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Hyperconnected simulation ecosystem supporting probabilistic design and predictive manufacturing of next generation aircraft structures

CAELESTIS

Deliverable D8.2
MAC Plan

Work Package 8
Dissemination, exploitation, communication, and collaboration

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16/11/2022	1	Initial draft. Requires input from consortium to ch. 7.3
28/11/2022	2	Updates made by RTDS to 7.1 (Invitation Letter). Ch. 7.3 input still pending.
19/12/2022	3	Additional inputs from the consortium for Ch 7.3 included

DECLARATION

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TABLE OF CONTENTS

LIST OF FIGURES

LIST OF TABLES

LIST OF ABBREVIATIONS

AB	Advisory Board
CA	Consortium Agreement
DEC	Dissemination, Exploitation and Communication
DET	Distributed Engineering Teams
DoA	Description of Action
D-SOP	Dissemination - Standard Operating Procedure(s)
ERA	European Research Area
E-SOP	Exploitation - Standard Operating Procedure(s)
FTO	Freedom To Operate
GA	Grant Agreement
HPC	High-Performance Computing
IP	Intellectual Property
IPR	Intellectual Property Rights
ISE	Interoperable Simulation Ecosystem
ITF	Innovation Task Force
KER	Key Exploitable Result
KPI	Key Performance Indicator(s)
M&S	Model & Simulation
MRO	Maintenance, Repair, Overhaul
NDA	Non-Disclosure Agreement
OCP	Original Component Producer
OER	Other Exploitable Result
OGV	Outlet Guide Vane
PSM	Protectable Subject Matter
RP	Reporting Period
RTO	Research & Technical Organisation
SDG	Sustainable Development Goal
SHM	Structural Health Monitoring
SOP	Standard Operating Procedure(s)
TRL	Technology Readiness Level
UQ&M	Uncertainty Quantification and Management
USP	Unique Selling Propositions
WP	Work Package(s)

1 PUBLISHABLE SUMMARY

This deliverable presents a plan and common guidelines for the CAELESTIS consortium to execute activities relevant to the Multi-Actor Approach to Collaboration (MAC) throughout the development of the project.

Within this plan, partners can find details regarding the MAC activities envisaged to take place throughout the course of CAELESTIS, wishing to draw upon the input and experience of experts from relevant industries, related Horizon Europe / Horizon 2020 Projects, and representatives of key stakeholders. This input will be sought into two thematic areas: i) technological areas (seeking to define requirements and needs for technical features of the virtual prototyping ecosystem), and ii) non-technological areas (regarding barriers/opportunities to usability, e.g., work processes, gendered workplace, etc.)

One of the key factors for securing successful input from MAC activities is in the creation of the CAELESTIS Network, a dedicated channel for coordinating and communicating MAC activities involving actors in relevant fields such as aviation, additive manufacturing, green transition, computer simulations, smart manufacturing, and more. The different actors in the consortium are requested to call upon their technical expertise and pre-existing networks to maximise the impact of MAC activities. Consortium partners will take responsibility for leading respective MAC activities, facilitating co-creation and knowledge sharing with members of the CAELESTIS Network through interactive means, including workshops, surveys, and interviews.

The project has identified ideal representatives to join the CAELESTIS Networks, able to provide useful inputs to the project, and qualified to receive the practical information that will produced during the project. Finally, an initial list of expected activities and interactions foreseen in each technical Work Package has been drafted and is included in this MAC Plan.