



- **Knowledge transfer: Reason + Importance of CIACA**
  - membership of CIACA – quantity - quality - importance
  - People + Money involved per unit - per nation - all over



## Fédération Aéronautique Internationale

Air Sports Commission Presidents Meeting Belgrade



**Air Sports Commission**  
**Technical Commission**  
**Experts Groups**  
 (Called in if necessary)

Commission Internationale des Aéronefs de Construction Amateur



We keep the flame going:

We construct prototypes

We build aircraft sets

We maintain our aircraft and preserve the jewels of our ancestors

We transfer the flame of aviation and educate our enthusiastic members

Commission Internationale des Aéronefs de Construction Amateur



Private Aircraft-Builders Constructeurs + Groups  
 + Experimental + Homebuilt +

They are our ancestors; driven by the flame of Visions:

Ikarus + Dädalus

Leonardo da Vinci

Wright Brothers

Santos Dumont

Father Gusmao

+\* Big inventors and heroes in aircraft history

~1900 they started to associate themselves -  
 In some countries they found acknowledgement!



## Evolution of Power sources

Air Movements, -Flows / Gliding

Human Power: e.g. Ikarus, Ornithopter

Engines:

Gasoline/Carburants of many kind

Electricity from: Water- + Wind-Generators, Nuclear.

Solar Electricity: Solar Impulse + Others!!

Hydrogene



## CIACA Worldwide

Experimental + Homebuilders 49 : 43 : 30



# CIACA Worldwide

Experimental + Homebuilders Nations **90 : 30**

- 
- Argentina
  - Iraq
  - Philippines
  - Armenia
  - Kazakhstan
  - Qatar
  - Azerbaijan
  - Kuwait
  - Romania
  - Bahrain
  - Lebanon
  - San Marino
  - Bosnia
  - Malaysia
  - Saudi Arabia
  - Slovenia
  - Bulgaria
  - Mali
  - Suriname
  - Taipei
  - Moldavia
  - Syria Arab.
  - Colombia
  - Monaco
  - Trinidad-Tobago
  - Cuba
  - Mongolie
  - Turkey
  - Ecuador
  - Monte Negro
  - Ukraine
  - Egypt
  - Marocco
  - United Arab Emir.
  - El Salvador
  - Mozambique
  - Uzbekistan
  - Estonia
  - Nepal
  - Venezuela
  - Greece
  - Pakistan
  - Iran
  - Palestine
  - Paraguay

# CIACA Worldwide

- Today: Worldwide aircraft homebuilders-communities
- CIACA-Organized: **Not yet CIACA:**
- 29 Countries **60 Countries**
- >100'000 Members **>150'000 Builders**
- We involve young people - we educate.

## Competition Objects:

Achievements of Targets with Homebuilt / Experimental Aircraft:

- New Technologies
- New Powersources
- Quality of Construction
- Beauty
- Complexity



Commission Internationales Aeronefs de Construction Amateur

## Competition: Homebuilt Aircraft

- 1 Existing National Competitions
- 2 Collect existing competition parameters
- 3 Communicate a General Code CIACA

Commission Internationales Aeronefs de Construction Amateur

## Education: Building an Aircraft

- 1<sup>st</sup> -Dream – Desire –Decision
- Buy Material – Equipment
- Aero-Dynamics
- Building Structure / Fuselage
- Engine-Installation
- Electrics – Electronics
- Hydraulics – Undercarriage
- Interior - Paint the Aircraft
- +Social education with cobuilders
- +Family consent - cooperation



3 2500 35'000



6 6000 160'000

**We involve young people.  
We keep the flame going + educate**



From  
Technical Commission  
To  
Air Sports Commission

Commission Internationale des Aeronefs de Construction Amateur