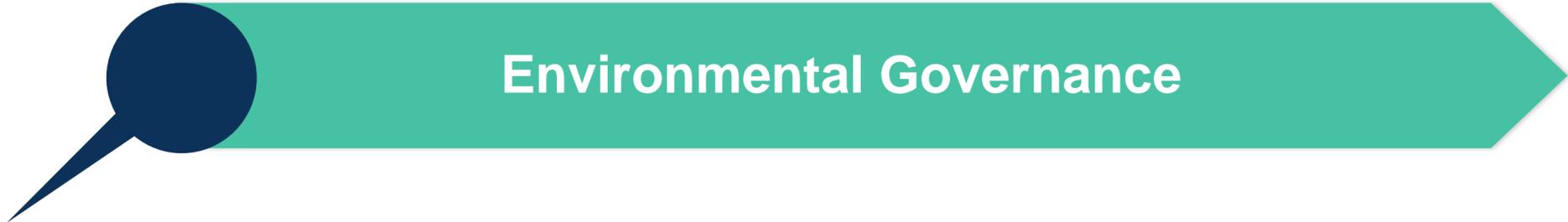




Goals

Support Sustainable Development

Reduce Environmental Degradation

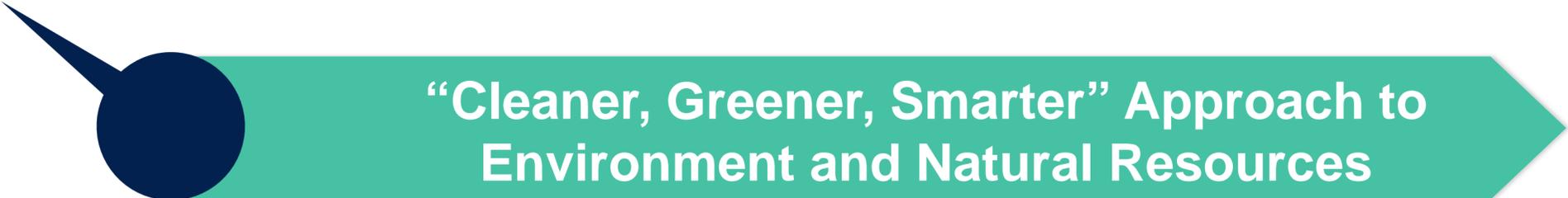


Policy/Assessment/Planning, Legislation, EIA/SEA, Supervision, Liability, Access to Information, Public Participation, Environmental Education

Targets



EU integration, SDGs, Bilateral/Regional/Multilateral Cooperation, Collaboration with Donors



Climate Change, Air, Water, Biodiversity, PAs, Forest, Land, Waste, Green Economy, DRR, etc.

Environmental Governance

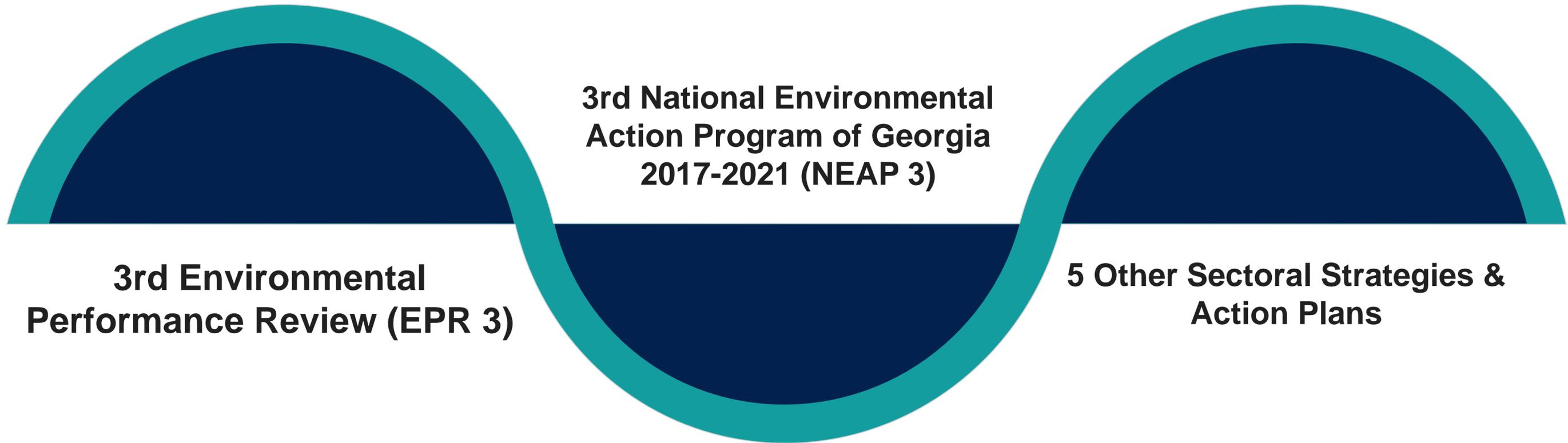


Policy/Assessment/Planning

Legislation

EIA/SEA, Supervision,
Liability

Access to Information,
Public Participation, EE



3rd Environmental Performance Review (EPR 3)

3rd National Environmental Action Program of Georgia 2017-2021 (NEAP 3)

5 Other Sectoral Strategies & Action Plans



Legislation

Adopted

Waste Management Code

Law on Living Modified Organisms

In progress

Forest Code

Environmental Assessment Code

Law on Biological Diversity

Law on Water Resources Management

Law on Environmental Liability

Law on Major Accident Prevention

Amendments to the Law on Ambient Air Protection

Law on Soil Protection



Improvement of EIA system

Increased list of activities subject to EIA will support environmental risk reduction

Screening and Scoping will support:

- Simplification of procedures and saving time for developer
- **Public participation** from the early stage

Access to Information

E-services for public:

- Environmental Impact Permit Map (maps.eiec.gov.ge)
- Interactive map of stationary polluting sources
- E-notice, notification on violation of law, subscribe, green assistant, ask a question

E-services for entrepreneurs:

- Licensing & reporting in nuclear & radiation activities
- Air pollution reporting from point sources
- Managing round wood processing sawmills (emoe.gov.ge)

Access to Information & Public Participation

Introduction of SEA system

Integration of environmental and human health related aspects in **strategic planning**

Introduction of Transboundary Impact Assessment system will support:

- Enhanced co-operation between neighboring countries

Informed & Better Decisions

Environmental Supervision



Environmental Liability
Introduction of new system

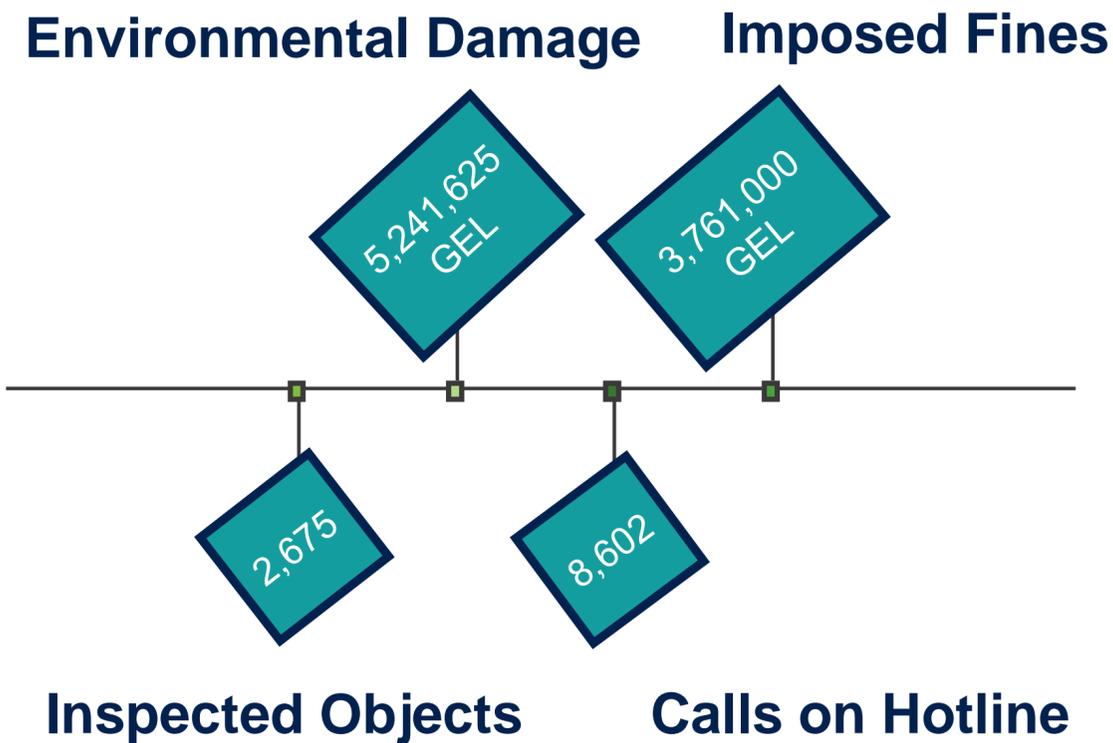
Recovery of the damaged environment to the initial stage

Search for an alternative space for recovery activities

Monetary & methodological compensations for ecological losses

Hot Line 153

2016 year

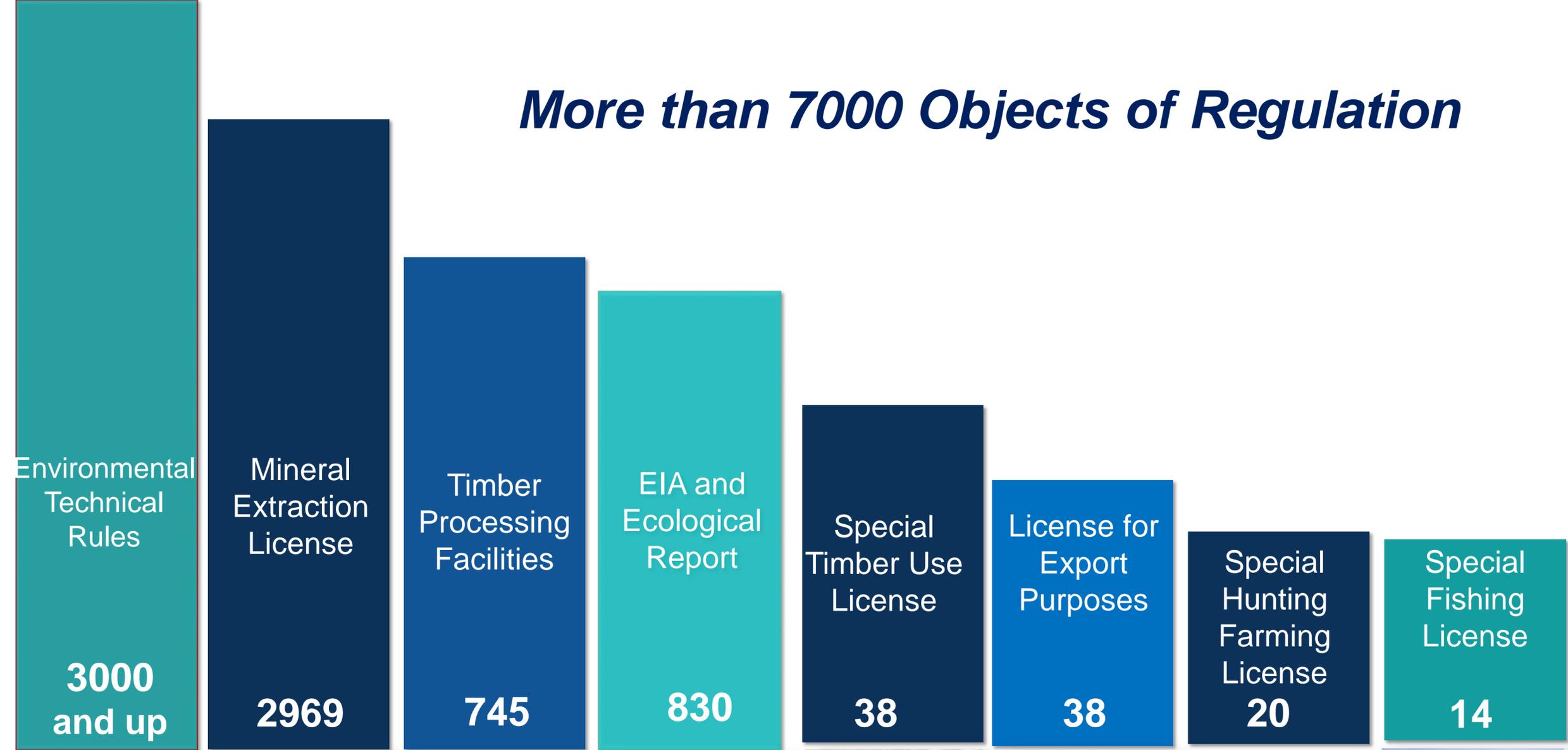




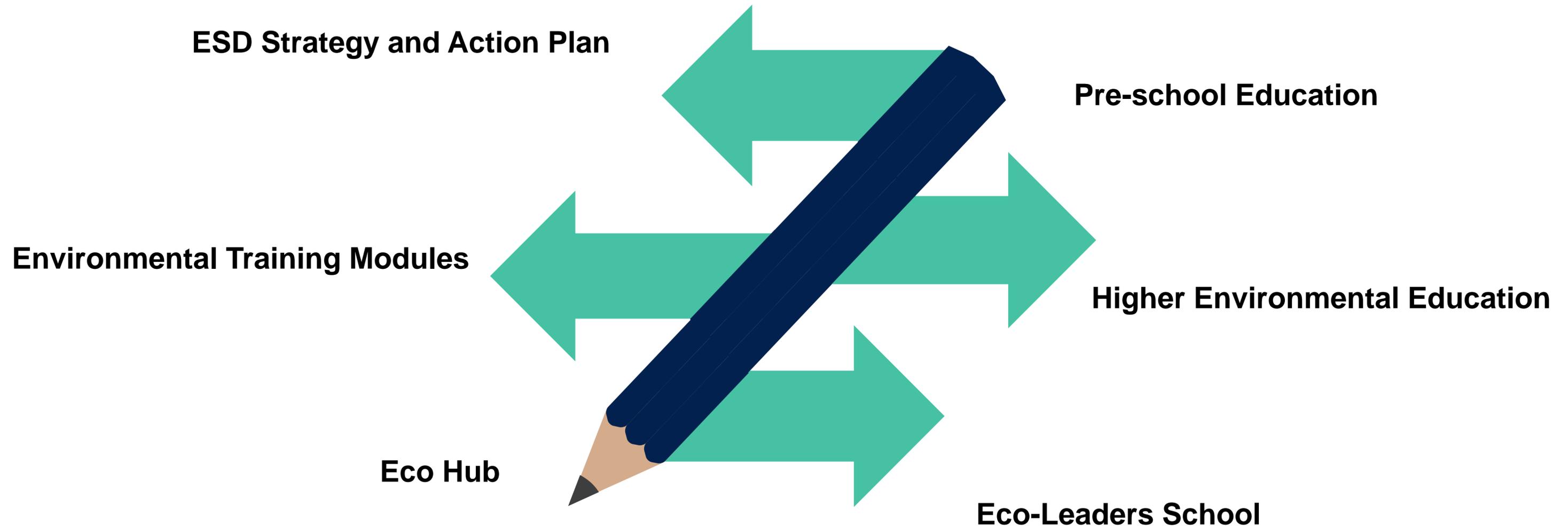
Environmental Supervision



More than 7000 Objects of Regulation



Environmental Education



“Investing in human capacity for sustainable development through environmental education and training” (UNEA resolution)

“Tbilisi + 40” anniversary will be celebrated at 9th World Environmental Education Congress, Vancouver, 2017

International Cooperation



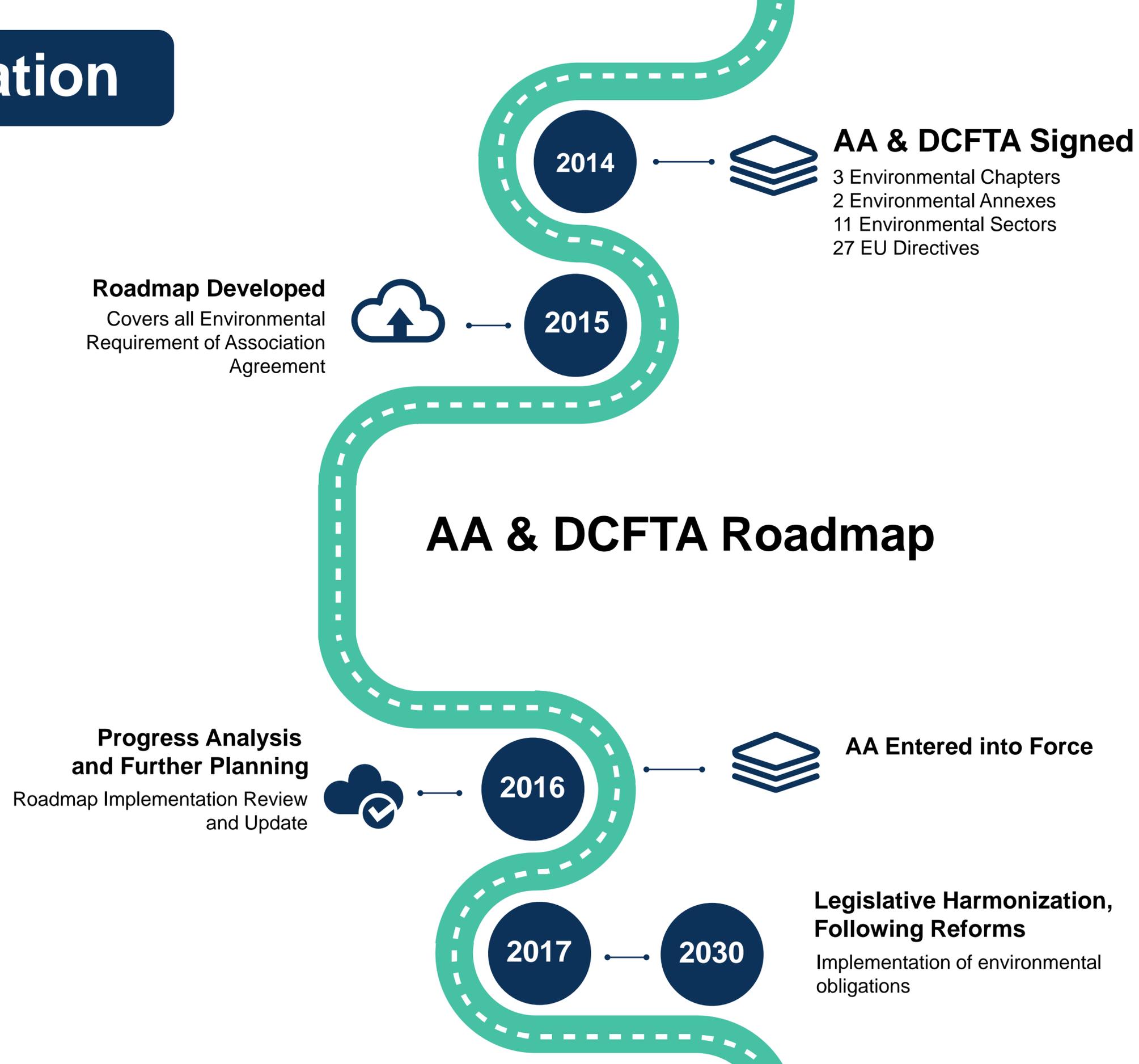
EU Integration

Sustainable Development
Goals

Bilateral/Regional/Multilateral
Cooperation

Collaboration with Donors

EU Integration



Sustainable Development Goals



Environmental sustainability for the Sustainable Development Goals in the 2030 Agenda



Goal 11

Make cities inclusive, safe, resilient and sustainable

Target 11.6

Reduce environmental impact of cities by paying attention to air quality and waste management

Goal 12

Ensure sustainable consumption and production patterns

Target 12.8

Awareness for sustainable development and lifestyles in harmony with nature

Goal 13

Take urgent action to combat climate change and its impacts

Target 13.2

Integrate climate change measures into national policies, strategies and planning

Goal 15

Manage forests, combat desertification, halt land degradation, halt biodiversity loss

Target 15.2

Sustainable management of all types of forests

Goal 15

Manage forests, combat desertification, halt land degradation, halt biodiversity loss

Target 15.5

Reduce the degradation of natural habitats, halt the loss of biodiversity

Bilateral/Regional/Multilateral Cooperation



2015-2016

26
Bilateral
Agreements
Signed

- Agreements with Austria, Belarus, Korea, Czech organization



- Armenia, Azerbaijan, Peru, Qatar, Uzbekistan

4 signed

5 in progress

32
MEAs
Ratified

- Aarhus Convention GMO Amendment
- Convention on assistance in case of nuclear & radiological emergency
- Protocol on privileges & immunities of international seabed authority
- Agreement on privileges & immunities of GCF
- Paris Agreement on climate change



1 ratified

4 in Progress

Batumi 2016



Greening the Economy in the pan-European Region

Improving Air Quality for a Better Environment and Human Health

Ministerial Statement on ESD

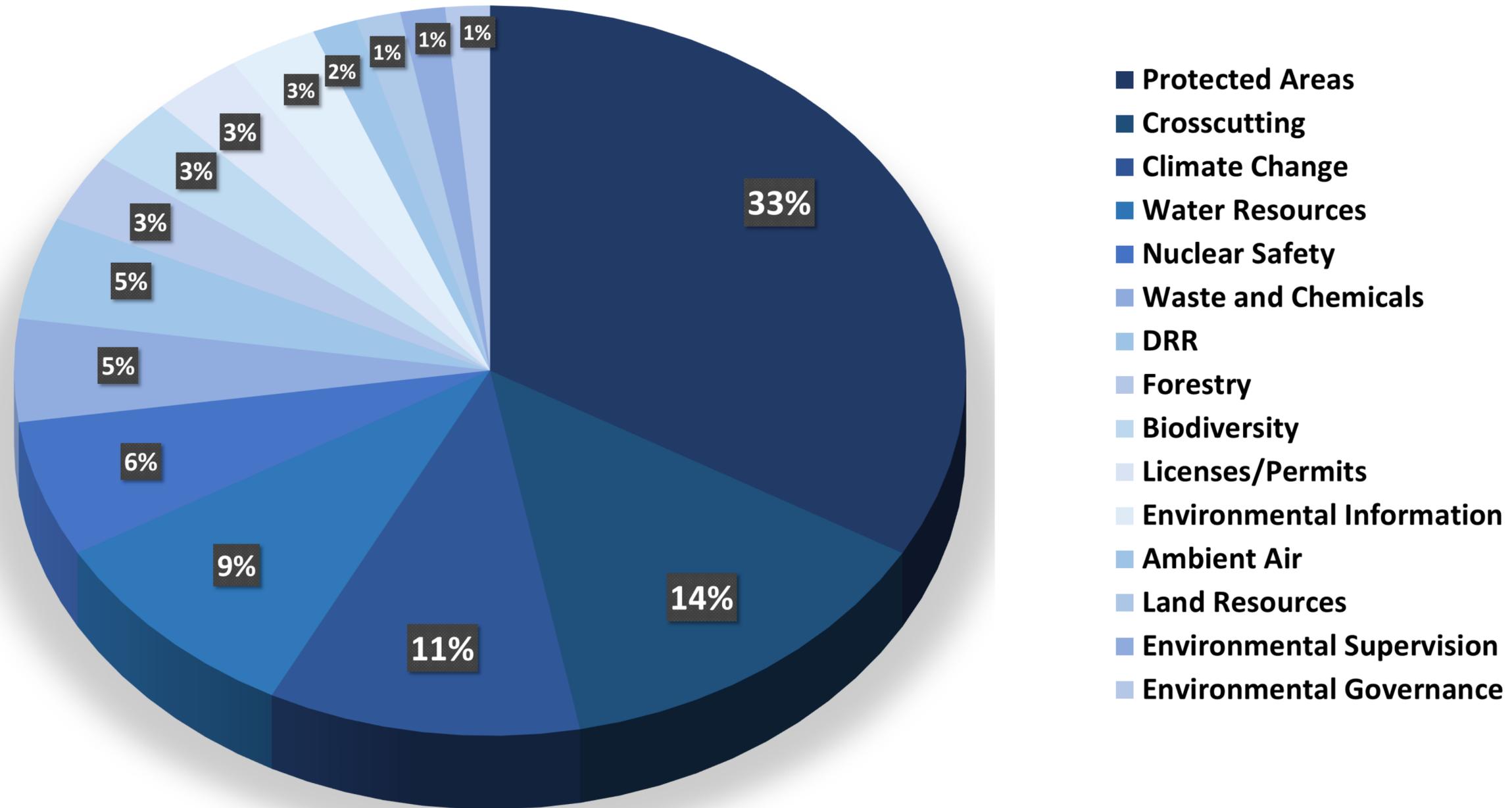
Ministerial Declaration



33 Side Events, 7 Exhibitions, Media Workshop, 10 High Level Meetings



Ongoing Donor Supported Projects



Donor organizations – 24
Implementing agencies - 37

Our Partners



“Cleaner, Greener, Smarter” Approach to Environment & Natural Resources



Air, Water, Climate Change

Biodiversity, Protected Areas,
Forestry, Nursery

Nuclear & Radiation Safety,
DRR, Waste & Chemicals

Green Economy

Land Protection & Mining



Air Quality Monitoring

- Regular passive sampling campaigns in **17 cities**
- Installation of **5 new automatic monitoring stations** (Tbilisi, Batumi, Chiatura)

Emission Inventory

- Online emission **reporting system** from point sources (emoe.gov.ge)
- **Interactive map** of stationary polluting sources

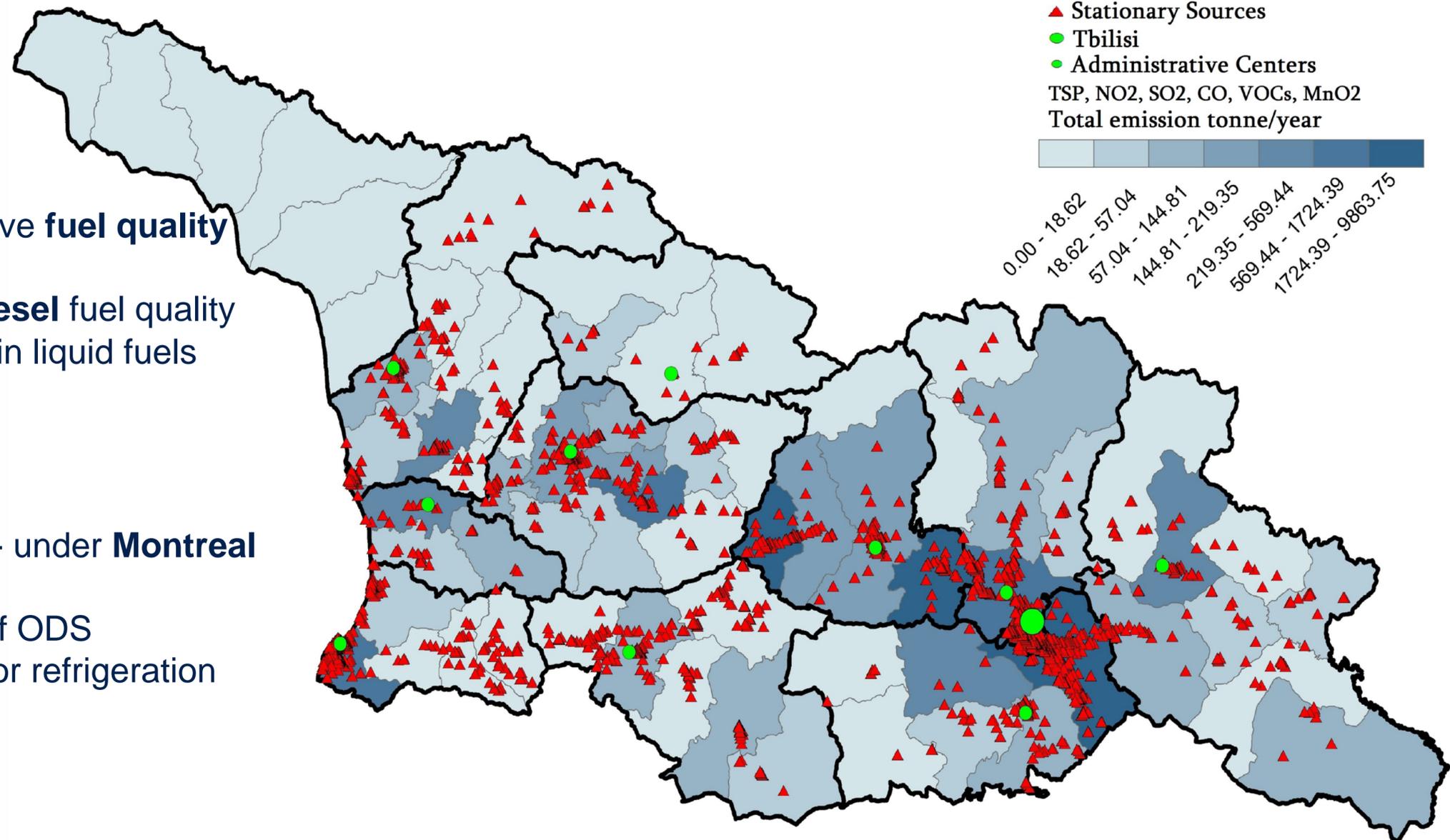
Stationary Sources & Emission Reporting

Improved Fuel Quality

- Gradual approximation of automotive **fuel quality** to **EU standards**
- **State control** on gasoline and diesel fuel quality
- **Limiting sulphur content** in certain liquid fuels

ODS Regulation

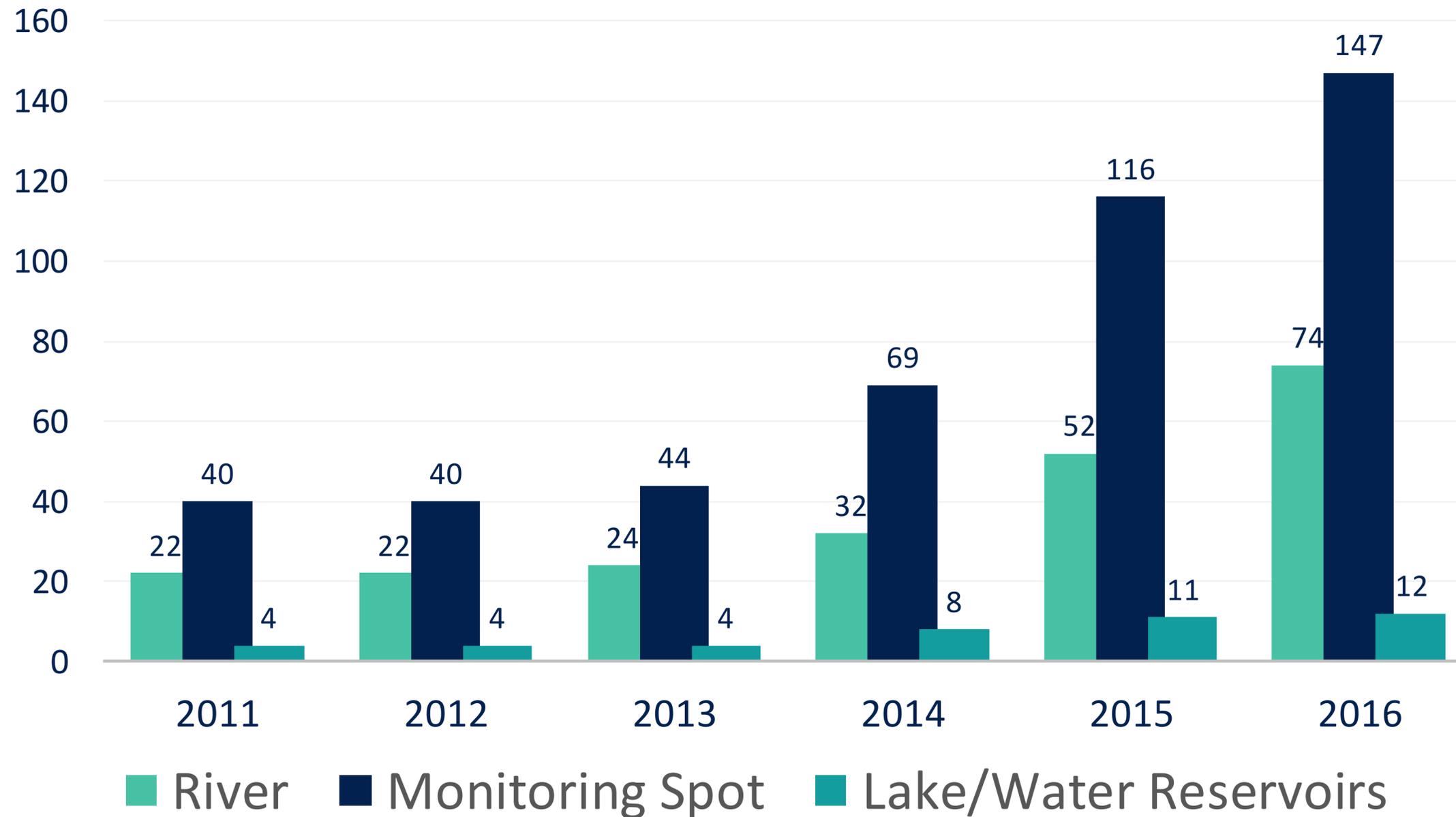
- 10% ODS consumption reduction - under **Montreal Protocol**
- Improved **Import-export system** of ODS
- **Mandatory certification system** for refrigeration and air conditioning technicians





IWRM

Water Quality Monitoring



Draft Law on Water Resources

- Revision process of the draft law
- 6 By-laws

Monitoring

- Modern hydrogeological equipment on 34 wells
- 19 automatized and 12 manual stations for surface water hydrological monitoring
- Hydrogeological monitoring on 22 rivers since 2012
- Water quality monitoring spots were increased up to 147

GIS System

- Mapping of underground water resources

River Basin Management Plan

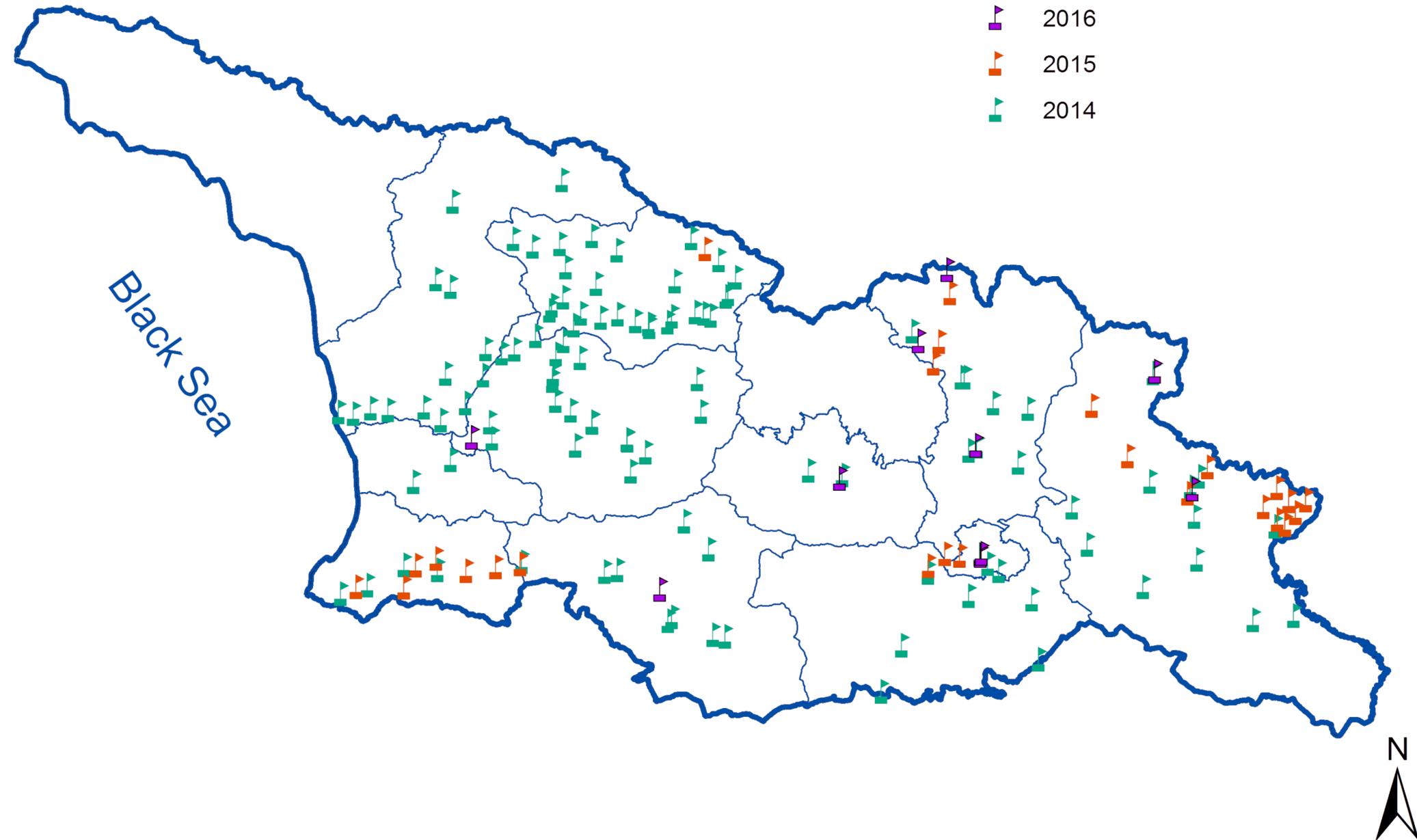
- Chorokhi-Acharistskali river-basin management plan was developed



Hydrometeorological Observation Network

Hydrometeorological Observation Points

- 2016
- 2015
- 2014



Climate Change

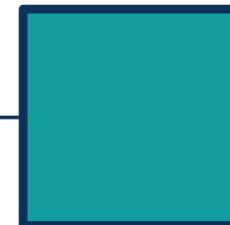


**Low Emission
Development Strategy**
Is being finalized



Paris Agreement
Signed in 2016

Roadmap for Climate Action Plan
Is being elaborated



Nationally Determined Contribution
Will be started in 2017

National Adaptation Plan
Has been initiated





National Biodiversity Strategy and Action Plan of Georgia 2014 – 2020

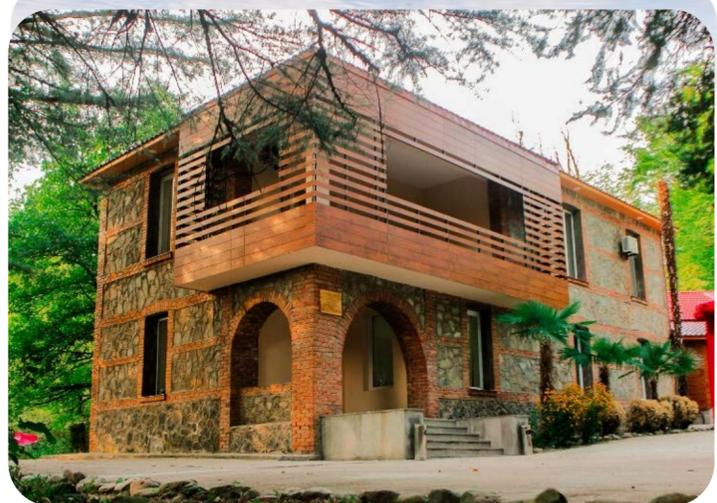
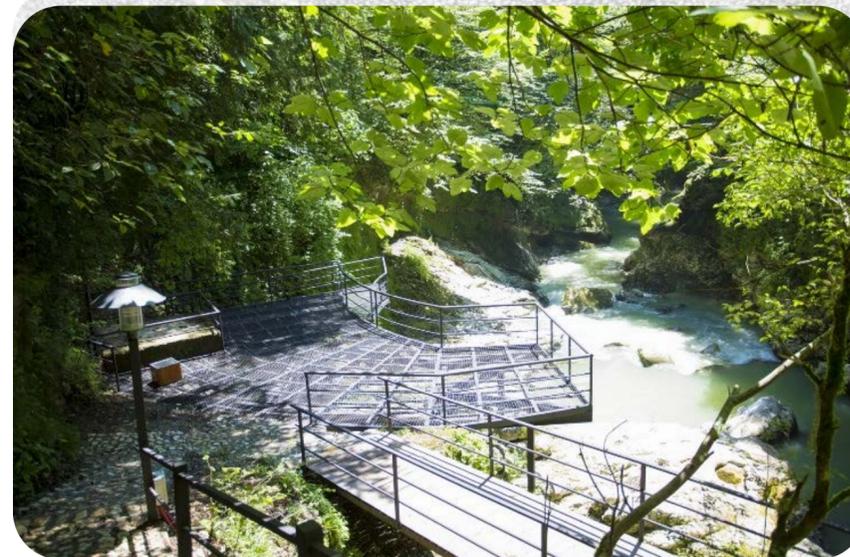
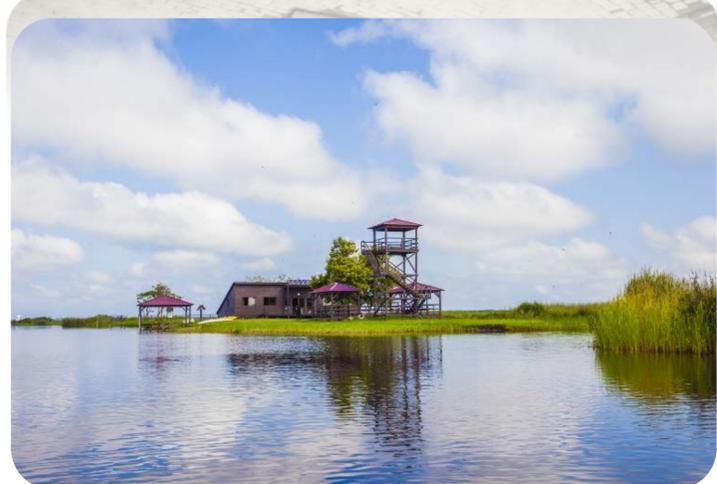


Developed

- ✓ Draft Law on Biodiversity
- ✓ Draft Law on Hunting
- ✓ Legal Framework for Recreational Fishing for Supporting Sustainable Fishery & Tourism
- ✓ Fish Stock Assessment & Action Plan for Fishing Quota

Expansion & Development

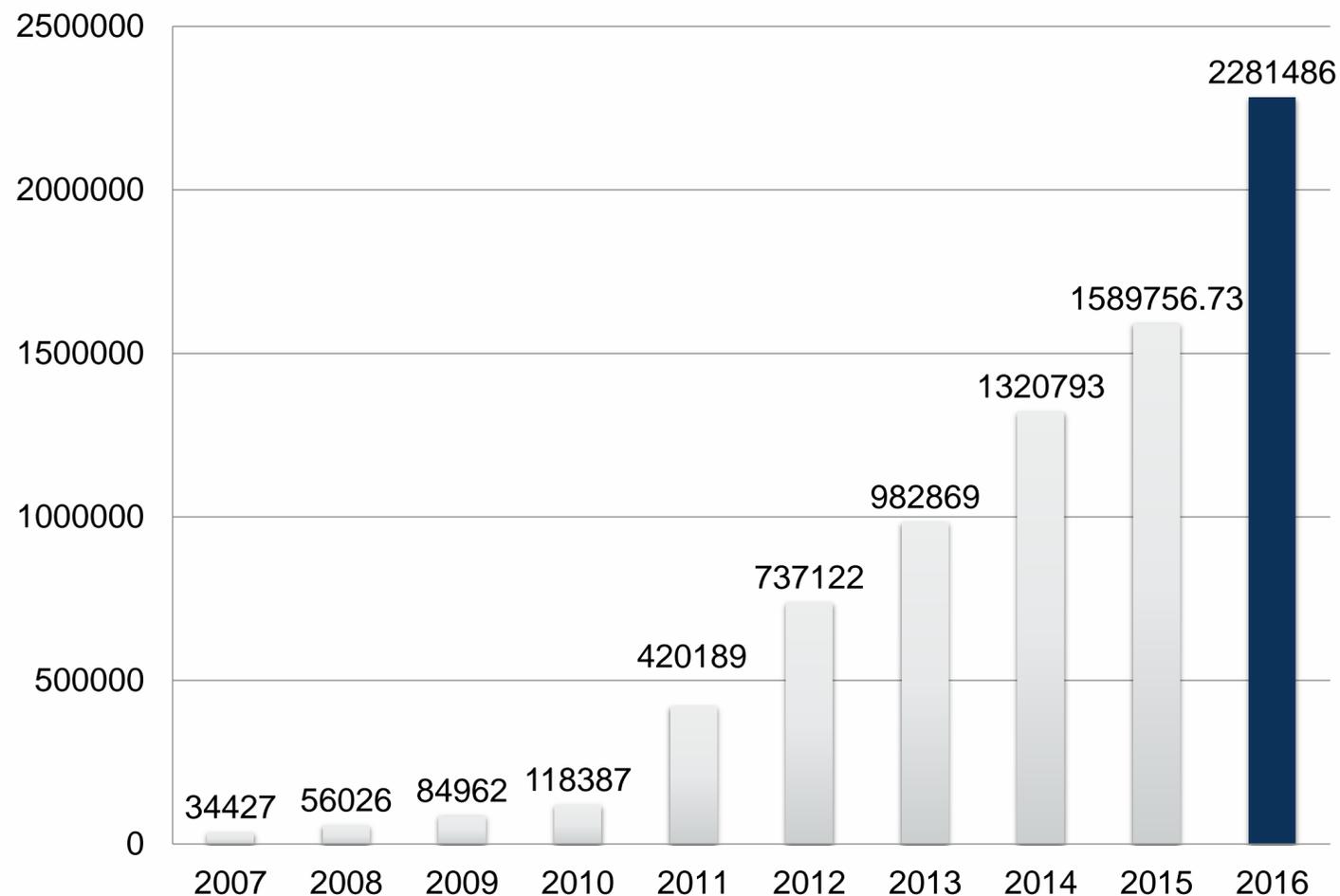
Protected Areas



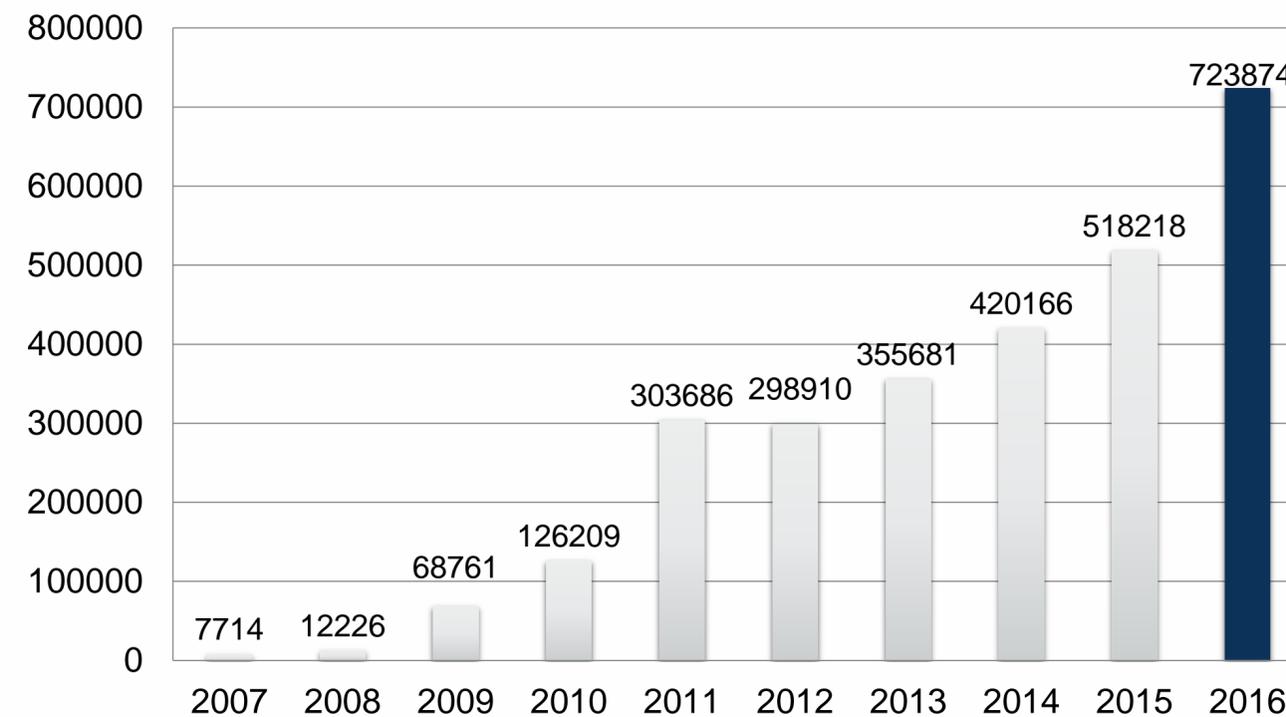


Income and Visitors of Protected Areas

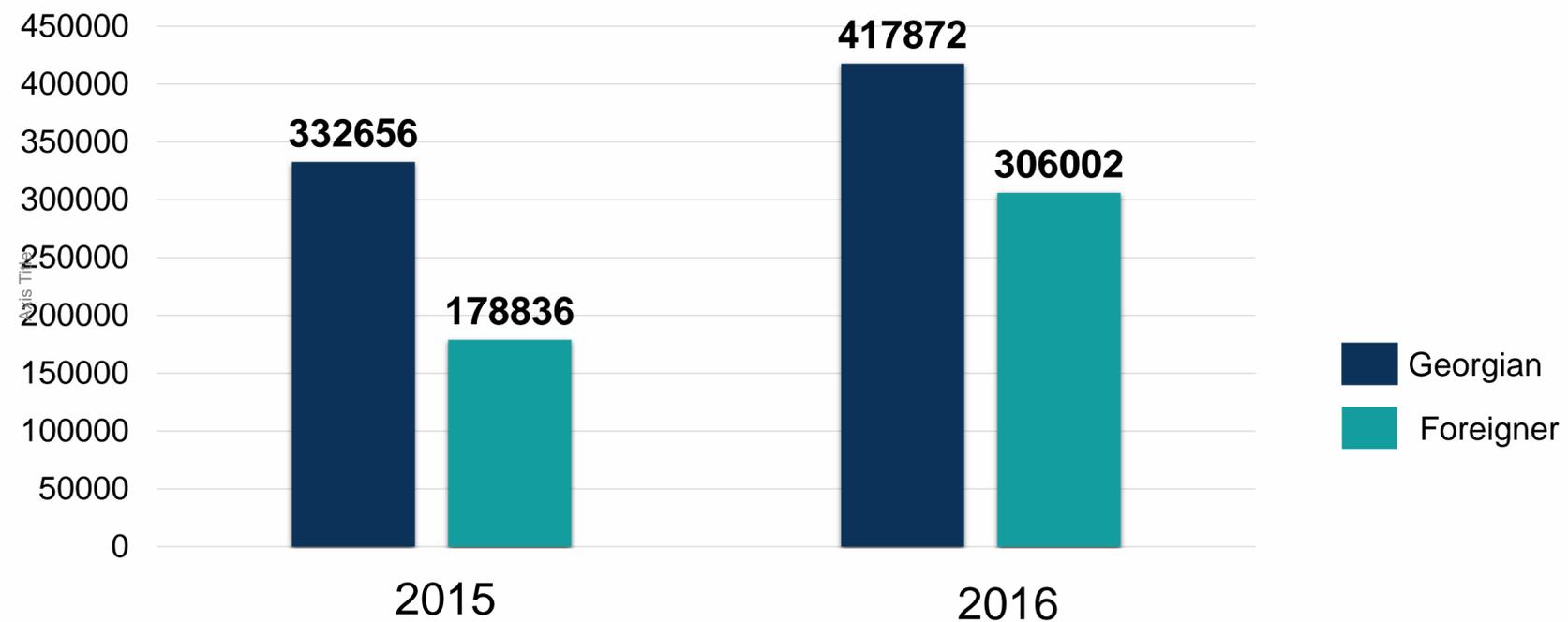
Income

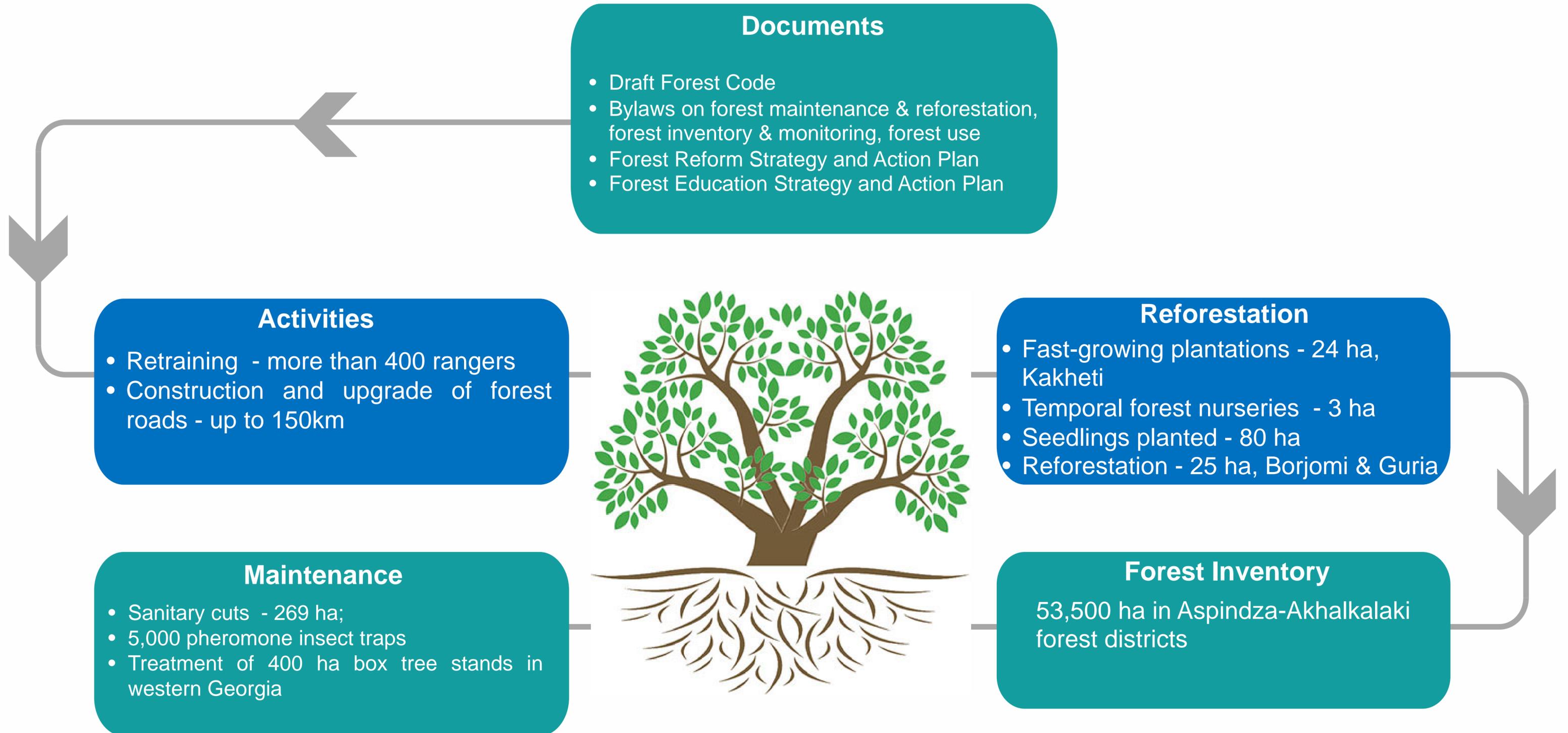


Visitors



Origin of Visitors







National Nursery



130 000 seedlings in open field



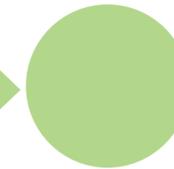
300 000 Red List seedlings



Seed-Banks



Local Birds Nursery



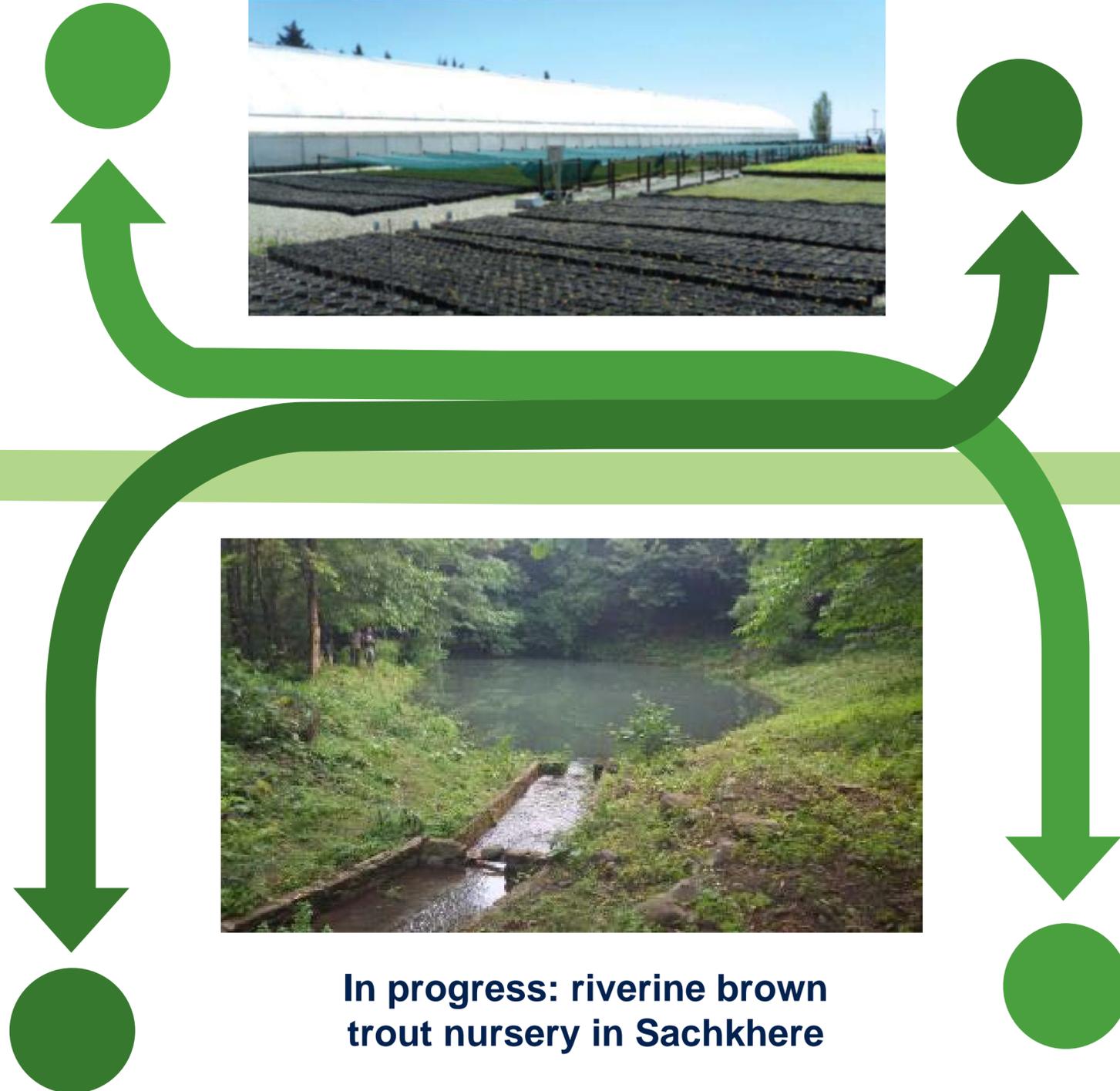
Number of seedlings increased by 50 times in 2 years



In progress: riverine brown trout nursery in Sachkhere



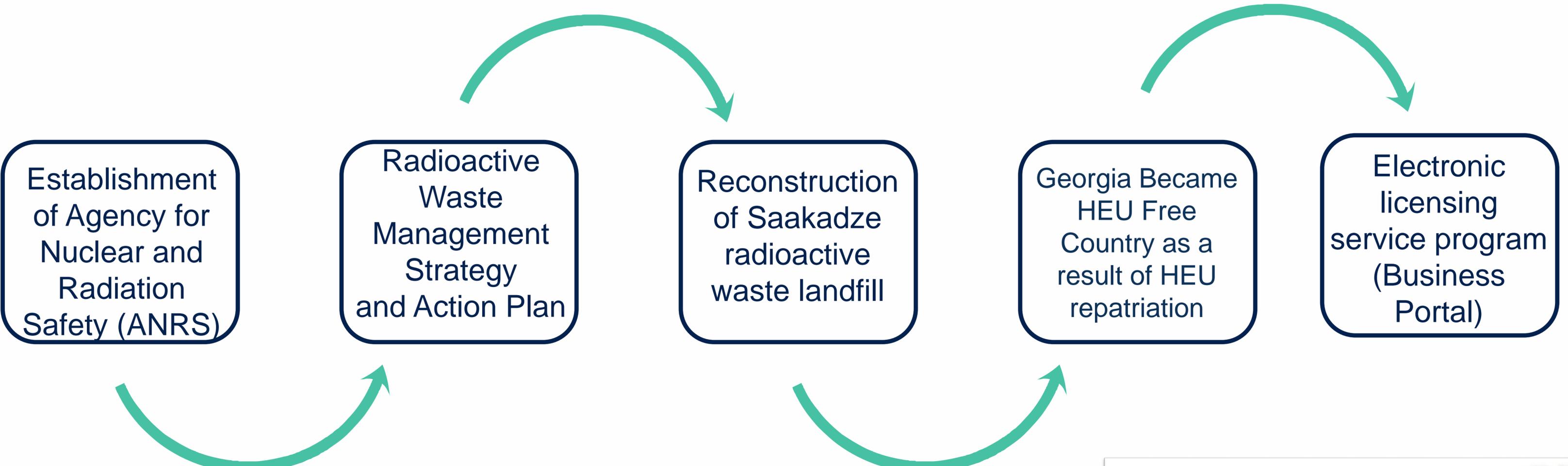
800 000 container seedlings





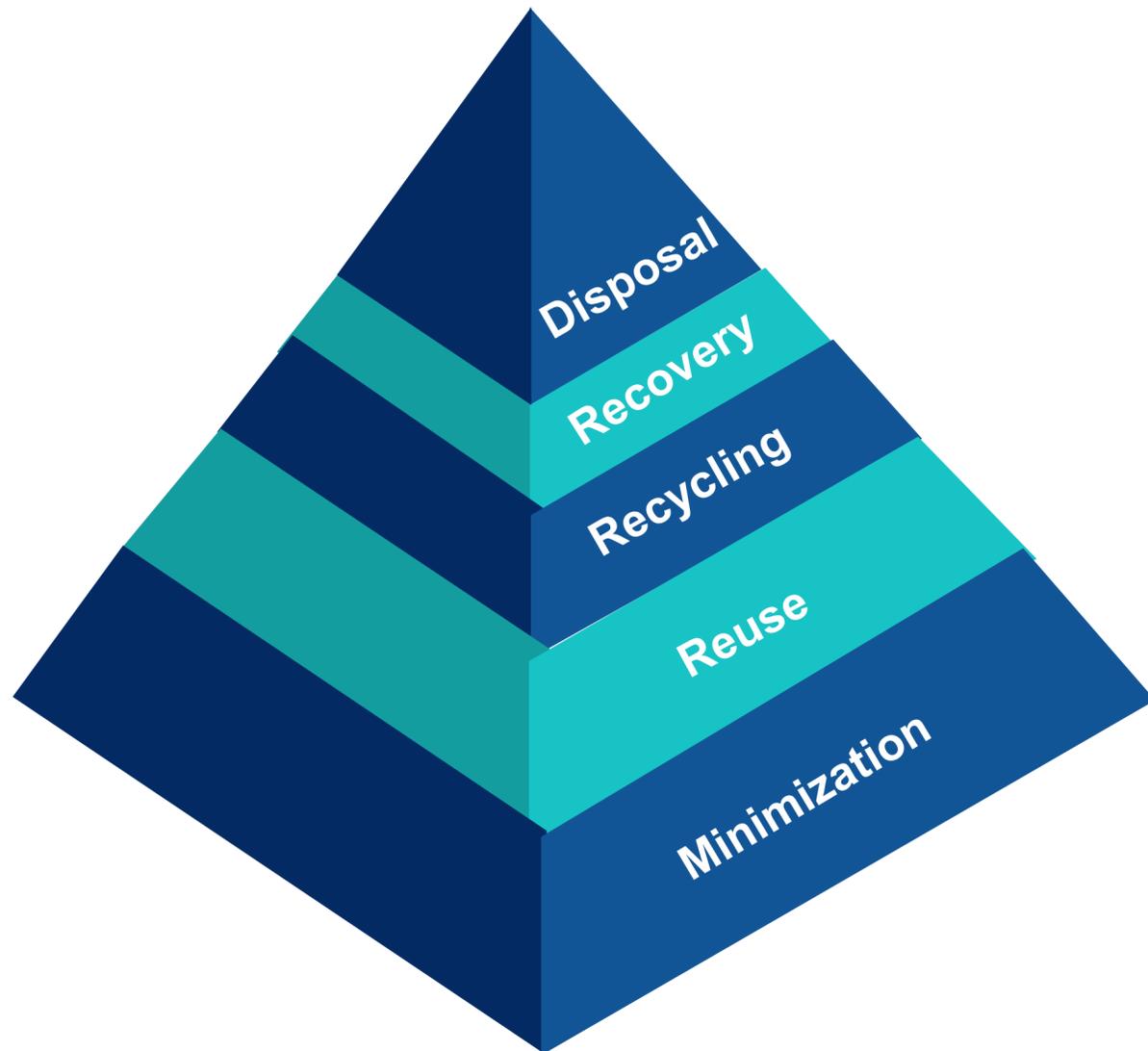
სსიპ ბირთვული და რადიაციული უსაფრთხოების სააგენტო

Nuclear and Radiation Safety





Waste Management Code



National Strategy and Action Plan

- 15-year National Strategy and 5-year Action Plan

Management of Persistent Organic Pollutants (POPs)

- Inventory of POPs is underway
- Update of National Implementation Plan for POPs management is ongoing

Municipal Waste Separation at Source

- Pilot project is underway in 5 villages of Telavi Municipality

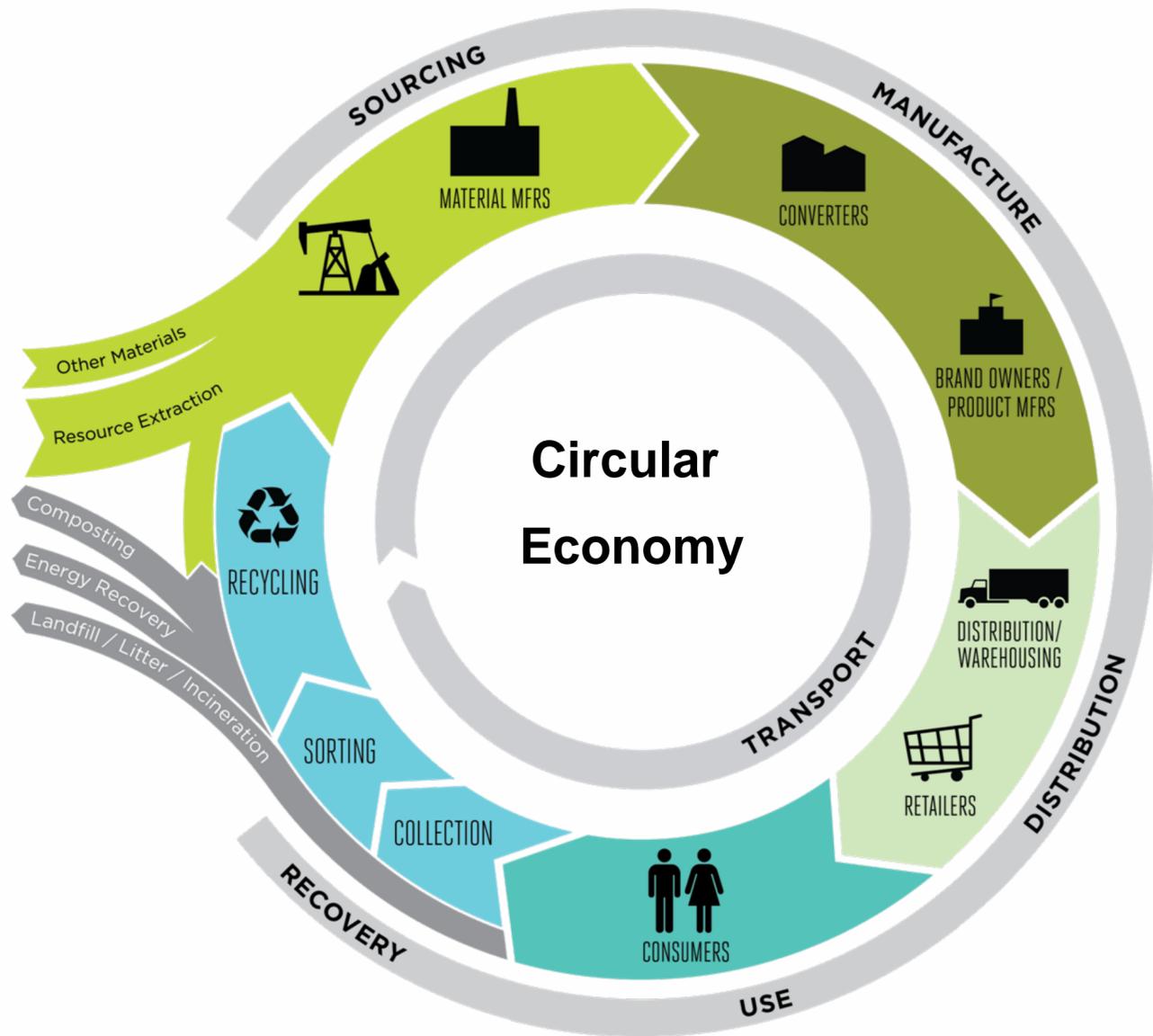
Initiation of Extended Producers Responsibility

- Ongoing negotiations with Producers and other stakeholders

Management of Hazardous Waste

- 208 Tones of obsolete pesticides were exported in 2016
- Part of arsenic containing waste was safely placed in new sarcophagus in village Uravi of Ambrolauri Municipality

Green Economy



Green Practices for SMEs

BIG-E Voluntary Commitments of Georgia

Green Jobs

Green Startup Initiatives

Green Growth



"Green City"

Clean and Resource Efficient Production

DRR



Early Warning System established in Devdoraki-Amali Ravine
(August, 2016)

Early Warning System established in river Vere basin

Early Warning System established for forecasting floods in river Rioni basin
(Lentekhi, Oni, Ambrolauri, Samtredia, Tskaltubo & Tsageri)

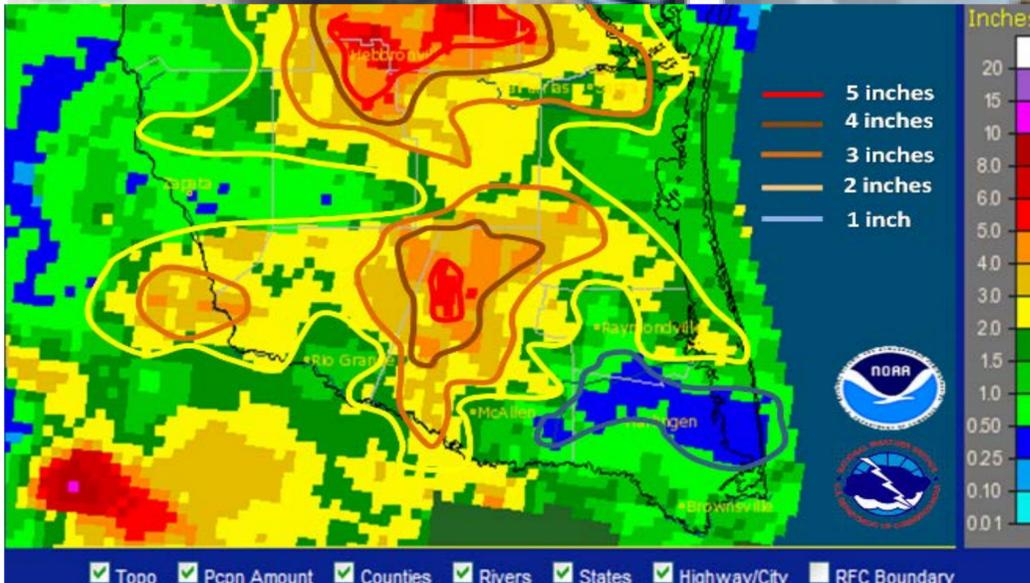
Mudflow and landslide zone mapping prepared for river Rioni basin

10 coastal protection constructions built in in river Rioni basin

Windbreak built & flood risk reduced on agricultural land in Samtredia municipality (up to 1.5 km)

Arsenic Containing Waste - Ambrolauri (Uravi)

- Building 2 sarcophagus and Rehabilitating - 1
- Removal of arsenic containing waste in sarcophagus





Lawns production methodology & regulatory acts

Soil degradation monitoring has been restored (after 15 years of gap)

Sustainable land management concept



Nationalizing land degradation neutrality targets

Land cover & productivity maps, carbon stock data



**Second National Action Programme to Combat Desertification
2015-2022**



Improvement of Mining System through:

- ✓ Simplified administrative procedures for issuing licenses, including fast services
- ✓ Geological Data Digitalization
- ✓ Electronic Licensing Portal





Environmental Governance

Improve environmental governance and integrate environment into other policy areas through:

- Implementation of **Environmental Assessment Code**
- Establishment of new **Environmental Liability System**
- Establishment of **Environmental Information System**
- Strengthening and further expansion of **Environmental Monitoring System**
- Creation of incentives for increased involvement of private sector through **PPP approach**

Ambient Air Protection

Achieve, maintain and improve the state of ambient air for safe human health and environment through:

- Approximation of ambient air protection **legislation** with EU regulations
- Development of new ambient air quality standards and improve existing air quality monitoring and assessment system;
- Reduction of Sulphur content in diesel fuel by establishing new **standards**
- Improvement of emission **inventory system** & establishment of **emission projections**

Water Resources

Improve water resource governance through:

- Shift to the **Integrated Water Resources Management (IWDM)** system;
- Transition to the **Basin Management** model;
- Development and implementation of **Water Basin Management Plans**.

Climate Change & DRR

Mitigation and adaptation measures through:

- Elaboration & implementation of NDC
- Preparation of Climate Change Action Plan
- Expansion of early warning system
- Enhancement of flood risk management



Waste and Chemicals

Gradually move to circular economy through prevention, recycling & safe disposal of waste based on “polluter pays” principle through establishment of:

- Environmentally sound management of **hazardous waste and chemicals**
- Safe disposal of **arsenic containing waste**
- Establishment of **Extended Producer's Responsibility** system
- Municipal **waste separation at source**
- Electronic waste management **database**
- Implementation of nationwide communication **campaign**

Biodiversity and Forests

Secure biodiversity, reduce pressure on ecosystems and ensure rational use of natural resources through:

- Initiation of **new regulations** in forestry, fisheries and hunting
- **Forest inventory**
- Further expansion of **Protected Areas network** and **demarcation of boundaries**

Nuclear and Radiation Safety

Reduce risk & hazards, minimize health affect due to radiation affect through:

- Adoption of **Radioactive Waste Management Strategy & Action Plan**
- Infrastructure improvement to **serve both as a storage as well as a disposal**
- Elaboration of **nuclear and radiation safety education plan**
- Ensure **occupational and public radiation-safety standards**

Mining

Reform mining sector to achieve balance between sustainable management of natural resources and economic profit through:

- **Development of modern mining management strategic concept & operational plan**
- Establishment of **new system of licensing** including fees & payment
- Introduction of modern System of **Geological Data Reporting (JORC)**



Ministry of Environment and Natural Resources Protection of Georgia

