

# **National Action Plan for ratification of the Conventions' key Protocols**

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# Background

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- **First draft NAP developed in 2014** in the framework of the project “Assessment and enhancement of national capacities for joining CLRTAP protocols and meeting corresponding commitments” (in the framework of the EU funded project “Air Quality Governance in ENPI East Countries”).
- Task: Developing the National Action Plan for the Republic of Armenia on ratification of the Convention’s key protocols, taking in to account the bilateral agreement with the EU.

# Background

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- Selected ratification scenario – **2022 (most feasible)**

The requirements can be subdivided into groups by major types:

1. Development and approval of strategic documents,
2. Development of the emission inventories, emission projections and regular reporting to the Secretariat of the Convention,
3. Development and integration of the legal acts,
4. Introduction of the integrated (complex) permitting system,
5. Development and introduction of measures aimed at reduction of emissions,
6. Air quality assessment,
7. Information dissemination.

# Task 1: Development and approval of strategic document

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- Subtask 1.1. Development and approval of National Strategic Documents

Possible source of financing	Current expenses
Executor	Ministry of Environment
Costs (EUR)	No additional costs (current expenses of Ministry of Environment)
Execution timescale	From 2019 to 2020

## **Task 2: Development of the emission inventories, emission projections and regular reporting to the Secretariat of the Convention**

- Subtask 2.1. Develop Emission Inventory (HM, POPs, GP)

Activity 2.1.	Implement a study aimed at improvement of the detailed emission inventory including information on the past and present levels of emissions based on the methodologies stipulated in the Protocols.
Possible source of financing	Donor (essential for fulfilment of the requirement)
Executor	Ministry of Environment (coordinator) in cooperation with Statistical Committee, Ministry of Economy, Ministry of Territorial Administration and Infrastructure, Police (Ministry of Foreign Affairs)
Costs (EUR)	100 000
Execution timescale	From 2020 to 2022

## Task 2: Development of the emission inventories, emission projections and regular reporting to the Secretariat of the Convention

- Subtask 2.2. Development of emission projections

Action 2.2.	Implement a project aimed at establishment of the framework for the development of emission projections
Action 2.2.1.	Create methodological and administrative framework for emission projections development
Action 2.2.2.	Improve capacity of governmental institutions through organisation of trainings for the relevant institutions
Action 2.2.3.	Develop emission projections for the required period
Possible source of financing	Donor (essential for fulfilment of the requirement)
Executor	Ministry of Environment (coordinator) in cooperation with Statistical Committee, Ministry of Economy, Ministry, Ministry of Territorial Administration and Infrastructure
Costs (EUR)	50 000
Execution timescale	From 2020 to 2022

## Task 2: Development of the emission inventories, emission projections and regular reporting to the Secretariat of the Convention

- Subtask 2.3. Maintain emission inventory and projections and report to the Executive body of the Convention/EMEP

Action 2.3A	Implement a project aimed at enhancement of legislative, institutional and human capacities for development of the yearly emission report in compliance with the requirements of the Convention.
Action 2.3A.1	Based on the assessment of the current situation create legislative and administrative framework for emission inventory maintenance
Action 2.3A.2	Improve capacity of governmental institutions through organisation of trainings for the relevant institutions
Possible source of financing	Donor (alternatively: State budget)
Executor	Ministry of Environment (coordinator) in cooperation with Statistical Committee, Ministry of Economy, Ministry, Ministry of Territorial Administration and Infrastructure, Police (Ministry of Foreign Affairs)
Costs (EUR)	50 000 (or less if financed from the State budget)
Execution timescale	From 2020 to 2022

## **Task 2: Development of the emission inventories, emission projections and regular reporting to the Secretariat of the Convention**

- Subtask 2.3. Maintain emission inventory and projections and report to the Executive body of the Convention/EMEP

Action 2.3B	Ensure availability of human resources – 2 additional staff members in Air Division
Possible source of financing	State budget (on request from Ministry of Environment)
Executor	Ministry of Environment
Costs (EUR)	20 000 per year
Execution timescale	From first quarter of 2020



## Task 3: Development and integration of legal acts

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- Subtask 3.1. National emission targets to be integrated into the national legislation

Action 3.1.	Integrate emission ceilings/emission reduction commitments in to the national legislation
Possible source of financing	State budget (on request from Ministry of Environment)
Executor	Ministry of Environment
Costs (EUR)	5 000
Execution timescale	2021

## Task 3: Development and integration of legal acts

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- Subtask 3.2. Harmonisation of fuel quality standards with the requirements of the Protocols

Action 3.2.	Develop and implement amendments to the existing product standards
Possible source of financing	Current expenses, state budget (on request from Ministry of Economy)
Executor	Ministry of Economy (coordinator) in cooperation with Ministry of Environment, Ministry of Territorial Administration and Infrastructure
Costs (EUR)	2 500
Execution timescale	2020

## Task 3: Development and integration of legal acts

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- Subtask 3.3. Development of the legal act limiting mercury content in alkaline manganese batteries

Action 3.3.	Develop legal act defining maximum concentration of mercury in alkaline manganese batteries
Possible source of financing	State budget (on request from Ministry of Environment)
Executor	Ministry of Environment (coordinator) in cooperation with Ministry of Economy
Costs (EUR)	2 500
Execution timescale	From 2019 to 2020

## Task 3: Development and integration of legal acts

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- Subtask 3.4. Improve legislation on POPs control to include all pollutants included in the POPs and Stockholm protocols

Action 3.4.	Change the relative legal act (Governmental decree No. 293 of 17 March 2005) complementing the list of controlled substances
Possible source of financing	State budget (on request from Ministry of Environment)
Executor	Ministry of Environment (coordinator) in cooperation with Ministry of Economy, Ministry of Territorial Administration and Infrastructure
Costs (EUR)	2 500
Execution timescale	2020

## Task 3: Development and integration of legal acts

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- Subtask 3.5. Develop and introduce emission limit values for mobile sources

Action 3.5.	Implementation of the project aimed at development of the optimal and most efficient policies introducing emission limit values for mobile sources.
Action 3.5.1	Assessment of the current situation (incl. gap analysis)
Action 3.5.2	Development of legal acts/Introduce changes to the current legislation
Possible source of financing	State budget (on request from Ministry of Environment)
Executor	Ministry of Territorial Administration and Infrastructure, Ministry of Environment (coordinator), Ministry of Economy
Costs (EUR)	10 000
Execution timescale	2022

## Task 4: Introduction of the integrated permitting system

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- Subtask 4.1. Introduction of emission limits and best available techniques

Action 4.1A	Implementation of the project aimed at development and introduction of the integrated permitting system
Action 4.1A.1	Assess the current situation
Action 4.1A.2	Develop subordinate legislation/Introduce changes to the current legislation
Action 4.1A.3	Improve capacity of governmental institutions and operators
Action 4.1A.4	Ensure availability of necessary technical and technological capacities
Possible source of financing	Donor (essential for fulfilment of the requirement)
Executor	Ministry of Environment
Costs (EUR)	2 000 000
Execution timescale	From 2020 to 2022

## Task 4: Introduction of the integrated permitting system

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- Subtask 4.1. Introduction of emission limits and best available techniques

Activity 4.1B	Implementation of the project aimed at monitoring of the functionality of the earlier introduced integrated permitting system
Action 4.1B.1	Assess the current situation, perform monitoring of the implemented system
Action 4.1B.2	Ensure availability of technical capacity
Action 4.1B.3	Improve capacity of governmental institutions
Possible source of financing	Donor (or in combination with state funding)
Executor	Ministry of Environment
Costs (EUR)	150 000
Execution timescale	From 2027 to 2028

## Task 4: Introduction of the integrated permitting system

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- Subtask 4.2. Facilitate exchange of technologies and availability of information regarding BAT

Action 4.2	Implement a project aimed at dissemination of information regarding the principles of BAT and development of the national framework of the information exchange
Action 4.2.1	Organise information campaign regarding clean technologies and BATs
Action 4.2.2	Establish information exchange framework/centre
Possible source of financing	Donor (or State budget)
Executor	Ministry of Economy , Ministry of Environment
Costs (EUR)	100 000 (to be confirmed after the ratification)
Execution timescale	2022



## Task 5: Development and introduction of measures aimed at reduction of emissions

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- Subtask 5.1. Development of measures aimed at reduction of VOC emissions

Action 5.1A	Implement a study aimed at assessment of potential for reduction of VOC emissions through introduction of the regulatory control for VOC content in specific products
Action 5.1A.1	Assessment of the current situation
Action 5.1A.2	Development of necessary legislative acts
Possible source of financing	Donor (if implemented with Activity 5.1B and 5.1C) or State budget
Executor	Ministry of Environment (coordinator) in cooperation with Ministry of Economy
Costs (EUR)	25 000
Execution timescale	From 2021 to 2022

## Task 5: Development and introduction of measures aimed at reduction of emissions

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- Subtask 5.1. Development of measures aimed at reduction of VOC emissions

Action 5.1B	Implement a study aimed at assessment of potential for introduction of specific measures aimed at reduction of VOC emissions from petrol storage and distribution
Action 5.1B.1	Assessment of the current situation
Action 5.1B.2	Development of necessary legislative acts
Possible source of financing	Donor (if implemented with Activity 5.1A and 5.1C) or State budget
Executor	Ministry of Environment (coordinator) in cooperation with Ministry of Economy
Costs (EUR)	25 000
Execution timescale	From 2021 to 2022

## Task 5: Development and introduction of measures aimed at reduction of emissions

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- Subtask 5.1. Development of measures aimed at reduction of VOC emissions

Action 5.1C	Implement project aimed at assessment of the potential options for reduction of emissions from the waste products containing VOC
Action 5.1C.1	Assess the current situation
Action 5.1C.2	Develop legal acts/Introduce changes to the current legislation
Possible source of financing	Donor (if implemented with Activity 5.1A and 5.1B) or State budget
Executor	Ministry of Environment, Ministry of Territorial Administration and Infrastructure, Ministry of Economy
Costs (EUR)	25 000
Execution timescale	From 2021 to 2022

## Task 5: Development and introduction of measures aimed at reduction of emissions

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- Subtask 5.2. Development and enforcement of a Code of Good agricultural practice or equivalent (NH3)

Action 5.2	Implementation of the project aimed at development of the Code of Good agricultural practice or equivalent and establishment of the necessary legal framework
Action 5.2.1	Assessment of the current situation in Armenia and best practices applied in other developed countries
Action 5.2.2	Development of legal acts
Action 5.2.3	Improvement of capacity of governmental institutions and other stakeholders
Action 5.2.4	Organisation of the information campaign
Possible source of financing	Donor (essential for implementation of the requirement)
Executor	Ministry of Economy, Ministry of Environment
Costs (EUR)	500 000
Execution timescale	From 2020 to 2022

## Task 5: Development and introduction of measures aimed at reduction of emissions

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- Subtask 5.3. Encourage development of research in the field of air quality

Action 5.3	Perform the analysis and determine the priority topics for further channelling of financial support
Possible source of financing	Current expenses of Ministry of Environment
Executor	Ministry of Environment
Costs (EUR)	Ad hoc
Execution timescale	From 2020 onwards

## Task 5: Development and introduction of measures aimed at reduction of emissions

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- Subtask 5.4. Develop economic, voluntary or regulatory measures for reduction of emissions

Action 5.4	Implement a project aimed at assessment of effectiveness of existing measures, current situation and available studies, and determine priorities for development of the most appropriate economic, regulatory and voluntary measures aimed at reduction of emissions.
Possible source of financing	State budget (on request from Ministry of Environment)
Executor	Ministry of Environment (coordinator) in cooperation with Ministry of Economy, Ministry of Territorial Administration and Infrastructure
Costs (EUR)	Medium (5 000 – 50 000, to be confirmed after the ratification)
Execution timescale	From 2023 to 2024

## Task 5: Development and introduction of measures aimed at reduction of emissions

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- Subtask 5.5. Further improve energy efficiency and encourage use of renewable energy and less polluting types of fuel or/and promote the implementation of the existing programmes

Action 5.5	Assess the effectiveness of the earlier implemented measures and programmes aimed at improvement of energy efficiency, use of renewable energy and promotions of use of less polluting types of fuel and if necessary development of additional/new measures
Possible source of financing	State budget (on request from Ministry of Territorial Administration and Infrastructure)
Executor	Ministry of Territorial Administration and Infrastructure (coordinator), Ministry of Environment
Costs (EUR)	30 000
Execution timescale	From 2023 to 2024

## Task 5: Development and introduction of measures aimed at reduction of emissions

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- Subtask 5.6. Introduce measures for development of less polluting transport systems and promote the implementation of the existing programmes

Action 5.6	Implement a project aimed at assessment of the effectiveness of the earlier implemented measures and programmes and development the additional or new measures
Possible source of financing	State budget (on request from Ministry of Transport)
Executor	Ministry of Territorial Administration and Infrastructure, Municipality of Yerevan
Costs (EUR)	20 000
Execution timescale	From 2021 to 2022



## Task 5: Development and introduction of measures aimed at reduction of emissions

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- Subtask 5.7. Investigate the potential for introduction of measures aimed at control of mercury content in products, such as electric and electronic devices, medical equipment, luminescence lamps, pesticides, paints etc.

Action 5.7	Perform assessment of the current situation and investigate potential for introduction of regulatory or voluntary measures
Possible source of financing	State budget (on request from Ministry of Environment)
Executor	Ministry of Environment (coordinator), Ministry of Health, Ministry of Economy, Ministry of Education, Science, Culture and Sport
Costs (EUR)	5 000
Execution timescale	2023

## Task 6: Air quality assessment

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- Subtask 6.1. Improve air quality assessment in accordance with the requirements of the protocols and EU legislation

Action 6.1A	Improve air quality monitoring system in accordance with the international and the EU standards
Action 6.1A.1	Improve capacity of governmental institutions
Action 6.1A.2	Ensure availability of human resources
Action 6.1A.3	Ensure availability of necessary monitoring equipment
Action 6.1B	Improve understanding of spatial distribution of pollution concentrations through pollution dispersion modelling and indicative air quality measurements
Action 6.1B.1.	Develop legal framework for application of pollution dispersion modelling as air quality assessment tool at municipal level
Action 6.1B.2	Improve capacity of governmental institutions
Action 6.1B.3	Implement pilot projects aimed at assessment of spatial distribution of pollution concentrations through pollution dispersion modelling and indicative air quality measurements
Action 6.1C	Assessment (modelling and mapping) of Critical Loads and Levels based on available data
Possible source of financing	Donor
Executor	Ministry of Environment
Costs (EUR)	High (to be determined before implementation of the Actions)
Execution timescale	From 2020 to 2023

## Task 7: Information dissemination

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- Subtask 7.1. Make information available to the public.

Action 7.1	Establish information exchange platform or ensure availability of resources for upgrade and maintenance of the existing systems
Possible source of financing	State budget (on request from Ministry of Environment)
Executor	Ministry of Environment
Costs (EUR)	10 000
Execution timescale	From 2020 to 2021

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**Thank you for attention!**