

The EU for Climate Project is funded by the European Union and implemented by the United Nations Development Program. The project supports Eastern Partnership (EaP) countries in implementing the Paris Agreement on climate and improving climate policy and legislation. Its goal is to limit the impact of climate change on the lives of citizens and make them more resilient to such change, which will help EaP countries integrate emission reduction and climate resilience goals into development policies and plans, and improve climate change policies and legislation.



Funded by the  
European Union



# EU4Climate

Armenia, Azerbaijan, Belarus, Georgia, Republic of Moldova, Ukraine

## DEVELOPMENT OF DEEP GHG EMISSION REDUCTION SCENARIOS UNTIL 2050 IN THE AGRICULTURAL SECTOR

### Report ...

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## CONTENT

<b>List of abbreviations (example, adapt according to report).....</b>	<b>6</b>
<b>1 Analysis of the actions required to reduce GHG emissions in agriculture .....</b>	<b>8</b>
1.1 <i>Using carbon-free technologies, materials and energy sources.....</i>	<i>8</i>
1.2 <i>Applying a no-till and minimal-till system.....</i>	<i>8</i>
1.3 <i>Transition to application of organic fertilizers or other crops .....</i>	<i>8</i>
1.4 <i>Application of possible innovations, integrated systems, agro-ecological technologies and practices of organic farming used in developed countries that can be adapted in Belarus .....</i>	<i>8</i>
1.5 <i>Analysis of the economic efficiency of potential technologies aimed at reducing GHG emissions in agriculture.....</i>	<i>8</i>
1.6 <i>Analysis of the economic incentives arrangements and necessary investment costs for business entities associated with introducing low-carbon production technologies, with the feasibility of the most efficient approach</i>	<i>8</i>
<b>2 Analysis of the impact of the actions and arrangements under consideration on GDP growth/decline.....</b>	<b>8</b>
<b>3 Analysis of the impact of climate change on crop and livestock production .....</b>	<b>8</b>
3.1 <i>Analyzing the impact of changes in the yields of agricultural crops considering the expected climatic changes by 2050 .....</i>	<i>8</i>
3.2 <i>Preparing input data on the crops structure and gross yield for projecting nitrous oxide emissions by 2050 resulting from tilling plant residues of agricultural crops into the soil .....</i>	<i>8</i>
3.3 <i>Analyzing the impact of changes in animal husbandry development considering the expected climatic changes by 2050 .....</i>	<i>9</i>
3.4 <i>Analyzing the benefits of actions to reduce emissions resulting from livestock production by increasing productivity while meeting animal health and welfare requirements .....</i>	<i>9</i>
<b>4 Projections of possible emission reductions if the actions stipulated under Stages 2 – 4 are implemented under various intensity scenarios: BAU, low decline, accelerated, steep .....</b>	<b>9</b>
4.1 <i>Projections of possible emission reductions if the actions stipulated under Stages 2 – 4 are implemented under various intensity scenarios: BAU, low decline, accelerated, steep.....</i>	<i>9</i>
4.2 <i>Non-technical policy note with the research findings summary to be published by the project in the Mass Media</i>	<i>9</i>
<b>5 Reference list .....</b>	<b>9</b>

List of pictures

***No table of figures entries found.***

List of tables

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## List of abbreviations (example, adapt according to report)

UNFCCC)	United Nations Framework Convention on Climate Change
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## Introduction

## 1 Analysis of the actions required to reduce GHG emissions in agriculture

### 1.1 Using carbon-free technologies, materials and energy sources

Using carbon-free technologies, materials and energy sources

### 1.2 Applying a no-till and minimal-till system

Applying a no-till and minimal-till system

### 1.3 Transition to application of organic fertilizers or other crops

Transition to application of organic fertilizers or other crops

### 1.4 Application of possible innovations, integrated systems, agro-ecological technologies and practices of organic farming used in developed countries that can be adapted in Belarus

Application of possible innovations, integrated systems, agro-ecological technologies and practices of organic farming used in developed countries that can be adapted in Belarus

### 1.5 Analysis of the economic efficiency of potential technologies aimed at reducing GHG emissions in agriculture

Analysis of the economic efficiency of potential technologies aimed at reducing GHG emissions in agriculture

### 1.6 Analysis of the economic incentives arrangements and necessary investment costs for business entities associated with introducing low-carbon production technologies, with the feasibility of the most efficient approach

Analysis of the economic incentives arrangements and necessary investment costs for business entities associated with introducing low-carbon production technologies, with the feasibility of the most efficient approach

## 2 Analysis of the impact of the actions and arrangements under consideration on GDP growth/decline

Analysis of the impact of the actions and arrangements under consideration on GDP growth/decline

## 3 Analysis of the impact of climate change on crop and livestock production

### 3.1 Analyzing the impact of changes in the yields of agricultural crops considering the expected climatic changes by 2050

Analyzing the impact of changes in the yields of agricultural crops considering the expected climatic changes by 2050 (analysis of climatic changes to be provided by the project)

### 3.2 Preparing input data on the crops structure and gross yield for projecting nitrous oxide emissions by 2050 resulting from tilling plant residues of agricultural crops into the soil

Preparing input data on the crops structure and gross yield for projecting nitrous oxide emissions by 2050 resulting from tilling plant residues of agricultural crops into the soil

### 3.3 Analyzing the impact of changes in animal husbandry development considering the expected climatic changes by 2050

Analyzing the impact of changes in animal husbandry development considering the expected climatic changes by 2050 (analysis of climatic changes to be provided by the project)

### 3.4 Analyzing the benefits of actions to reduce emissions resulting from livestock production by increasing productivity while meeting animal health and welfare requirements

Analyzing the benefits of actions to reduce emissions resulting from livestock production by increasing productivity while meeting animal health and welfare requirements

## 4 Projections of possible emission reductions if the actions stipulated under Stages 2 – 4 are implemented under various intensity scenarios: BAU, low decline, accelerated, steep

### 4.1 Projections of possible emission reductions if the actions stipulated under Stages 2 – 4 are implemented under various intensity scenarios: BAU, low decline, accelerated, steep

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### 4.2 Non-technical policy note with the research findings summary to be published by the project in the Mass Media

Non-technical policy note with the research findings summary to be published by the project in the Mass Media

## 5 Reference list