

## **Model-Based System and Software Engineering – Future directions**

### **PRELIMINARY WORKSHOP ANNOUNCEMENT**

Thursday 8 December 2016, ESA-ESTEC, Noordwijk

Workshop organisers: Andreas Jung, Maxime Perrotin, Marcel Verhoef

Model Based System and Software Engineering (MBSSE) is gaining more and more interest and momentum in the space domain, it therefore plays an important role in the current and future ESA R&D roadmap. As the results of several related TRP studies will be presented in detail during the TEC-ED/SW final presentation days on 6 and 7 December, we would like to invite you to participate to a follow-up workshop on December 8 to discuss the state of affairs. Moreover, we would like to share with you some experiences gained from actual MBSSE applications in on-going projects.

The need for continued interaction on this topic was clearly expressed by the attendees of last years' COMPASS workshop and hence we have taken the initiative to provide a follow-up, albeit with a wider scope. Apart from this community building aspect, the aim of this workshop is to:

- Share ESA's vision on MBSSE, with focus on COMPASS, TASTE and OSRA
- Showcase some experiences gained from MBSSE applications in on-going projects
- Discuss the potential alignment with other model-based technologies such as SysML and Arcadia
- Identify opportunities for further collaboration, harmonization and consolidation
- Identify next steps for technology exploitation and R&D

Inspired by last years' successful COMPASS workshop, the tentative programme will be:

- Opening at 9AM (Newton 2)
- Morning session with solicited presentations on the topics above. Note that these presentations will complement those from the final presentations on 6 and 7 December.
- Afternoon session with 10-min "elevator pitches" followed by an interactive brainstorming session (in small ad-hoc groups with plenary reporting)
- Close at 5PM

In case you are interested to make an "elevator pitch" please contact the workshop organisers. The final workshop programme will be announced beginning of October, via the ESA conference web-site <https://indico.esa.int/indico/event/161/> also with the ability to register for this workshop. Participation will be free of charge and presentations will be made available on-line after the workshop. The workshop results will also be used to update the ESA R&D roadmap.

We look forward to see you at the TEC-ED/SW final presentation days (6 and 7 December) and this annex workshop (8 December)!