

ANNUAL REPORT OF THE CIAM SPACE MODELS SUBCOMMITTEE ACTIVITY FOR 2021

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CIAM Space Models Subcommittee (SM SC) was composed of 21 members in 2021, all from different countries from three continents. SM SC convene on a regularly basis, if possible once a year at the current Space World or European Championships. In addition to the current world situation, there was a very intensive correspondence on different Spacemodelling issues by email and other available online tools.

Due to the pandemic, the SM SC meeting was held in form of interactive meetings, forum chats and email exchange. All exchange was open to SM SC and Working Group (WG) members consisting of tech. experts, judges, and outstanding sportsmen. Discussed have over 60 people from 18 countries. The topics were: **1.** Current status of SM by countries; **2.** SC4 Volume S – proposals and voting for changes in the Sporting Code; **3.** Rocket motor unification and standardization; **4.** Unification of Cat. 1 and 2 documents and software for competition; **5.** Improvement of current competition logistics at Cat.1 and 2 competitions.

The most important sports, technical and organizational activities in 2021 were:

1) The postponed 2021 FAI World Championships for Space Models for Seniors and Juniors held in Buzau (Romania) from 2nd to 8th October 2021 were successfully organized. They were participated by a total of 18 countries (17 senior teams with 109 competitors and 12 junior teams with 66 competitors). The best overall team was team FASR (Russian Aeromodelling federation). The championships have shown that even trough the pandemic, Cat.1. competitions can be held by following hygiene and distance rules without losing the fun from competing.

2) SM World Cup was postponed to July 1st. From a total of 23 events registered by 12 countries on three continents (America, Asia and Europe), only two (Sirmium Cup, held in Sremska Mitrovica -Serbia and Yangel Cup, held in Dnipro - Ukraine) were held. Total number of sportsmen attending in all five World cup classes was 209. All other events were postponed to season 2022.

3) SM SC had also a very intensive activity to complete the revision of the SM rule proposals for the 2022 edition of the SC4 – Volume S. A total of 97 proposals from 10 countries were received and examined. At the Subcommittee meeting held online via emails and votes, all proposals were discussed, and the votes submitted to the CIAM Tech. Meeting, which was held via zoom. The higher number of proposals shows a high interest from the community, but also the need to improve the communication prior submitting the proposals as almost a half of them were submitted to identical points in the SC4.

4) The current Working Groups (WGs) in 10 fields (altitude models, time-duration, rocket-gliders, scale, motors, safety, logistics, new classes, software in competition and education) were working through the year to find best possible solutions for the SC4. Their main goal is to analyze the current Sporting Code, set standardized requirements to manufacturers and organizers and analyze possibilities how to improve the education of younger generations. Each WG consists of 5 members, the most experienced people in each field. The WGs were active with intense email communication between the members and the SM SC. The outputs from each WG helped the SM SC to decide on the adaptation of new rules for the 2022 SC4- Volumes S and General Rules, as mentioned in point 3).

5) The need for education of competent judges and other competition officials is in its starting phase. As started two years ago, an international teaching program for all levels of education is in the process. For this purpose, the "Guide" program, which successfully started with the education of Scale judges at selected Cat.2 competitions showed result and is expanded to other fields like Safety and competition logistics. A more intense training is planned for start of 2022 and later via zoom and on the field when competitions season on Cat 2. level starts.

6) The best placed modelers in the Space Models International Ranking (SMIR) were again awarded by the SM SC for the 2019 season. The awarding ceremony was held after the prize giving ceremony of the 2021 World Spacemodelling Championships in Buzau, Romania. The awards in form of Diplomas were donated by the Serbian Aeronautical Union. Awarded were best overall, senior, junior and female competitors. The SMIR represents a continuous classification based on the results of all open and limited international events, as well as continental and world championships and world cup contests. The intent of the SMIR classification is to encourage competitors to enjoy versatility of space models by flying more than one, traditional, class and to be awarded (in contrast to other SM competitions, where you are awarded always for one class) for efforts made in whole space models activity during the year.