TRAINAIR PLUS Programme Update and Activities

Course Developers and Instructors Standardization Meeting

GAT Office

12-14 December, 2016
Bogota, Colombia

TRAINAIR PLUS Programme

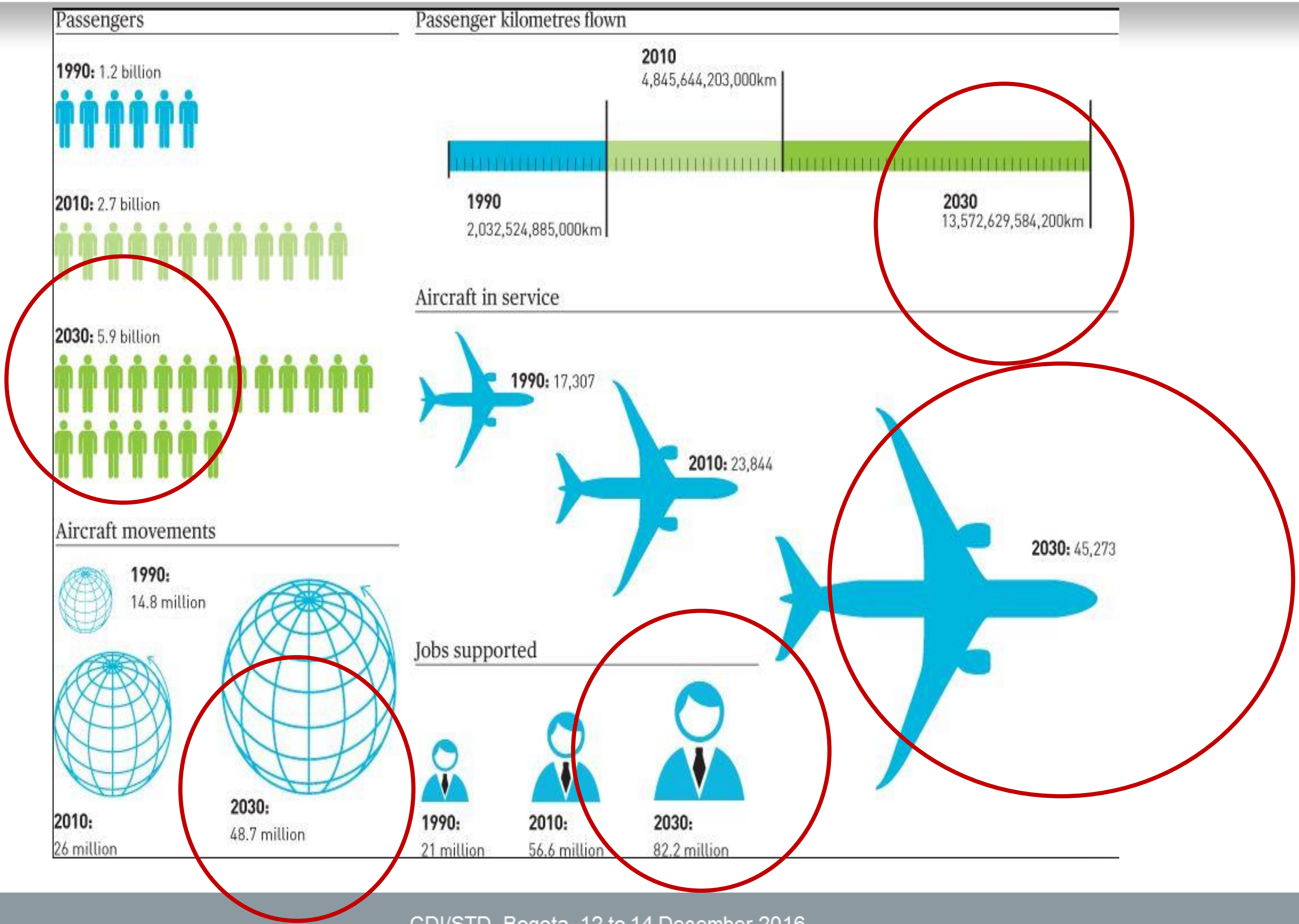
Background

- **Establishment**
  - 2014: Establishment of the Global Aviation Training (GAT) Office

- **Objective of ICAO in Aviation Training**
  - “*To support the HR Development strategies of Member States to ensure they have access to sufficient number of qualified and competent personnel*…”

- **Mandate of the ICAO GAT Office**
  - Plan, manage and coordinate ICAO aviation training activities to ensure the efficient, effective and harmonized implementation of the ICAO Training Policy.

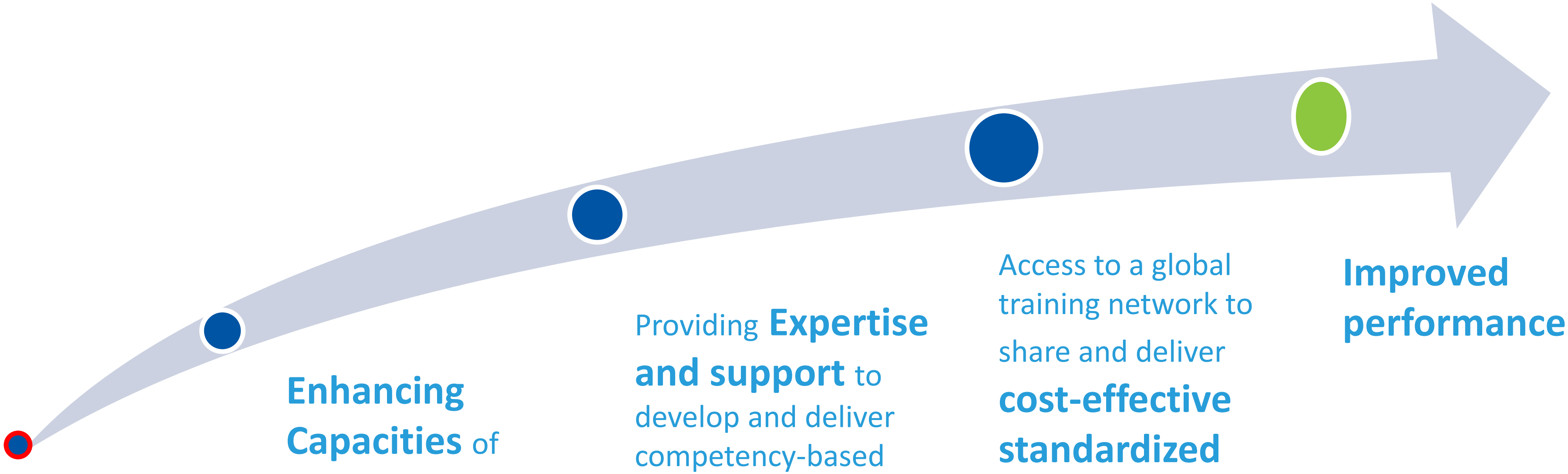
Industry Growth &TRAINAIR PLUS


Passengers
1990: 1.2 billion
2010: 2.7 billion
2030: 5.9 billion
Passenger kilometres flown
2010
4,845,644,203,000km
1990
2,032,524,885,000km
2030
13,572,629,584,200km
Aircraft in service
1990: 17,307
2010: 23,844
2030: 45,273
Aircraft movements
1990:
14.8 million
2010:
26 million
2030:
48.7 million
Jobs supported
1990:
21 million
2010:
56.6 million
2030:
82.2 million

How can TRAINAIR PLUS help?

What is the role of TRAINAIR PLUS role to help manage this GROWTH?

ICAO Training Portfolio: Effective Training Solutions



Training Challenges

Enhancing Capacities of training organizations

Providing **Expertise and support** to develop and deliver competency-based training

Access to a global training network to share and deliver **cost-effective standardized training**

Improved performance

1. Training Assessment

Enhancing Capacities of Training Organizations

Training Assessment:

Enhancing Capacities of Training Organizations

1 Organization

2 Training and Procedures Manual

3 Training Programmes and Training Delivery

4 Facilities

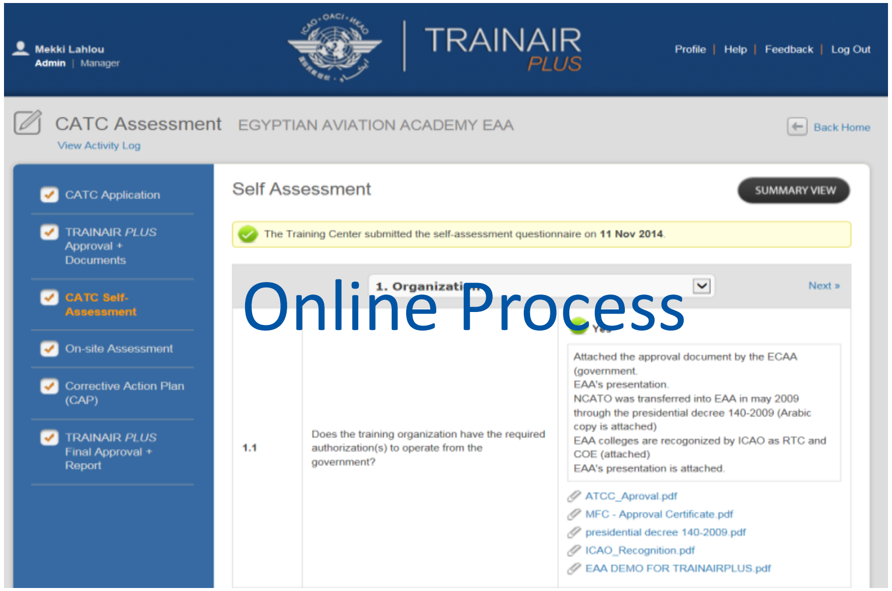
5 Personnel

6 Records

7 Quality System

8 Safety Management (if applicable)

Online Process


TRAINAIR PLUS
Profile | Help | Feedback | Log Out
Back Home
View Activity Log
CATC Application
TRAINAIR PLUS Approval + Documents
CATC Self-Assessment
On-site Assessment
Corrective Action Plan (CAP)
TRAINAIR PLUS Final Approval + Report
SUMMARY VIEW
1. Organizati...
Next »

Mekki Lahlou
Admin | Manager

CATC Assessment EGYPTIAN AVIATION ACADEMY EAA

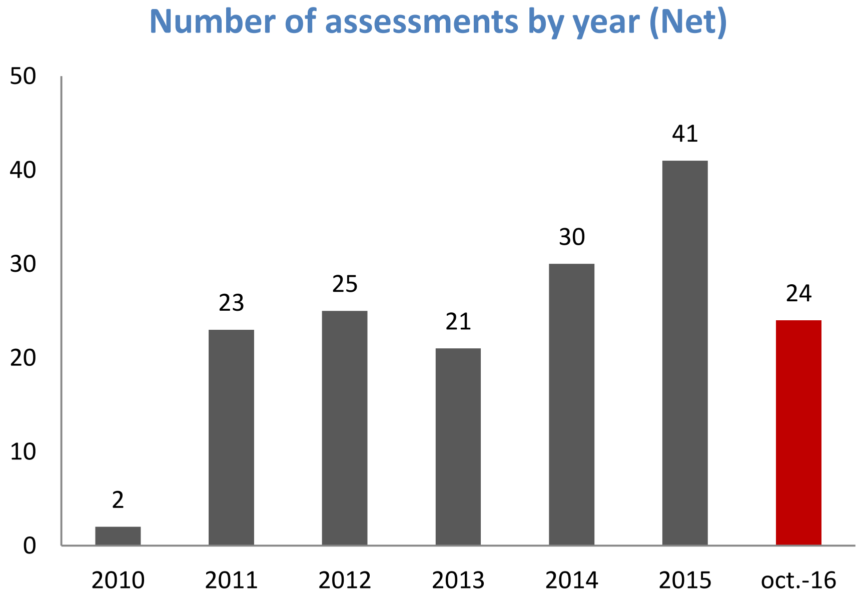
Self Assessment

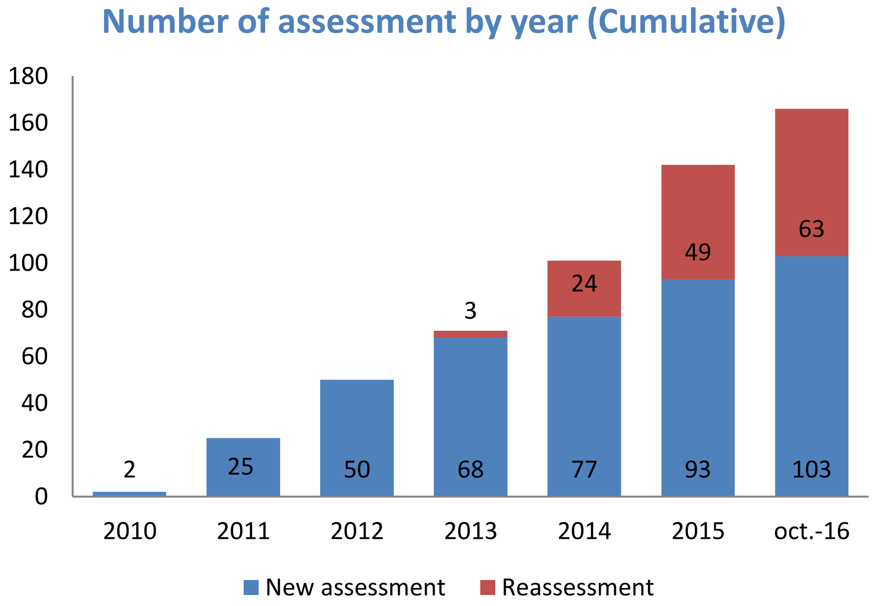
The Training Center submitted the self-assessment questionnaire on **11 Nov 2014**.

1.1	Does the training organization have the required authorization(s) to operate from the government?	Yes Attached the approval document by the ECAA (government. EAA's presentation. NCATO was transferred into EAA in may 2009 through the presidential decree 140-2009 (Arabic copy is attached) EAA colleges are recogonized by ICAO as RTC and COE (attached) EAA's presentation is attached. ATCC_Aproval.pdf MFC - Approval Certificate.pdf presidential decree 140-2009.pdf ICAO_Recognition.pdf EAA DEMO FOR TRAINAIRPLUS.pdf

Training Assessment

- 24 assessments conducted in 2016 (14 reassessments and 10 new assessments)
- 166 assessments since 2010 (103 new assessments and 63 reassessments)


Number of assessments by year (Net)


Number of assessment by year (Cumulative)

2. Training Design and Development

Providing expertise and support to develop competency-based training

Training Development Guide

Doc 9941
AN/478

TRAINAIR
PLUS

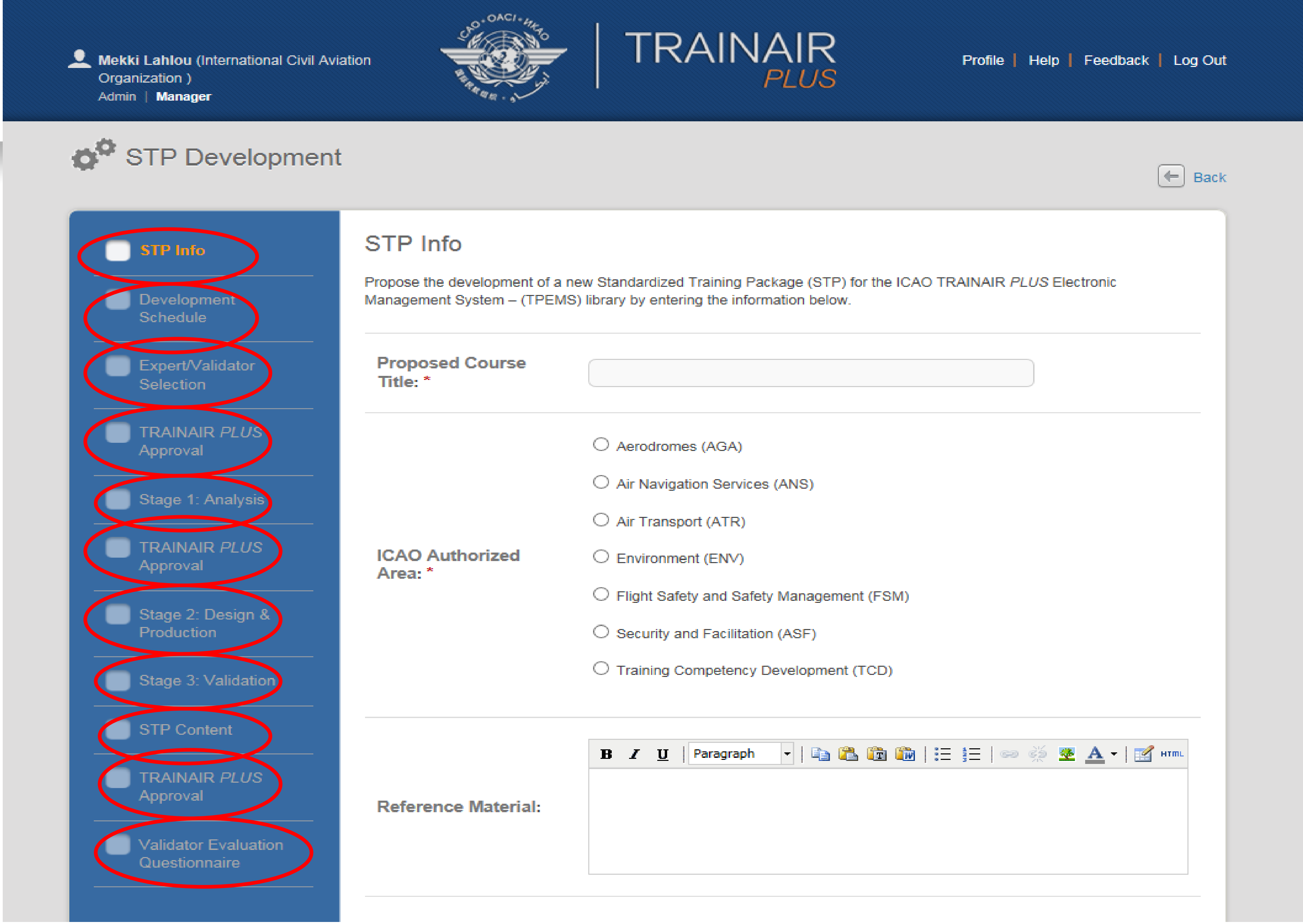
Training Development Guide
Competency-based Training Methodology

2011 | First Edition

Approved by the Secretary General and published under his authority

International Civil Aviation Organization

- **ICAO Doc 9941**
- TRAINAIR PLUS Competency-based training methodology
- Design and Develop ICAO Harmonized Training Packages (ITP, PTP, STP, CTP)



Mekki Lahlou (International Civil Aviation Organization)
Admin | **Manager**

TRAINAIR *PLUS*

Profile | Help | Feedback | Log Out

STP Development

Back

- **STP Info**
- Development Schedule
- Expert/Validator Selection
- TRAINAIR *PLUS* Approval
- Stage 1: Analysis
- TRAINAIR *PLUS* Approval
- Stage 2: Design & Production
- Stage 3: Validation
- STP Content
- TRAINAIR *PLUS* Approval
- Validator Evaluation Questionnaire

STP Info

Propose the development of a new Standardized Training Package (STP) for the ICAO TRAINAIR *PLUS* Electronic Management System – (TPEMS) library by entering the information below.

Proposed Course Title: *

ICAO Authorized Area: *

○ Aerodromes (AGA)
○ Air Navigation Services (ANS)
○ Air Transport (ATR)
○ Environment (ENV)
○ Flight Safety and Safety Management (FSM)
○ Security and Facilitation (ASF)
○ Training Competency Development (TCD)

Reference Material:

Competency-based Training Benefits

- Perform a job applying the competencies – K/S/A – identified for the job, to the required standard (criteria) for the job

Global Aviation Training Catalogue

ICAO GLOBAL AVIATION TRAINING
TRAINAIR PLUS™

Global Aviation Course Catalogue 2016

Third Edition
March 2016

Aerodromes
Air Navigation Services
Air Transport
Environment
Flight Safety and Safety Management
Security and Facilitation
Capacity Building

130 +
Training
Packages

Aerodromes

Air Navigation Services

Air Transport

Environment

Flight Safety and Safety Management

Security and Facilitation

Competency Development

- ❑ Measurable human performance improvement in ICAO areas
- ❑ Measurable results at the individual and organizational level

3. TRAINAIR PLUS Programme

Access to a global training network to share and deliver cost-effective standardized training

How TRAINAIR PLUS helps its Members?

A cooperative global network of training centres which:

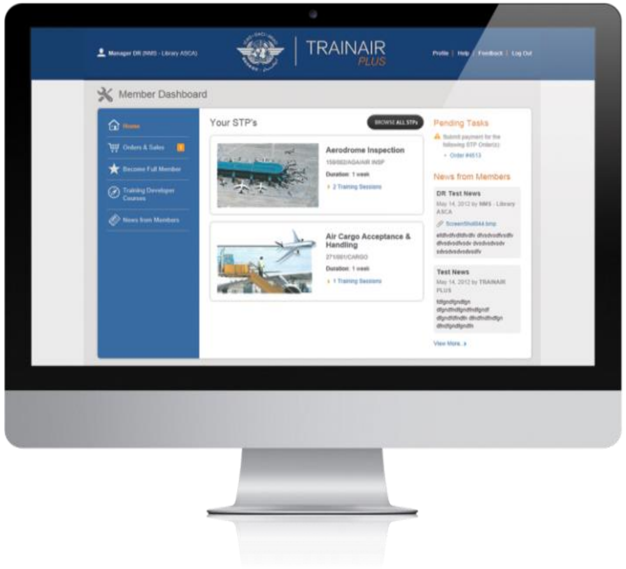
TRAINAIR PLUS™

- ✓ implement a **standardized methodology** to develop competency-based training courses
- ✓ share **competency-based training packages**
- ✓ deliver **ICAO- harmonized Training Packages**

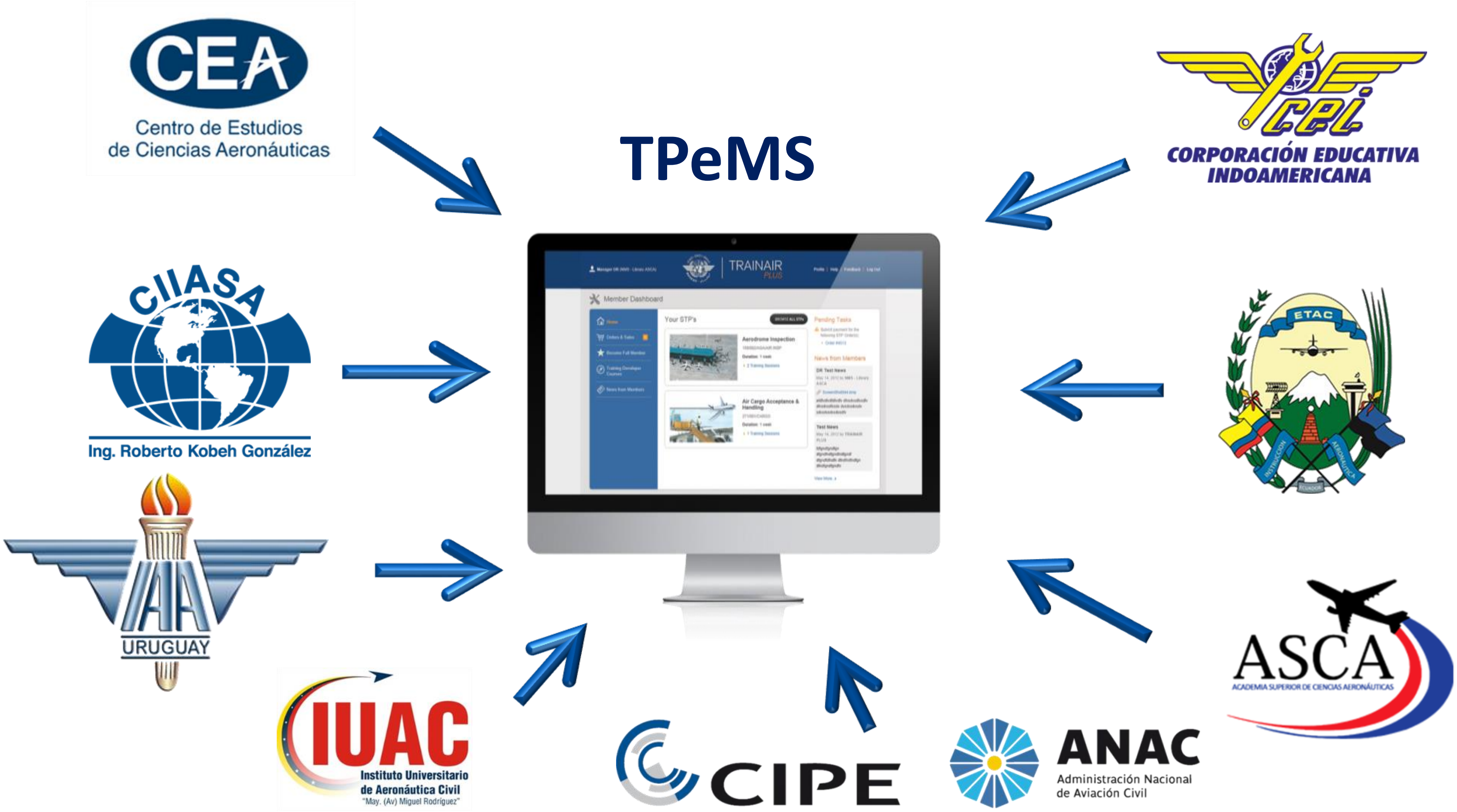
TRAINAIR PLUS Electronic Management System (TPeMS)

Integrated processes and procedures for:

- Membership application Process
- Development of ICAO harmonized training packages (STPs, ITPs, CTPs)
- Hosting of ICAO courses
- Training package library + exchange
- Production of certificates
- Roster of validators and instructors (new)
- Trainee questionnaires (new)
- Online registrations (new)
- Post Training Evaluation Process (new)


TRAINAIR
PLUS
Profile | Help | Feedback | Log Out
Member Dashboard
Home
Orders & Sales
Become Full Member
Training Developer Courses
News from Members
Your STP's
BROWSE ALL STPs
Aerodrome Inspection
Duration: 1 week
2 Training Sessions
Air Cargo Acceptance & Handling
271/001/CARGO
Duration: 1 week
1 Training Sessions
Pending Tasks
News from Members
DR Test News
Test News
View More »

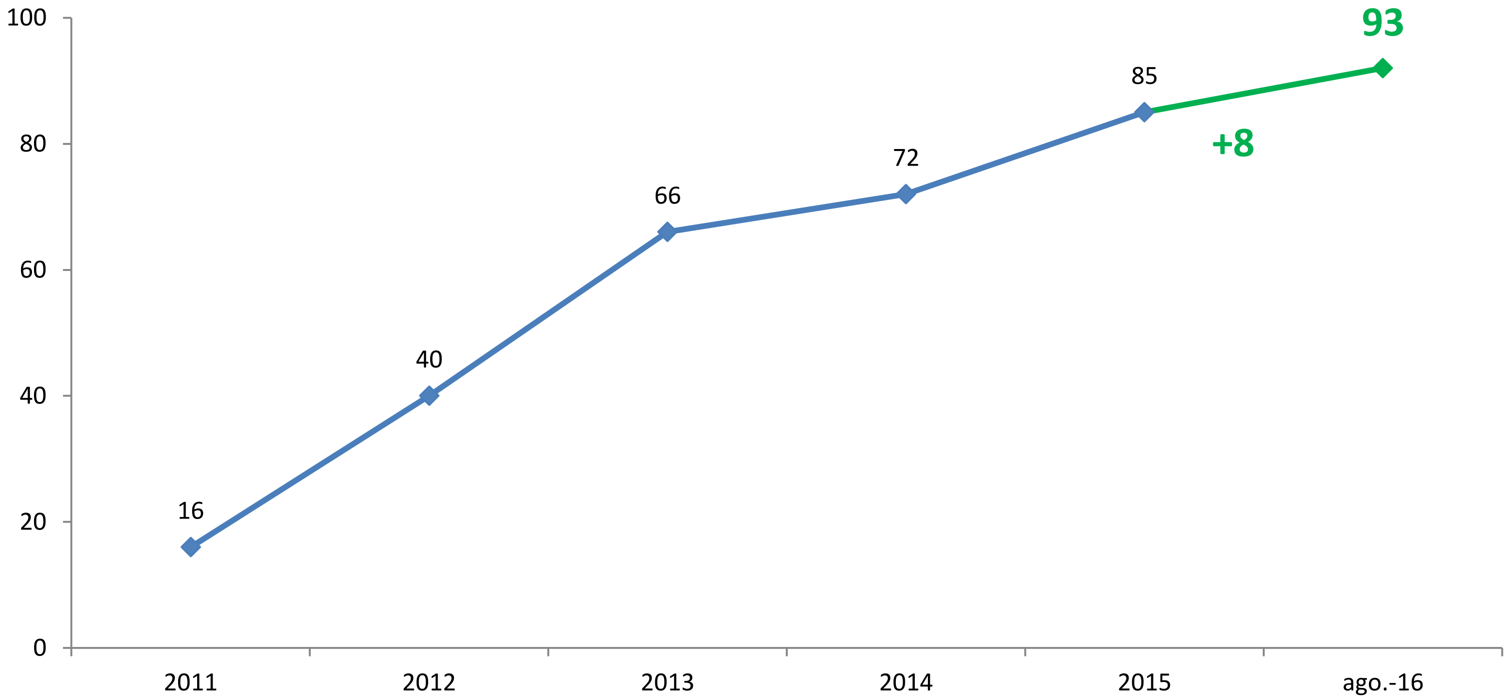
Network of Training Centres



TPeMS

CEA
Centro de Estudios de Ciencias Aeronáuticas
CIIASA
Ing. Roberto Kobeh González
IAA
URUGUAY
IUAC
Instituto Universitario de Aeronáutica Civil
"May. (Av) Miguel Rodríguez"
CIPE
ANAC
Administración Nacional de Aviación Civil
ASCA
ACADEMIA SUPERIOR DE CIENCIAS AERONÁUTICAS
ETAC
CEI
CORPORACIÓN EDUCATIVA INDOAMERICANA
TRAINAIR PLUS
Member Dashboard

TPP Membership (As of November 2016)



Global Membership Status

(November 2016)

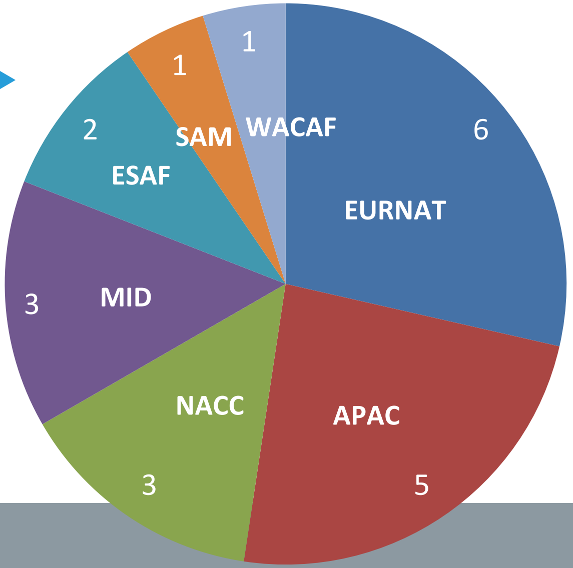
Regional Distribution

Region	APAC	EURNAT	NACC	MID	SAM	ESAF	WACAF	Total
Number	25	23	13	12	10	6	4	93
%	26	25	14	13	11	7	4	100

51%

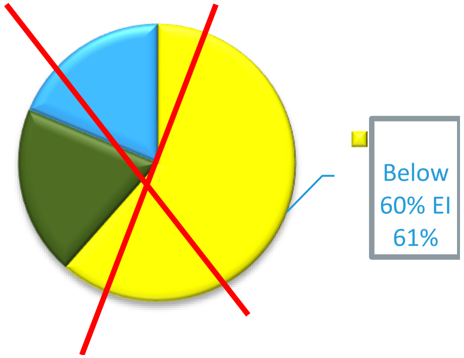
Membership Category

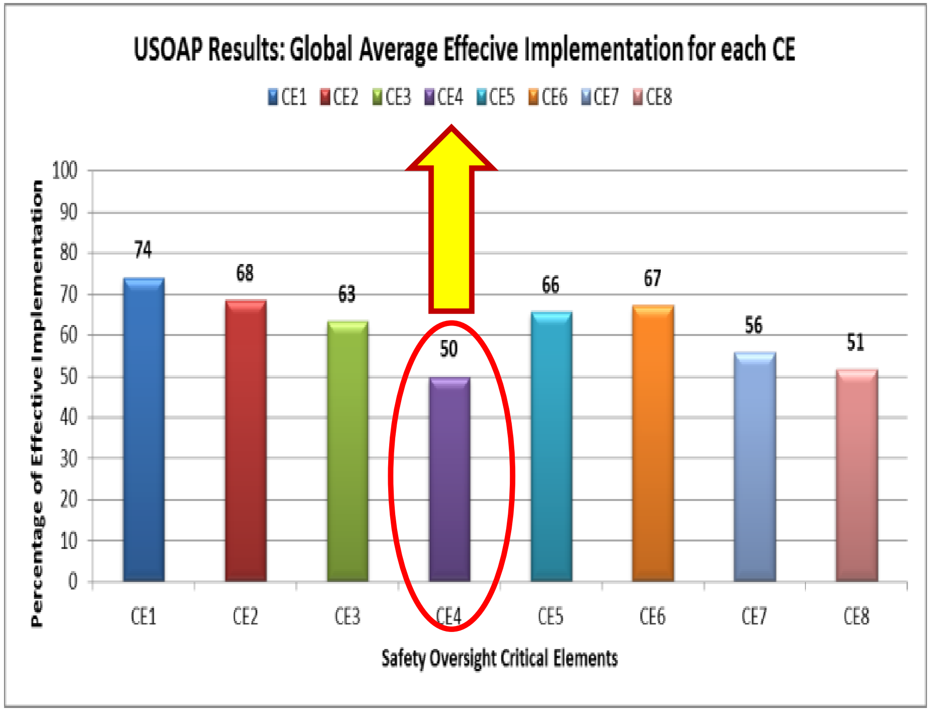
Membership category	Associate	Full	RTCE	Corporate
Number	37	32	21	3
%	42	32	23	3



How TRANAIR PLUS Helps States

- ❑ Standardized training
- ❑ Access to qualified personnel with required competencies
- ❑ Mobility of qualified personnel





❑ Improvement of CE4 results

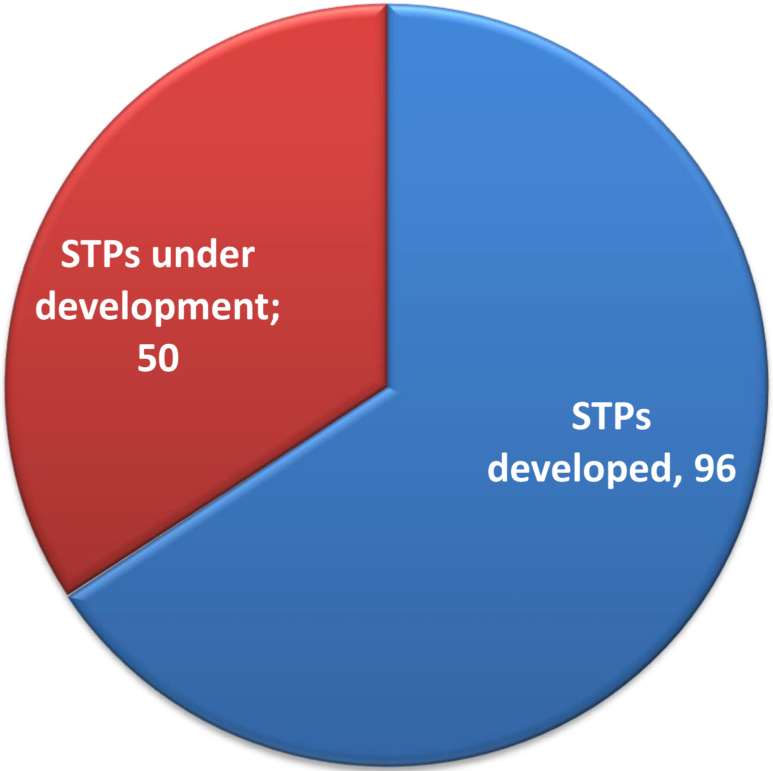
TRAINAIR PLUS Activities:

TRAINAIR PLUS
Current Status

TRAINAIR PLUS
New Activities

TRAINAIR PLUS
Future Plans

STPs: Developed and Under Development (as of November 2016)



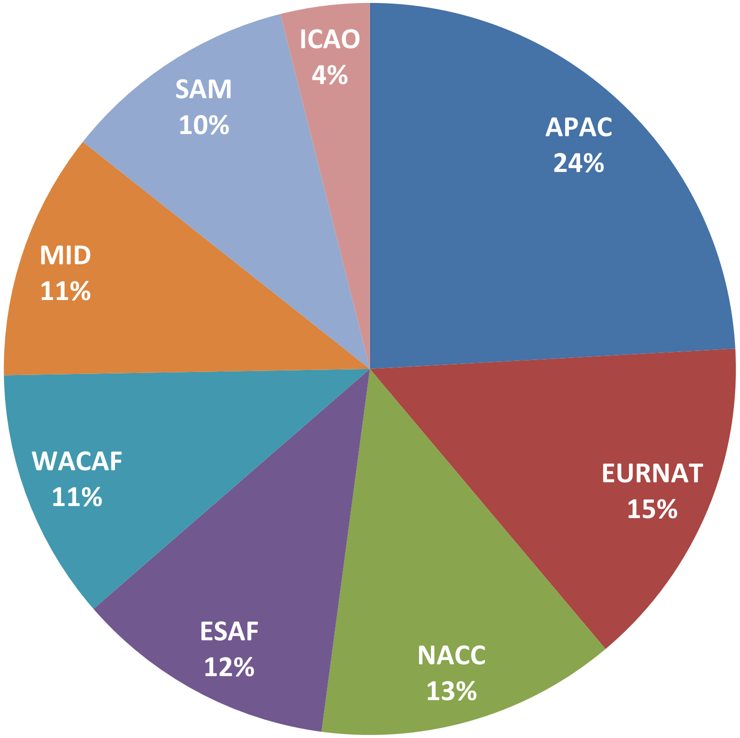
GLOBAL AVIATION TRAINING
TRAINAIR PLUS™

Course Catalogue 2016

Fourth Edition
September 2016

Aerodromes
Air Navigation Services
Air Transport
Environment
Flight Safety and Safety Management
Security and Facilitation
Training Competency Development

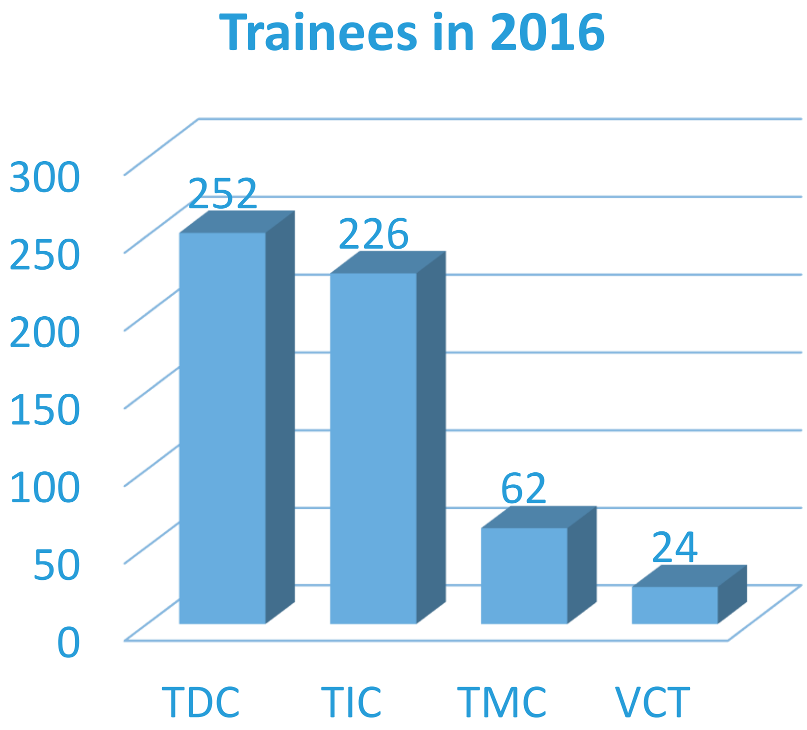
Trainees distribution by Region up to July 2016



APAC	EURNAT	NACC	ESAF	WACAF	MID	SAM	ICAO	Total
417	255	229	199	192	189	180	68	1729

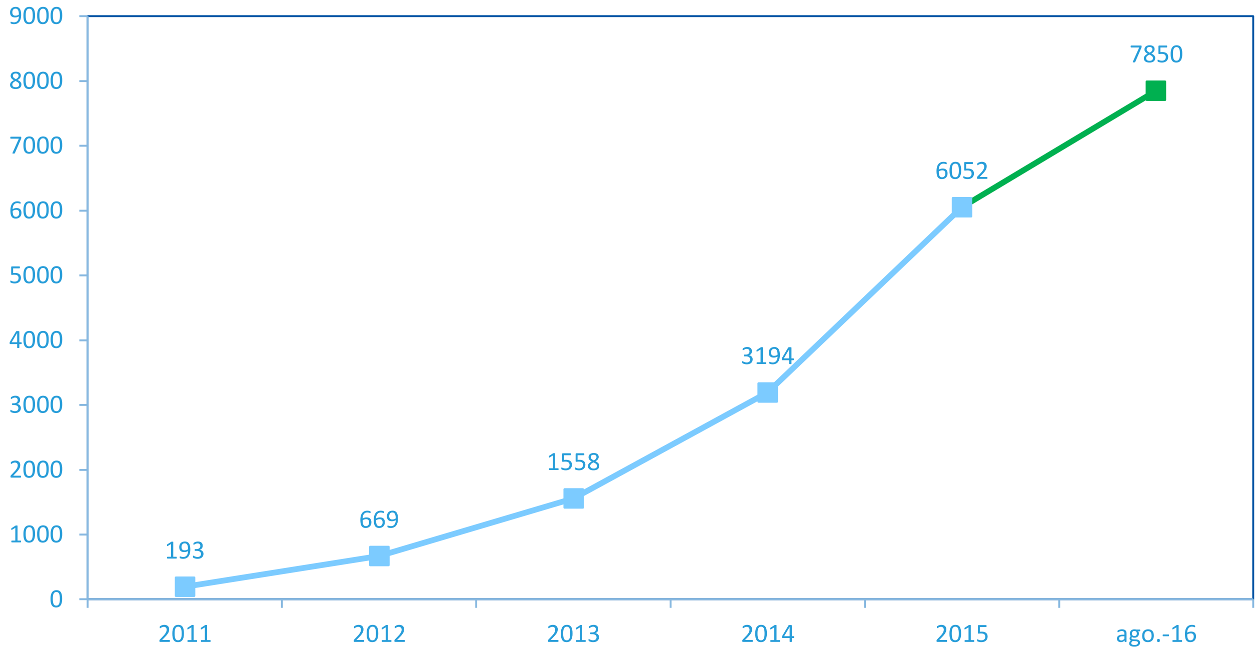
ICAO Training Competency Development

- Training Developers Course (TDC)
- Training Instructors Course (TIC)
- Training Managers Course (TMC)
- Validating Competency-based Training Course (VCT) (New)



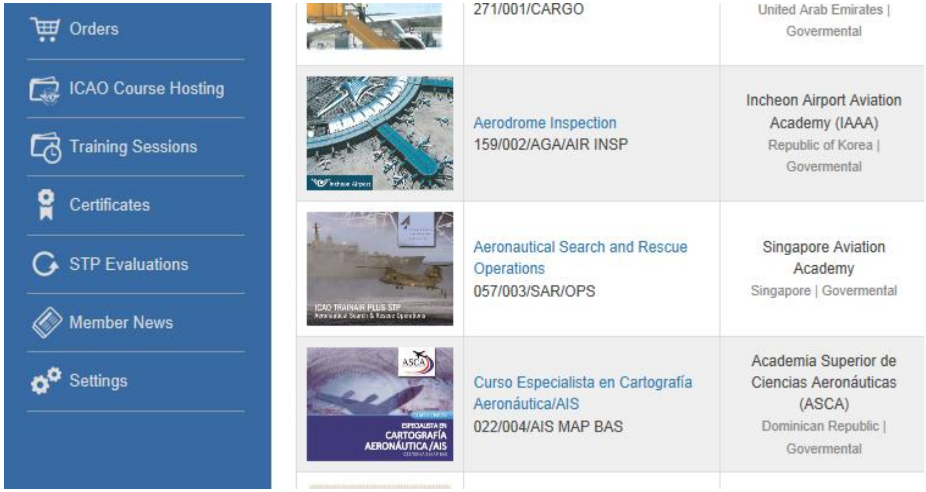
Number of Trainees
(2011 – August 2016)

Cumulative



The TPEMs Virtual Library Exchange

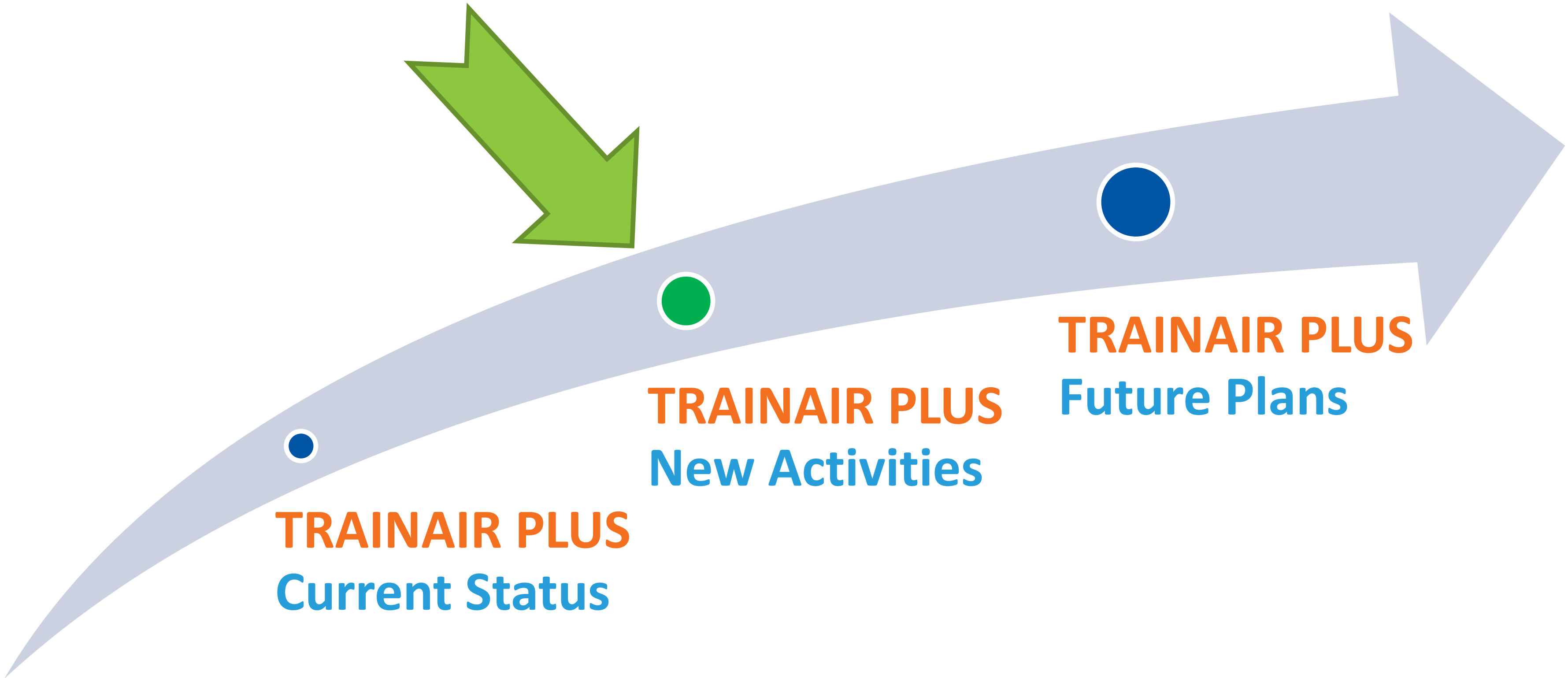
✓STPs exchanged= 24


Orders
ICAO Course Hosting
Training Sessions
Certificates
STP Evaluations
Member News
Settings

	271/001/CARGO	United Arab Emirates | Govermental
	Aerodrome Inspection 159/002/AGA/AIR INSP	Incheon Airport Aviation Academy (IAAA) Republic of Korea | Govermental
	Aeronautical Search and Rescue Operations 057/003/SAR/OPS	Singapore Aviation Academy Singapore | Govermental
	Curso Especialista en Cartografía Aeronáutica/AIS 022/004/AIS MAP BAS	Academia Superior de Ciencias Aeronáuticas (ASCA) Dominican Republic | Govermental

TRAINAIR PLUS
Member Dashboard
Your STPs
Aerodrome Inspection

TRAINAIR PLUS Activities:



TRAINAIR PLUS
Current Status

TRAINAIR PLUS
New Activities

TRAINAIR PLUS
Future Plans

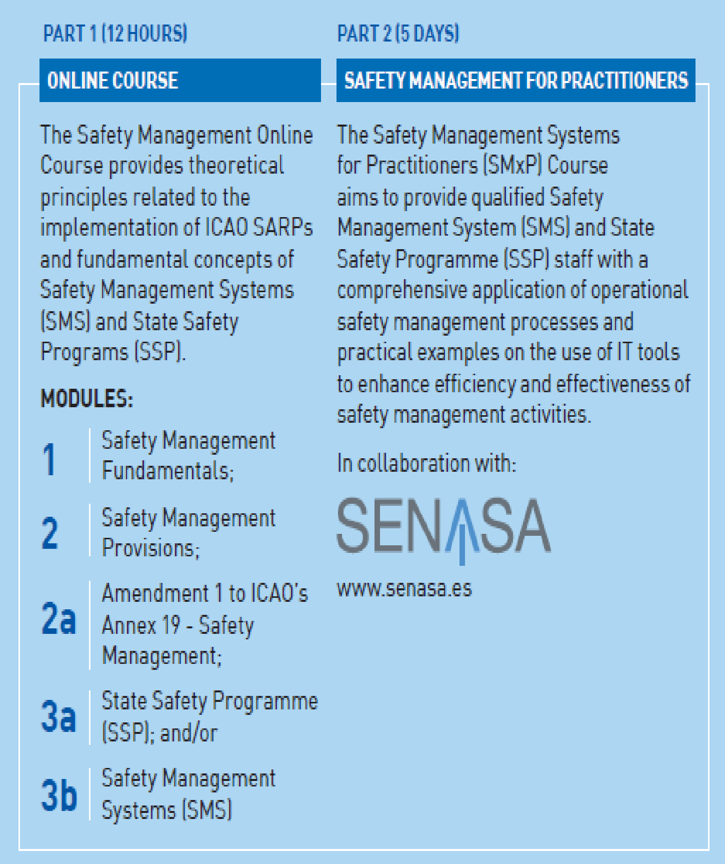
CATC ISD Validator

1	Completion of ICAO Training Developers Course (TDC)	TDC Course Certificate
2	Development of an STP and at least two more ICAO harmonized competency-based training courses (STP/CTP/ITP)	IQCD certificate + *course development experience*
3	Completion of ICAO Validating Competency-based Training (VCT) course	VCT Course Certificate
4	Successful completion of the CATC ISD Validator OJT conducted by an ICAO ISD Validator and final assessment	CATC ISD Validator Certificate
5	Completion of two more STP/CTP/ITP validations under remote supervision of an ICAO ISD Validator	*CATC ISD Validator Experience*

Continuous monitoring and evaluation

The Safety Management Training Programme

- Provide **State** with the basic knowledge, skills and attitudes to advocate safety management systems (SMS) requirements.
- Provide **service providers** with the basic knowledge, skills and attitudes to implement, administer or participate in SMS operations.



PART 1 (12 HOURS)

ONLINE COURSE

The Safety Management Online Course provides theoretical principles related to the implementation of ICAO SARPs and fundamental concepts of Safety Management Systems (SMS) and State Safety Programs (SSP).

MODULES:

1 Safety Management Fundamentals;
2 Safety Management Provisions;
2a Amendment 1 to ICAO's Annex 19 - Safety Management;
3a State Safety Programme (SSP); and/or
3b Safety Management Systems (SMS)

PART 2 (5 DAYS)

SAFETY MANAGEMENT FOR PRACTITIONERS

The Safety Management Systems for Practitioners (SMxP) Course aims to provide qualified Safety Management System (SMS) and State Safety Programme (SSP) staff with a comprehensive application of operational safety management processes and practical examples on the use of IT tools to enhance efficiency and effectiveness of safety management activities.

In collaboration with:

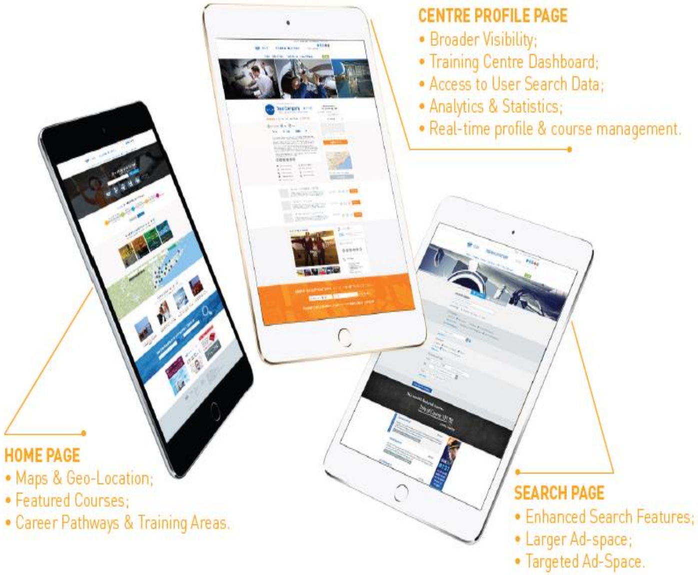
SENASA

www.senasa.es

Aviation Training and Education Directory:

- **What is the Aviation Training and Education Directory (ATED):**
  - New platform merging the Aviation Training Directory (ATD) and the Aviation Tertiary Education Directory (ATED)
  - ATD:
    - A global web listing of over 400 government approved training centres and their courses from more than 100 countries.
  - ATED:
    - NGAP's listing of aviation-related degree bearing institutions around the world.

ICAO | AVIATION TRAINING DIRECTORY



CENTRE PROFILE PAGE
- Broader Visibility;
- Training Centre Dashboard;
- Access to User Search Data;
- Analytics & Statistics;
- Real-time profile & course management.

HOME PAGE
- Maps & Geo-Location;
- Featured Courses;
- Career Pathways & Training Areas.

SEARCH PAGE
- Enhanced Search Features;
- Larger Ad-space;
- Targeted Ad-Space.

Why develop an ATED?

- A **search engine** used by aviation professionals from 191 Member States seeking specialized technical/management training or education.

- **Tool** for NGAP and CGAP interested in pursuing training.

- **Facilitate** career development to NGAP and professionals (CGAP).

- Build an **online community** of training organizations and trainees.

Login Register

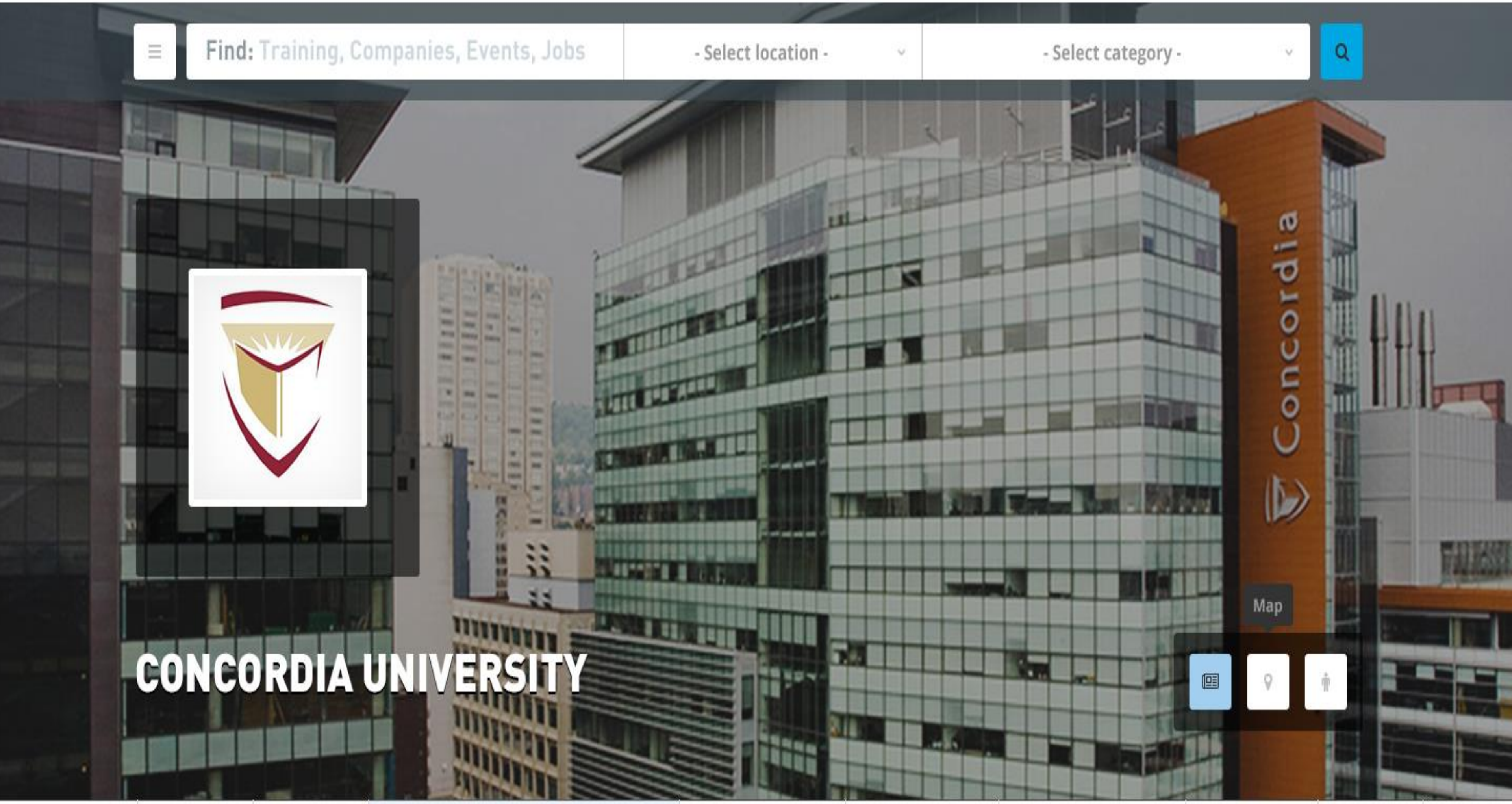
UNITING AVIATION

EN + Add Listing

Find: Training, Companies, Events, Jobs

- Select location -

- Select category -



CONCORDIA UNIVERSITY

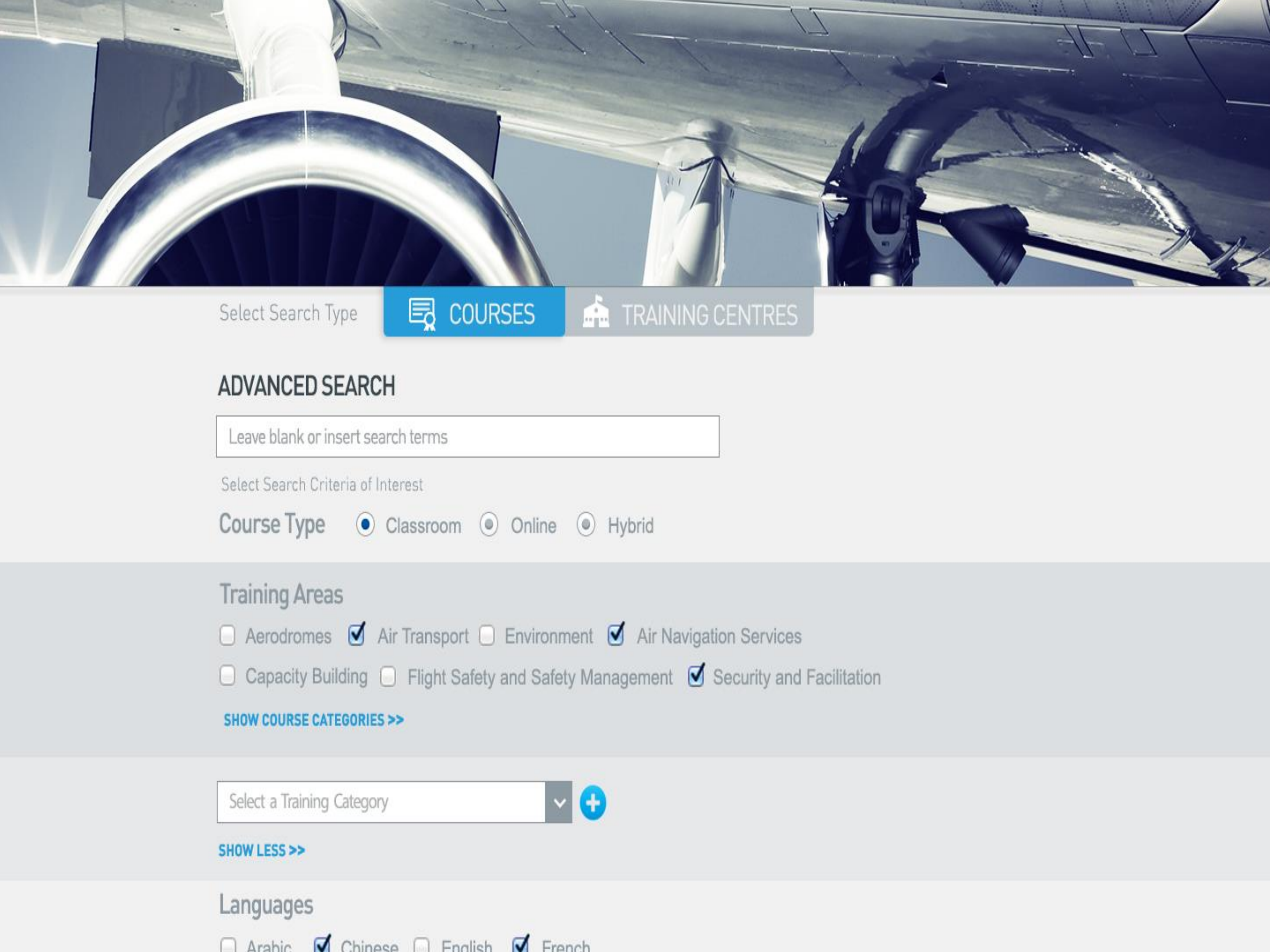
HOME | NEWS | TRAINING & EDUCATION | PARTNERS | NETWORK | DOCUMENTS | EVENTS | JOBS

PROFILE HOME

CONCORDIA UNIVERSITY

JOHN MOLSON EXECUTIVE CENTRE

f t g+ in



Select Search Type

COURSES
TRAINING CENTRES

ADVANCED SEARCH

Leave blank or insert search terms

Select Search Criteria of Interest

Course Type ● Classroom ○ Online ○ Hybrid

Training Areas

☐ Aerodromes ☑ Air Transport ☐ Environment ☑ Air Navigation Services

☐ Capacity Building ☐ Flight Safety and Safety Management ☑ Security and Facilitation

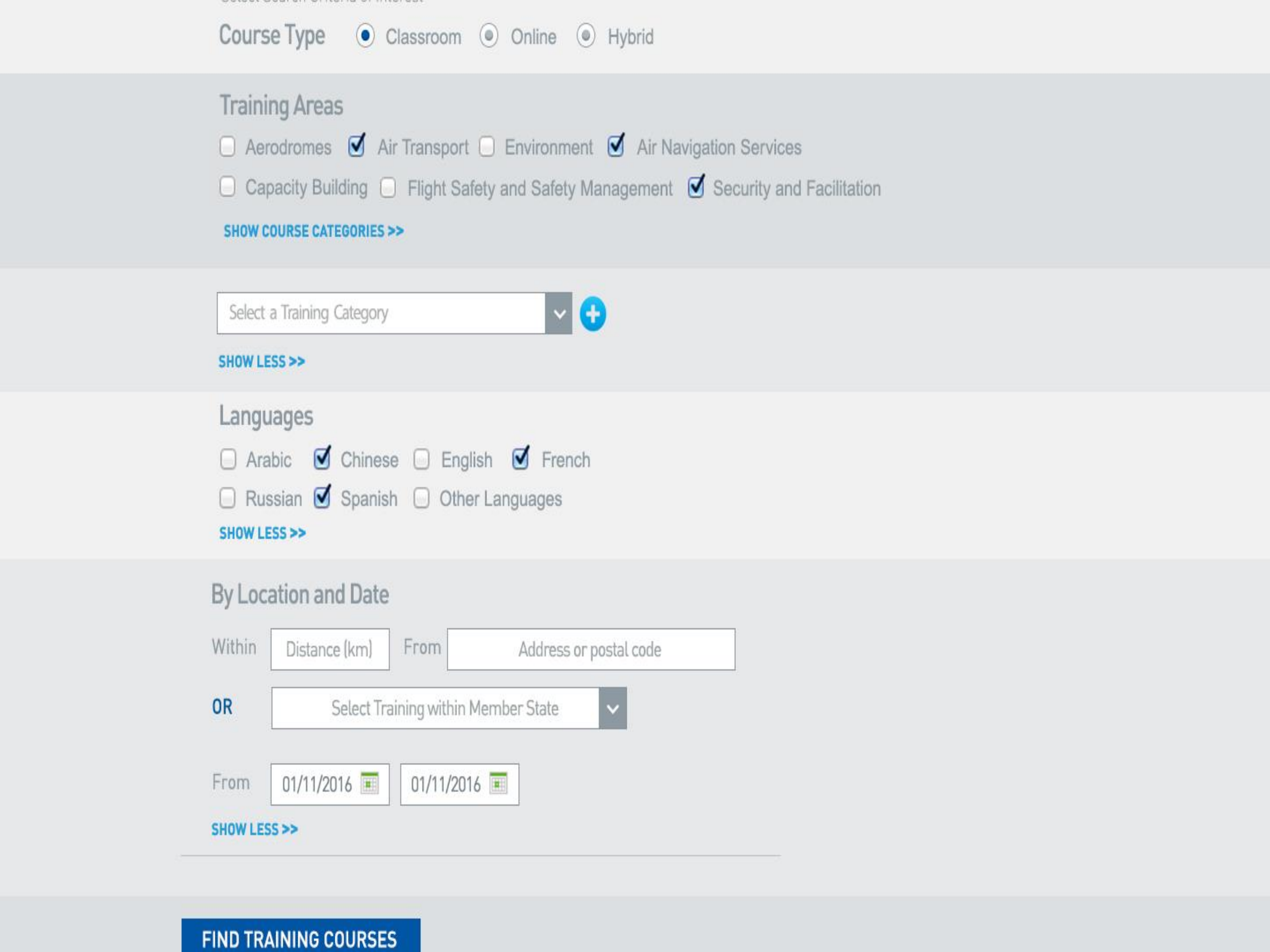
SHOW COURSE CATEGORIES >>

Select a Training Category

SHOW LESS >>

Languages

☐ Arabic ☑ Chinese ☐ English ☑ French



Course Type ● Classroom ○ Online ○ Hybrid

Training Areas

☐ Aerodromes ☑ Air Transport ☐ Environment ☑ Air Navigation Services

☐ Capacity Building ☐ Flight Safety and Safety Management ☑ Security and Facilitation

Languages

☐ Arabic ☑ Chinese ☐ English ☑ French

☐ Russian ☑ Spanish ☐ Other Languages

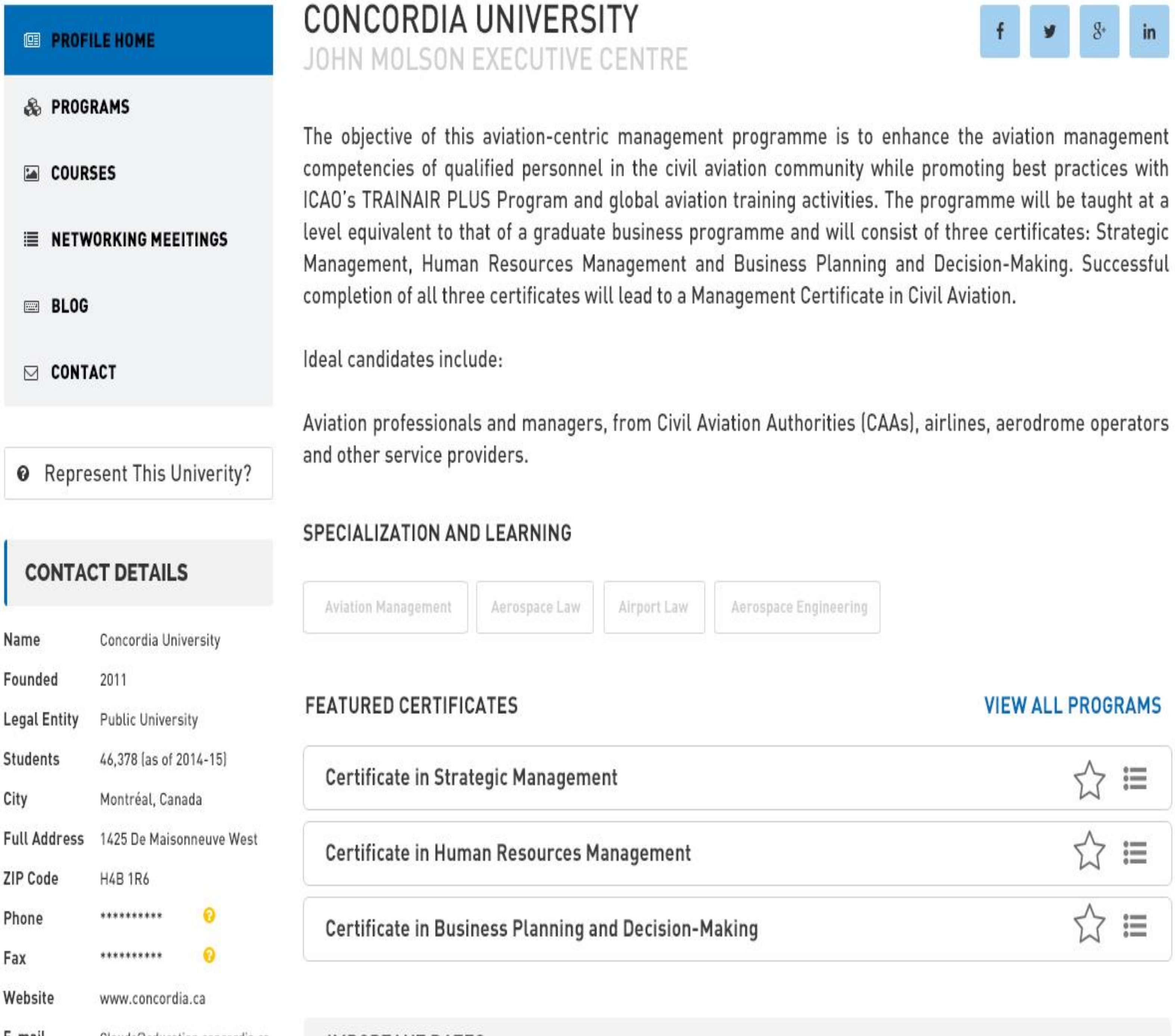
By Location and Date

Within Distance (km) From Address or postal code

OR Select Training within Member State

From 01/11/2016 01/11/2016

SHOW COURSE CATEGORIES >>
Select a Training Category
SHOW LESS >>
SHOW LESS >>
SHOW LESS >>
FIND TRAINING COURSES



CONCORDIA UNIVERSITY

JOHN MOLSON EXECUTIVE CENTRE

The objective of this aviation-centric management programme is to enhance the aviation management competencies of qualified personnel in the civil aviation community while promoting best practices with ICAO's TRAINAIR PLUS Program and global aviation training activities. The programme will be taught at a level equivalent to that of a graduate business programme and will consist of three certificates: Strategic Management, Human Resources Management and Business Planning and Decision-Making. Successful completion of all three certificates will lead to a Management Certificate in Civil Aviation.

Ideal candidates include:

Aviation professionals and managers, from Civil Aviation Authorities (CAAs), airlines, aerodrome operators and other service providers.

SPECIALIZATION AND LEARNING

Aviation Management
Aerospace Law
Airport Law
Aerospace Engineering

FEATURED CERTIFICATES

- Certificate in Strategic Management
- Certificate in Human Resources Management
- Certificate in Business Planning and Decision-Making

CONTACT DETAILS

Name	Concordia University
Founded	2011
Legal Entity	Public University
Students	46,378 (as of 2014-15)
City	Montréal, Canada
Full Address	1425 De Maisonneuve West
ZIP Code	H4B 1R6
Phone	**********
Fax	**********
Website	www.concordia.ca

Founded	2011
Legal Entity	Public University
Students	46,378 (as of 2014-15)
City	Montréal, Canada
Full Address	1425 De Maisonneuve West
ZIP Code	H4B 1R6
Phone	********** ?
Fax	********** ?
Website	www.concordia.ca
E-mail	Claude@education.concordia.ca

FEATURED CERTIFICATES

VIEW ALL PROGRAMS

- Certificate in Strategic Management ☆ ☰
- Certificate in Human Resources Management ☆ ☰
- Certificate in Business Planning and Decision-Making ☆ ☰

OPENING HOURS

Mo-Fr:	9AM - 5PM
Sa:	10AM - 3PM
Su:	Closed

IMPORTANT DATES

Certificate in Strategic Management	Spring 2017
Certificate in Human Resources Management	Spring 2017
Certificate in Business Planning and Decision-Making	Fall 2017

APPLY NOW
ADVANCE YOUR CAREER

FEATURED FACULTY MEMBERS

Jordan L. LeBel
Associate Professor,
Marketing

APPLY NOW
ADVANCE YOUR CAREER

FEATURED FACULTY MEMBERS

Jordan L. LeBel
Associate Professor,
Marketing

ABOUT UNITINGAVIATION

ICAO

Bringing air transport partners together for a common goal; to promote safety, security and facilitation, capacity and effiency, environment protection, and technical cooperation. Join us on this exciting new mission.

LATEST FROM BLOG

12 SEP

AVSEC'S NEW INITIATIVE

Lorem ipsum dolor sit amet, consectetur adipisicing elit.

09 SEP

POST TITLE GOES HERE

Lorem ipsum dolor sit amet, consectetur adipisicing elit.

POPULAR CATEGORIES

- NEWS AND ADVANCES
- TRAINING AND EDUCATION
- PARTNER AND NETWORK
- EVENTS AND MEETINGS
- CAREER OPPORTUNITIES

NEWSLETTER

Email address +

KEEP IN TOUCH

f 🐦 g+ in

Other Functionalities for NGAP/CGAP

- **Creating personal accounts for users:**

- Favourite courses and training centres;

- Upload personal information, experience (CV) and fields of interest;

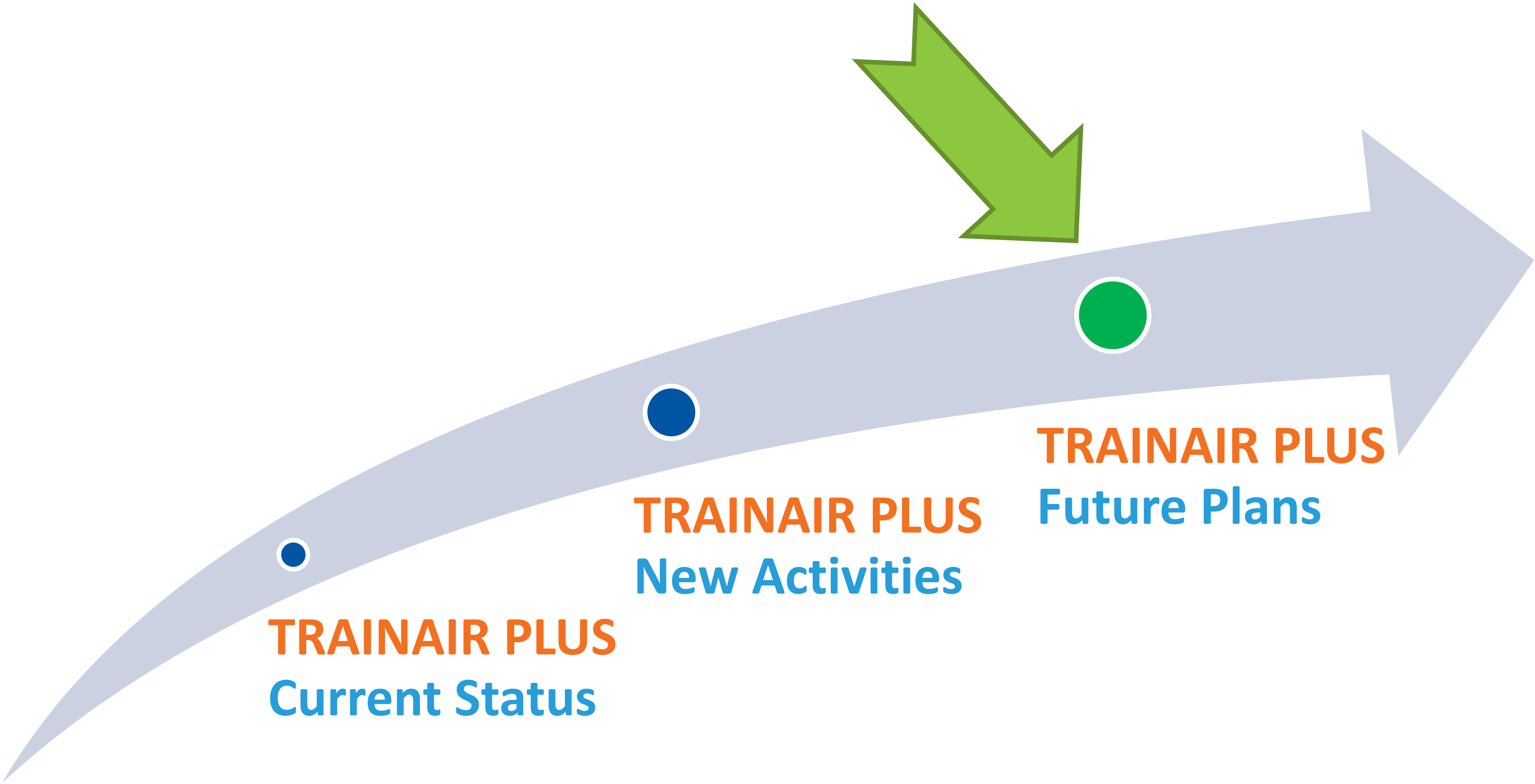
- Sign up for a newsletter to receive offers on courses;

- Calendar and Wish list functionality to track courses and sessions offered by training providers.

Timeline 2017

- **January: Platform Development and Content Integration**
  - Finalize platform coding and development
  - Coordination with training centres and Universities to provide new content requirements
  - Coordination with current ATD training centres for content integration
  - Populate Platform
- **February: Quality Assurance testing with the TRAINAIR PLUS Members and NGAP universities**
  - TRAINAIR PLUS programme profiles
  - Existing ATD member testing
- **March: Launch**
  - Public launch
  - Promote through NGAP and non-NGAP Universities

TRAINAIR PLUS Activities:



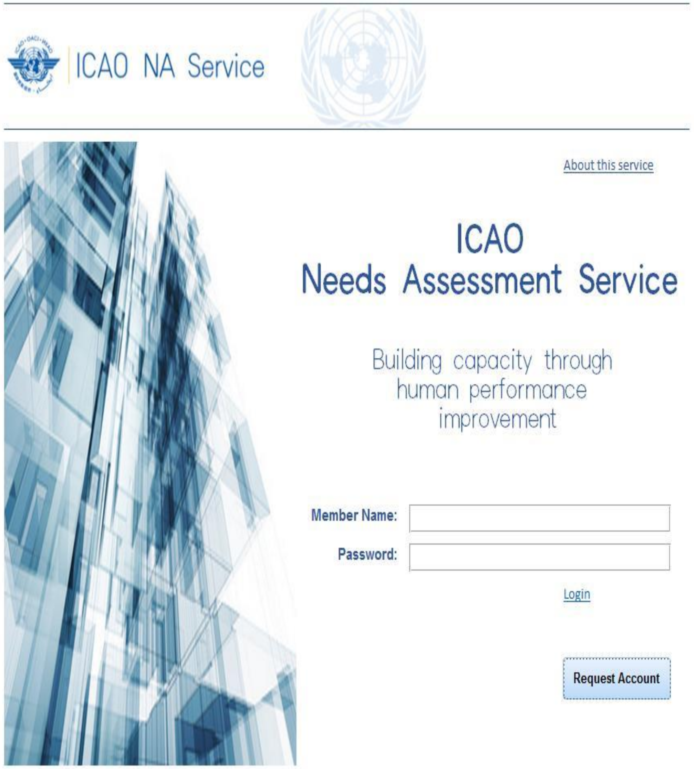
TRAINAIR PLUS
Current Status

TRAINAIR PLUS
New Activities

TRAINAIR PLUS
Future Plans

Needs Assessment Service

- ☐ **Web-based application**
- ☐ **Provides guidance for task analysis and assessing performance gaps**
- ☐ **Identify training needs**



ICAO NA Service

About this service

ICAO
Needs Assessment Service

Building capacity through
human performance
improvement

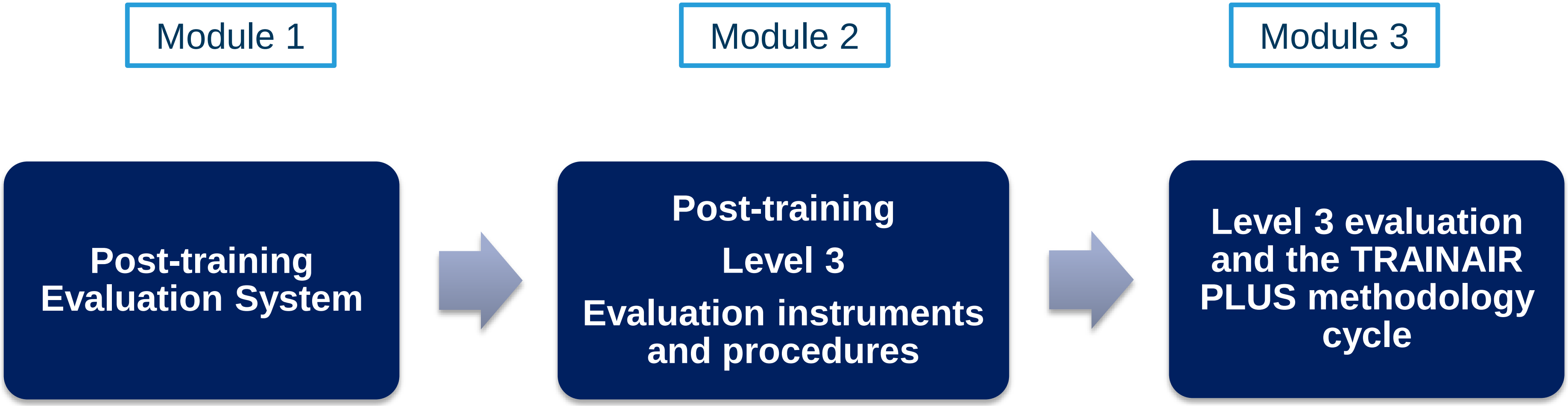
Member Name:

Password:

Login

Request Account

Post-training Evaluation Course



Module 1

Module 2

Module 3

Post-training Evaluation System

Post-training

Level 3

Evaluation instruments and procedures

Level 3 evaluation and the TRAINAIR PLUS methodology cycle

Upcoming Trainings and Events

❑ **Upcoming Training sessions worldwide**

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- Schedule your 2017 training Calendar of ICAO courses
- **Visit our new Search Menchanism**

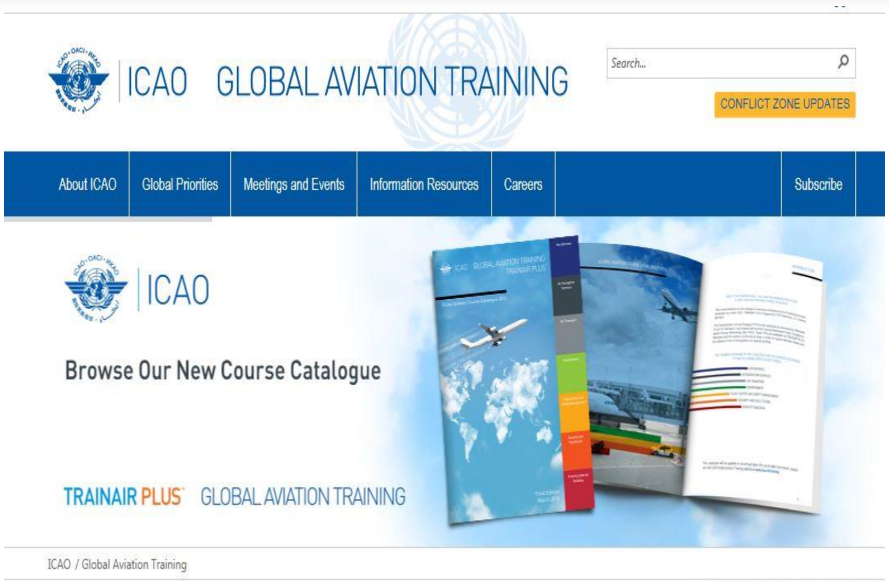
❑ **The ICAO Global Aviation Training and TRAINAIR PLUS Symposium 2017**

Learning
Shift

- **11 to 13 April 2017** - *Addis Ababa, Ethiopia*

Communications

- ❑ **Course Catalogue & Calendar**
- ❑ **ICAO Website**
- ❑ **Newsletter**
- ❑ **Social Media**
- ❑ **Training Report**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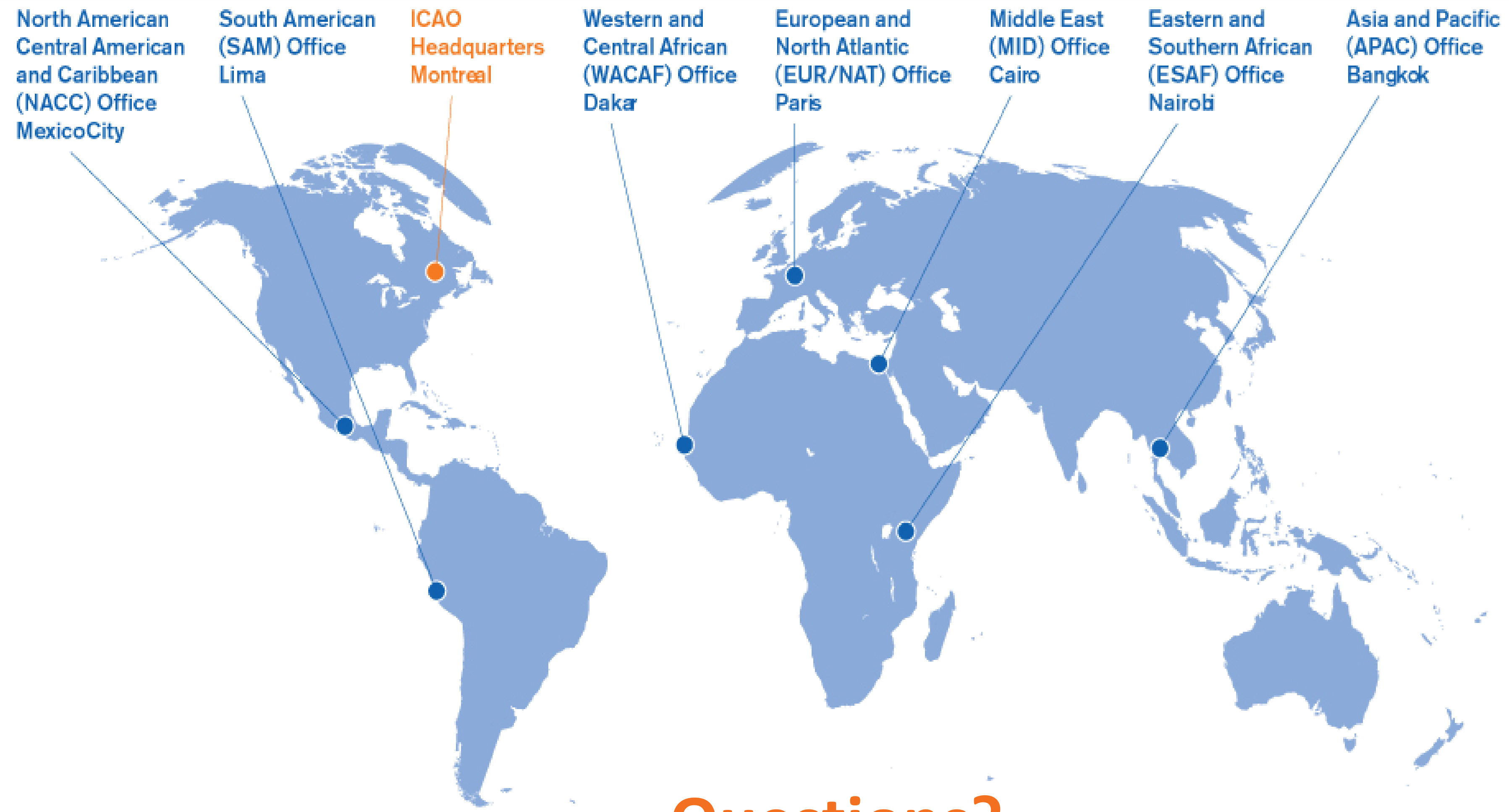
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Questions?

Please complete the meeting online evaluation form you received by email