



ICAO

ONLINE TRAINING COURSE

# INTERNATIONAL AVIATION: STATES' ACTION PLANS TO REDUCE CO<sub>2</sub> EMISSIONS



PROJECT FUNDED BY



European Union

The States' Action Plans on Emissions Reduction are a strategic tool for States to plan their activities to address CO<sub>2</sub> emissions from international aviation. States submit their action plans to the International Civil Aviation Organization (ICAO) on a voluntary basis. The level of the information contained in an action plan will ultimately enable ICAO to compile global progress towards meeting the environmental goals set by ICAO's Member States.

The online course "**INTERNATIONAL AVIATION: STATES' ACTION PLANS TO REDUCE CO<sub>2</sub> EMISSIONS**" is a self-paced tutorial to train environment focal points from Civil Aviation Authorities and stakeholders of the aviation sector in the preparation and implementation of Action Plans on Emissions Reduction in accordance with ICAO's guidance documents and best practices.

The course consists of five interactive and independent modules and electronic books (e-books). It was developed by ICAO in partnership with the United Nations Institute for Training and Research (UNITAR), within the framework of the ICAO Assistance Project *Capacity Building for CO<sub>2</sub> Mitigation from International Aviation*, funded by the European Union.

By the end of the course, and upon successful completion of the five modules and final assessment, a Certificate of Completion is granted.



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## MODULE 1

### STATES' ACTION PLANS ON CO<sub>2</sub> EMISSIONS REDUCTION FROM INTERNATIONAL AVIATION



This module describes the main components of the States' Action Plans on CO<sub>2</sub> Emissions Reduction from International Aviation. By the end of this module, you will be able to:

Define the activities to carry out for the development of a State Action Plan

Explain why it is important to develop a State Action Plan

Describe the main information which should be included in a State Action Plan

## MODULE 2

### BASELINE SCENARIO CALCULATION



This module aims to provide the necessary information to enable the States to calculate their baseline. By the end of this module, you will be able to:

Define the baseline scenario of CO<sub>2</sub> emissions from international aviation

Estimate international aviation fuel burnt, CO<sub>2</sub> emissions, and International Revenue Tonnes Kilometer (RTK)

Calculate the baseline using the ICAO Environment Benefits Tool (EBT)



## MODULE 3

### MITIGATION MEASURES



This module provides an overview of mitigation measures to limit or reduce CO<sub>2</sub> emissions from international aviation and case-studies of low emissions aviation measures implemented in States. By the end of this module, you will be able to:

Understand the elements of ICAO's Basket of Measures to reduce CO<sub>2</sub> emissions

Identify relevant measures that can be taken by a State to reduce CO<sub>2</sub> emissions from the international aviation sector

## MODULE 4

### SELECTION, PRIORITIZATION AND IMPLEMENTATION OF MITIGATION MEASURES



This module aims to provide the necessary information to enable States to select, prioritize and implement mitigation measures. By the end of this module, you will be able to:

Analyse the benefits and effectiveness of mitigation measures in relation to the costs involved

Analyse the additionality of projects

Carry out a risk analysis in the process of implementing mitigation measures

## MODULE 5

### TOOLS AND EXPECTED RESULTS



This module presents the tools that allow the Civil Aviation Authorities (CAA) to calculate, as well as to monitor CO<sub>2</sub> emissions from international aviation at the State level. By the end of this module, you will be able to:

Use the ICAO tools to calculate CO<sub>2</sub> emissions reduction and fuel savings

Use the ICAO Environmental Benefits Tool (EBT) to calculate the expected results from the selected mitigation measures

Use the Aviation Environmental System (AES) to monitor CO<sub>2</sub> emissions from the aviation sector, if available in the State

# HOW TO REGISTER IN THE COURSE

The first module of the course — States' Action Plans on CO<sub>2</sub> Emissions Reduction from international aviation, is open to the general public. The remaining four modules are restricted to the focal points from the Civil Aviation Authorities of Member States nominated and registered in the ICAO APER website.

- 1 Go to [www.unccelearn.org](http://www.unccelearn.org) and click login in the right hand corner
- 2 Click on "Create new account"
- 3 Fill-out the required information to create your account (if you are a focal point, use the same e-mail address which you registered in the APER website)
- 4 Log in using your username and password selected when creating your account
- 5 Go to "All courses"
- 6 If you are a focal point of the Civil Aviation Authority, select the course *International Aviation CO<sub>2</sub> Emissions Reduction: States' Action Plans* (access to all modules)  
OR  
If you are not a focal point, select the course: *International Aviation: Intro to States' Action Plans to reduce CO<sub>2</sub>* (access to first module only)

For feedback or in case of difficulty  
in course registration, please contact  
[icao-eu-project@icao.int](mailto:icao-eu-project@icao.int)

