



FAI

THE WORLD AIR SPORTS

FEDERATION



WEBINAR ANTI-DOPING SERIES PART I

OCTOBER 19TH 2022

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PHYSIOLOGIQUE*



In partnership with



WORLD
ANTI-DOPING
AGENCY
play true

FLY CLEAN





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Medical Doctor, The Netherlands

Chair of Medical Board NAC NL (KNVvL)

Aeromedical examiner

Rulemaking at EASA, focus on General Aviation, including air sports

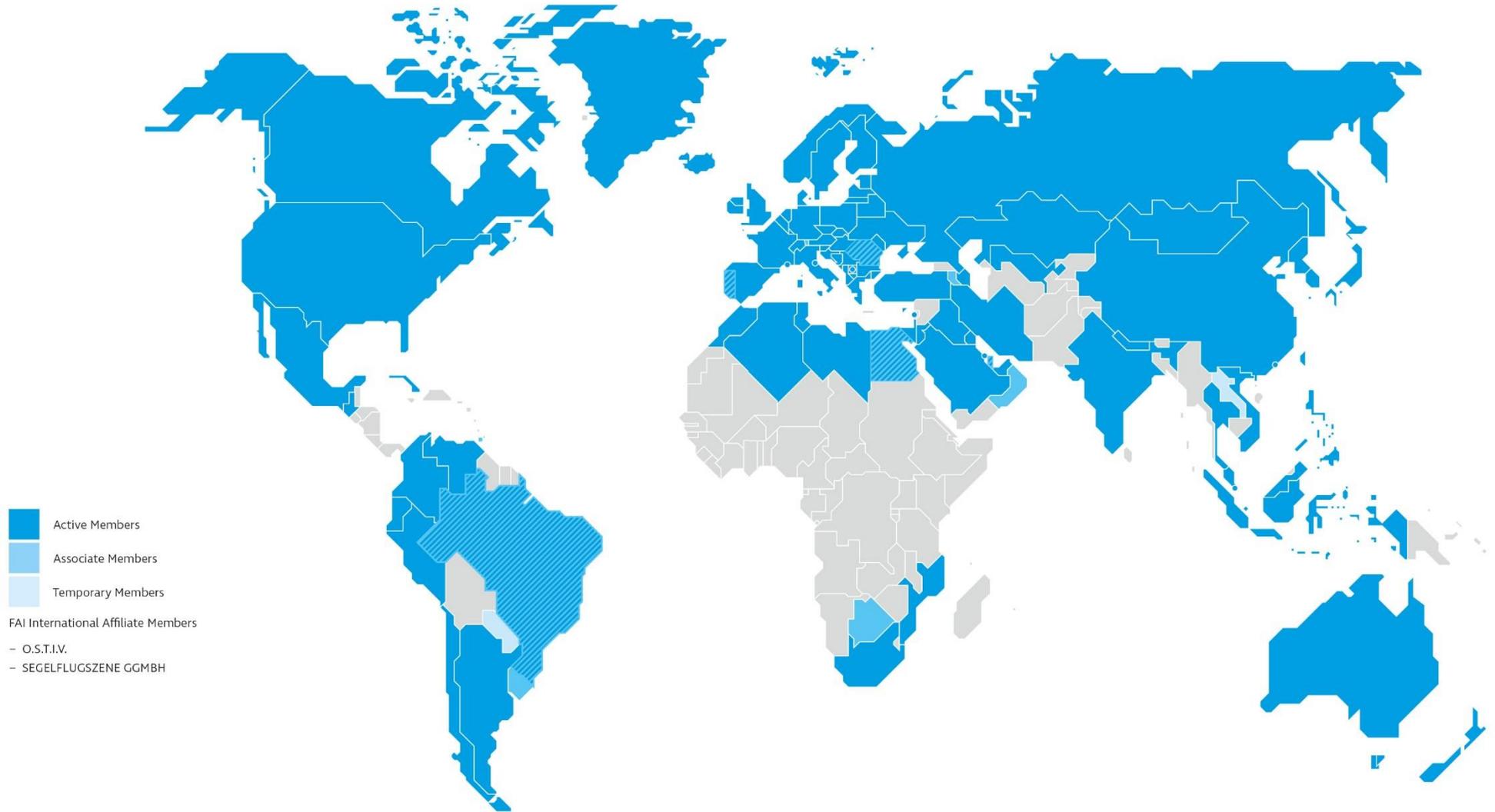
Chair Aeromedical Working Group NL Association of Aerospace Medicine

Glider pilot





**+100
FAI
MEMBERS**



SINCE 1905

We cover all new aeronautical activities and air sports

PARACHUTING



BALLOONING



PARAMOTORS



GLIDING



AEROBATICS



MICROLIGHTS



PARAGLIDING



AEROMODELLING



DRONES



HANG GLIDING



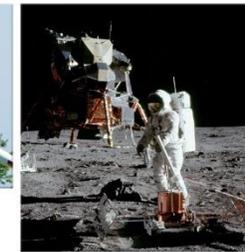
GENERAL AVIATION



AMATEUR & EXPERIMENTAL AIRCRAFT



ROTORCRAFT



ASTRONAUTIC RECORDS



CIMP 100 YEARS

CIMP 1922-
2022



FAI



MEDICO-
PHYSIOLOGICAL
COMMISSION



SEPTEMBER
2022





CIMP: WHO ARE WE?

- 32 delegates from FAI Member Countries
- Since 1922
- Technical FAI Commission
- Experienced aerospace medicine / scientific specialists
- Medical advisors to national aeroclubs (NACs)
- Active rated sport and/or competition pilots





CIMP MISSION AND TASKS

AIM: Study of medical and physiological factors that influence human performance and behaviour in the air sport environment

3 main TASKS:

1. Safety enhancement/accident prevention
2. Regulatory issues (ICAO, JAA, EASA)
3. Anti-Doping



SCOPE



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3000 BC - 500 AC: (Greece, Rome, Scandinavia):

- Herbal drinks/mixtures, also for horses, to increase muscle power
- Mushrooms, plant roots, leaves, bull's testicles
- Diets (only meat, eating the heart of the enemy, breastmilk...)
- Fittest candidates of a nation to be selected as athletes or combatants

17^e Century:

1. Herbal mixture = “dop” (South Africa) , for getting into a trance → doping

2. America: stimulating sauce (“dope”) from the Indians
→ doping

Doping
history: it is
not new

DOPING HISTORY 2

19th century:

- Chemical made drugs: opium, nitroglycerin, strychnine, caffeine, cocaine, alcohol

Modern times:

- WWII: amfetamines, testosteron, anabolic steroids
- 1966 first doping checks
- Increasing list of used substances and methods (EPO, cannabis, stimulants, growth hormone, nutritional supplements etc)
- 1967 IOC: 1^e doping list
- 1998 first big doping scandal France (Cycling)
- 1998: 1^e World Conference on Doping in Sport, Lausanne
- 2004 IOC → WADA: World **ANTI**-Doping Agency



1998
TOUR DE
FRANCE





2004: establishing of World Anti Doping Agency

The World Anti-Doping Code (Code) is the core document that harmonizes anti-doping policies, rules and regulations within sport organizations and among public authorities around the world.

Responsible for Anti-Doping List:

- Minimal 1x/year revision of AD list
- 2022: extended list of substances, methods, treatments: blood-doping, gene-doping, hormones, inhalation of xenon and argon, etc.etc.



DEFINITION OF DOPING

WADA: Substances and methods that are on the Prohibited List of the World Anti-Doping Agency

When on the list?

Min. 2 of 3:

- (possible) enhancement of performance
- (possible) harmful to the health
- Contrary to “spirit of sport” : KAMILA

FAI ANTI-DOPING RULES:

ARTICLE 1 DEFINITION OF DOPING

Doping is defined as the occurrence of one or more of the anti-doping rule violations set forth in Article 2.1 through Article 2.11 of these Anti-Doping Rules.





Reasons for
using doping

To increase physical strength and endurance

To increase muscle mass

To keep awake

To block pain

To mask fatigue

To relax

To increase concentration, excitement

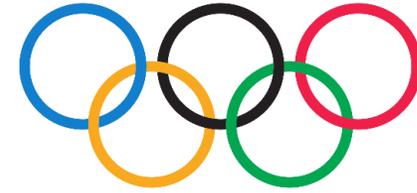
WIDE-SPREAD USE OF DOPING:

- Over 30% of athletes participating in 2011 World Championships in Athletics admitted having used banned substances during their careers.
- According to a study commissioned by the World Anti-Doping Agency (WADA), actually 44% of them had used them.
- 2018 to 2021 Other research on elite sports: 40-50% doping users (estimated)
- **WADA: yearly blood- and urine samples: 1-2% positive**
- Conclusion: data partly estimated, the use of doping is widespread, but the number of detected cases is low.





FAI AND WADA



INTERNATIONAL
OLYMPIC
COMMITTEE

- FAI is recognised by International Olympic Committee (IOC)
- Subject to IOC Rules and Regulations: to organise competitions following the WADA principles
- Without this commitment, FAI sports and NACs: no official Government support and subsidies, no right to host FAI World Championships.



FAI ANTI-DOPING RULES

based on WADA'S Models of

Best Practice for International Federations

and the World Anti-Doping Code

Approved by FAI Executive Board on 14
October 2020 Takes effect on 1 January 2021



AIR SPORTS AND WADA

- *Is Doping an issue in air sports? YES!*
- Air sport pilots are “normal” athletes
- Every pilot has to respect the FAI - WADA rules
- Pilot’s health is very important
- Medication can be necessary for medical conditions, some on prohibited list
- TUEs may be applicable





DOPING VIOLATIONS

1. Presence of a Prohibited Substance or its Metabolites or Markers in an Athlete's Sample
2. (Attempted) Use of a Prohibited Substance or a Prohibited Method
3. Evading, Refusing or Failing to Submit to Sample Collection
4. Whereabouts – failures
5. (Attempted) Tampering with any Part of Doping Control by an Athlete or Other Person
6. Possession of a Prohibited Substance or Method by an Athlete or Athlete Support Person
7. (Attempted) Trafficking in any Prohibited Substance or Method by an Athlete or Other Person
8. (Attempted) Administration by an Athlete or Other Person to any Athlete In-Competition of any Prohibited Substance or Method
9. (Attempted) Complicity by an Athlete or Other Person
10. Prohibited Association by an Athlete or Other Person
11. Acts by an Athlete or Other Person to Discourage or Retaliate Against Reporting to Authorities

ROLE OF CIMP

- Granting TUEs
 - Full information of medical condition and treatment is necessary
 - Medical confidentiality is guaranteed
 - Administrative support by FAI Anti-Doping manager
- TUE-panel: 5 CIMP delegates, several medical background
- *Next webinars: more information on TUEs*
- Giving advise in individual cases on substances/methods
- Pointing out conflicts between WADA rules and flight safety





CIMP AND ANTI-DOPING

- Study of substances and methods in air sports (oxygen, cannabis, alcohol)
- Analysis of statistics on Anti-Doping in air sports
- Sharing knowledge in AD, in cooperation with FAI Anti-Doping manager
- Training and education





THANK YOU!



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