• **Chairman:** Bruno DELOR (2 years term)

• **Composition** *(according to CIAM General Rules A.7.2)*
  - 38 members (in addition to the Chairman) all from different countries and selected from the F9 Technical Experts nominated by NACs
  - Subcommittee members serve as individual expert consultants and are not obliged to represent the views of their NAC
  - List of the members of the Subcommittee published on the FAI website ([https://www.fai.org/page/ciam-subcommittees](https://www.fai.org/page/ciam-subcommittees))

• **38 countries represented in the Subcommittee**
  - **Africa** (2): ISR - RSA
  - **America** (3): BRA - CAN - USA
  - **Asia & Oceania** (7): AUS - CHN - TPE - HKG - JPN - KOR - THA

• **Use of Basecamp for the Subcommittee exchanges**
2019 Drone Racing World Cup

**Challenger Series** (23 events from 19 countries):
- Europe: BEL - BLR - BUL - ESP (2 events) - FIN (Indoor) - FRA - GBR - GER (2 events) - ITA - LAT - LTU - MKD (2 events) - POL - RUS - SUI
- Asia: HKG - JPN - KOR (2 events) - TPE

**Masters Series**
- Cancellation of the FAI North American Drone Masters in Hambourg, New York (USA) scheduled 10 & 11 August
- FAI Jeonju World Drone Masters in Jeju City (Korea) 1 to 3 November

2019 World Drone Racing Championship Grand Final
- Awarded to China for 3 years
- Hold in Ningbo 10 to 14 December 2019
- Participation: National teams + Individual competitors qualified from the 2019 World Cup results and ranking
- 111 competitors (including 44 juniors and 9 women) from 31 countries
### 2019 World Cup ranking

- **Podium:**
  1. Thomass PETERSONS - LAT
  2. SungJu PARK *(Junior)* - KOR
  3. Pawel LASZCZAK *(Junior)* - POL

- **5 Juniors in the top 10 places**
- **12 contests (on 23) won by a Junior**

### 2019 Drone Racing World Cup

<table>
<thead>
<tr>
<th></th>
<th>2016</th>
<th>2017</th>
<th>2018</th>
<th>2019</th>
<th>2020</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of contests</td>
<td>9</td>
<td>16</td>
<td>22</td>
<td>24</td>
<td>20</td>
</tr>
<tr>
<td>Number of organising countries</td>
<td>7</td>
<td>12</td>
<td>17</td>
<td>19</td>
<td>17</td>
</tr>
<tr>
<td>Number of registrations</td>
<td>327</td>
<td>575</td>
<td>1004</td>
<td>913</td>
<td></td>
</tr>
<tr>
<td>Average number of participants per contest</td>
<td>36</td>
<td>36</td>
<td>46</td>
<td>38</td>
<td></td>
</tr>
<tr>
<td>Number of competitors placed</td>
<td>229</td>
<td>434</td>
<td>669</td>
<td>566</td>
<td></td>
</tr>
<tr>
<td>Number of concerned countries</td>
<td>17</td>
<td>37</td>
<td>41</td>
<td>46</td>
<td></td>
</tr>
<tr>
<td>Number of juniors (under 18 years)</td>
<td>18</td>
<td>76</td>
<td>133</td>
<td>149</td>
<td></td>
</tr>
<tr>
<td>Ratio of juniors</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Number of concerned countries</td>
<td>4</td>
<td>18</td>
<td>23</td>
<td>28</td>
<td></td>
</tr>
<tr>
<td>Number of women</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Number of concerned countries</td>
<td>6</td>
<td>13</td>
<td>15</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Number of participants placed in:

- 9 contests: 1 place
- 8 contests: 1 place
- 7 contests: 1 place
- 6 contests: 1 place
- 5 contests: 1 place
- 4 contests: 1 place
- 3 contests: 1 place
- 2 contests: 1 place
- 1 contest: 1 place

<table>
<thead>
<tr>
<th>Contest</th>
<th>2016</th>
<th>2017</th>
<th>2018</th>
<th>2019</th>
<th>2020</th>
</tr>
</thead>
<tbody>
<tr>
<td>9</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>8</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>229</td>
<td>434</td>
<td>669</td>
<td>566</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
2020 situation & perspective for 2021

2020: A year off with COVID pandemic
- 20 Challenger Series events initially registered from 17 countries
- CIAM 1st April 2020 CIAM decision for CAT 2 events due to restrictions in place in almost all countries:
  - World Cup rankings and awards not applied for 2020
  - Initial suspension defined until 20 April extended until 31 May with possibility to hold after that date Open International Non World Cup
- No WDRC Grand Final hold end 2020 considering there will be no World cup and that all CIAM 2020 World Championships have been cancelled

Perspective for 2021
- Possibility to hold a F9U World Cup with a WDRC Grand Final end 2021
- Organization of International Drone Soccer (F9A class) tournaments
- Development of FAI Drone Racing e-competition
- Drone Racing demo in Asian Indoor and Martial Arts Games hold in May 2021 in Thailand
- 2021 World Games in Birmingham (USA) postponed to July 2022
Volume F9 Drone Sport (ex F3 Radio-Control Drone Racing) effective from 1\textsuperscript{st} January 2016

- Drone Racing World Cup rules
- F9A (Drone Soccer) rules
- F9U (RV Multi-rotor Drone Racing) rules

Content of the Volume not subject to Plenary Meeting approval regarding the provisional statute of the F9A and F9U classes

⇒ Content under direct control of CIAM Bureau with possibility to be updated at any time during the year

Releases (based on the feedback of the previous year)

- 15 March 2017
- 15 March 2018
- 1\textsuperscript{st} January 2019 with release 1\textsuperscript{st} May 2019 (introduction of F9A class)
- 1\textsuperscript{st} January 2020
**Edition 2020 main changes for F9A class** *(Chapter B)*:
- Subdivision in 2 subclasses: F9A-A (400 mm diameter) and F9A-B (200 mm diameter)
- 6S battery pack for F9A-A and 3S for F9A-B with a maximum voltage for each cell of 4.25 V *(B.1.2)*
- Mention how a penalty shot must be executed *(B.9.1)*

**Edition 2020 main changes for F9U class** *(Chapter B)*:
- Battery pack: maximum voltage for each cell limited to 4.25 V *(C.1.2)*
- Deletion of the interdiction to use a propeller protection *(C.1.3)*
- Limitation of the output power for 868 MHz / 915 MHz modules *(C.1.4)*
- When the double elimination sequence is not applied, possibility to consider 3 final flights instead 1 *(C.6.5)*
- Flexibility given for organization of the additional rounds *(C.6.6)*
- Modification of the composition of the races for the 1st elimination round *(Annexes C.2 to C.4)*
Evaluation of the F9 rules changes proposals

CIAM General Conference
- Initially scheduled 3 & 4 April 2020
- Finally replaced by an e-Plenary Meeting preceded by e-Technical Meetings

Proposals published on the Plenary Meeting Agenda regarding F9 classes
- Subcommittees have been requested to only consider the urgent proposals
- 4 proposals regarding F9 classes (all submitted by Germany)
- Evaluation of those proposals must be done in the e-Technical
- No comments received within the F9 Subcommittee on recommendations done by the Subcommittee Chairman (Basecamp post 16 September)
- Vote on all Sporting Code proposals scheduled 8 & 9 November