



SAVOIR is DIGITIZING

2021: SAVOIR is PRODUCTIVE

2020: SAVOIR is INNOVATIVE

2019: SAVOIR is USEFUL

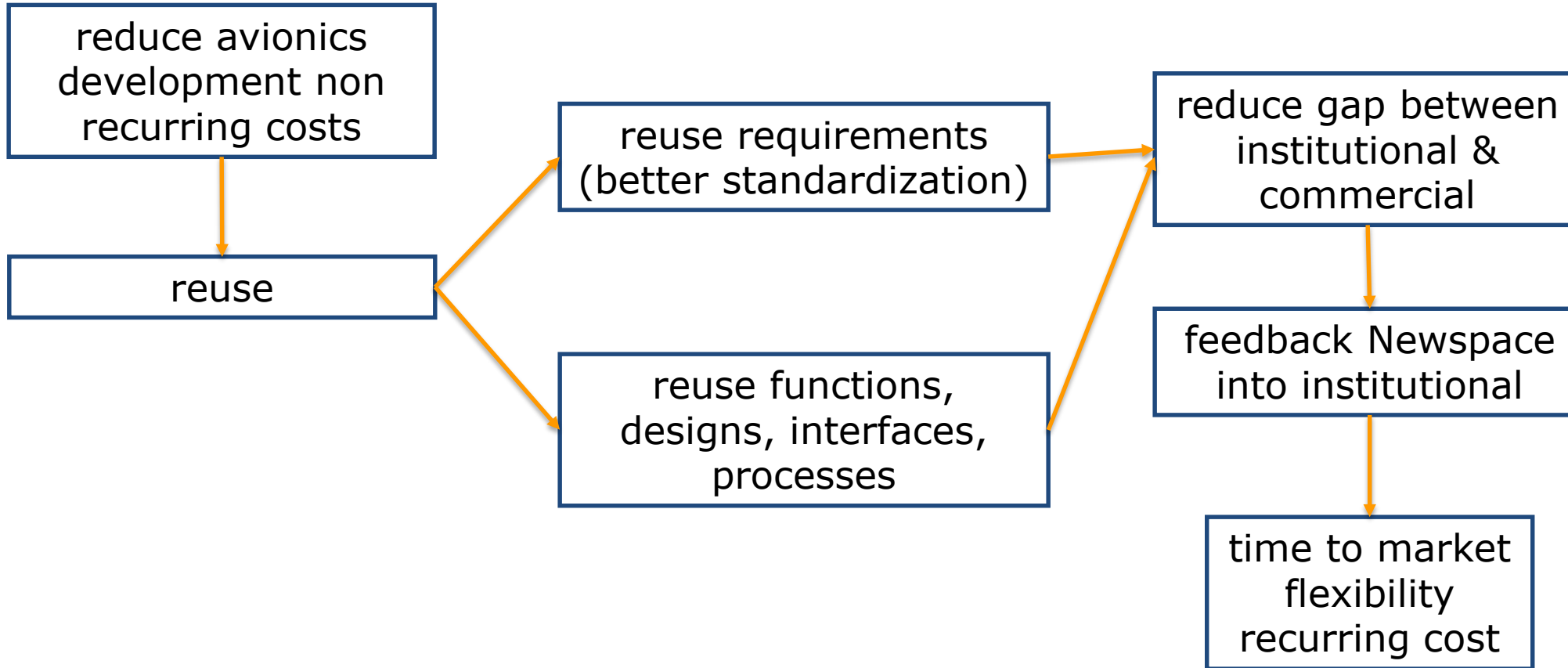
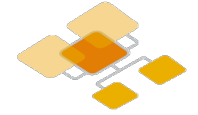
2018: SAVOIR is OPEN

2017: SAVOIR is GROWING

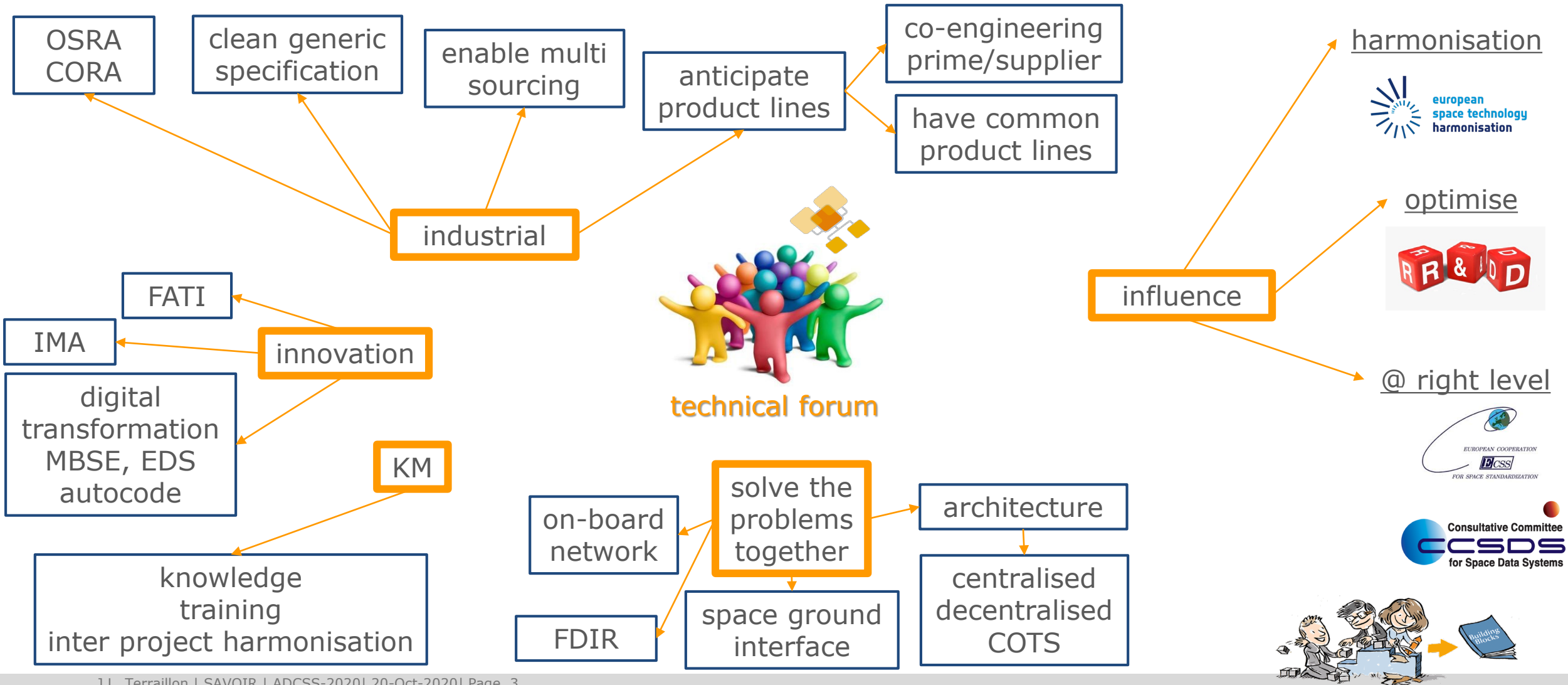
On behalf of the SAVOIR Advisory Group
Jean-Loup TERRAILLON – ESTEC/TEC-S
Lead Software Systems Engineer



Fundamentals of SAVOIR



SAVOIR is active :



Reusing Specification to favour product lines



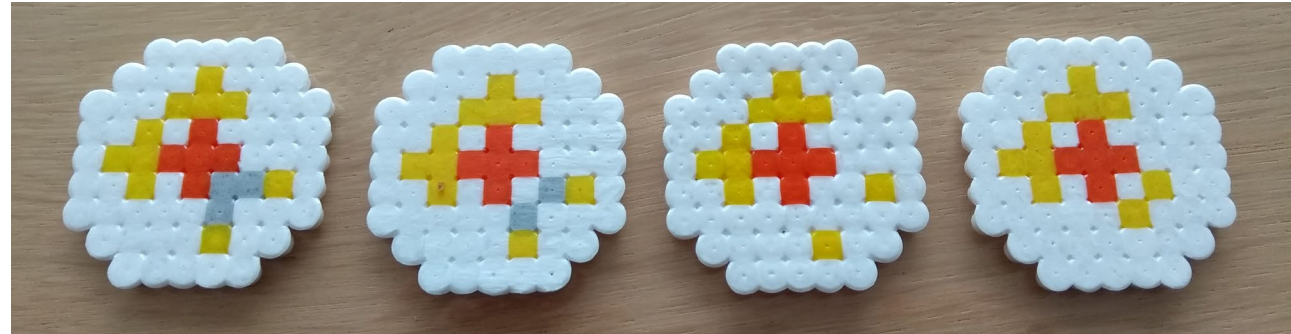
Space

AVionics

Open

Interface

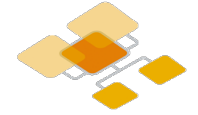
aRchitecture.



Credit Andreas Jung



SAVOIR Advisory Group: FEDERATE



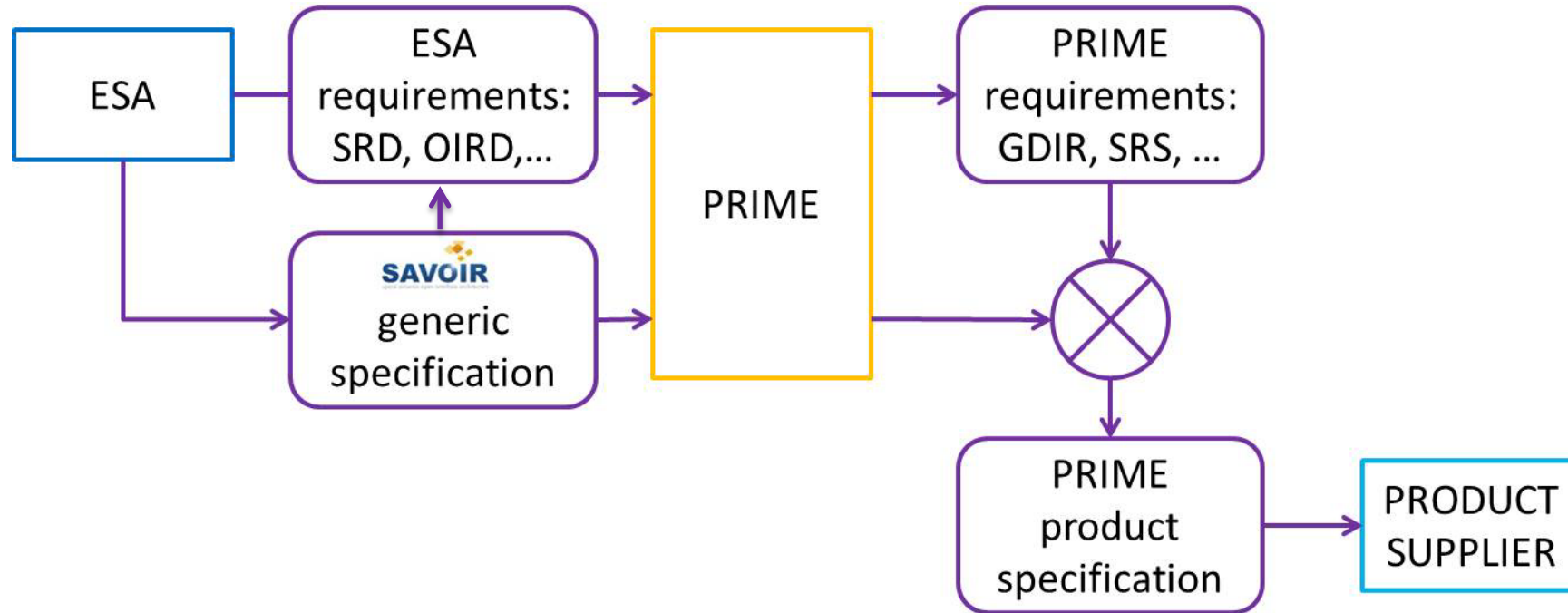
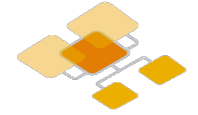
SAVOIR Output



- **reference avionics architecture**
- **interface specifications**
 - **generally ECSS CCSDS**
- **functional specification**
 - **customer SRD**
 - **product specification**
- **Knowledge**
 - **Handbook, training, processes**



Use of SAVOIR documents



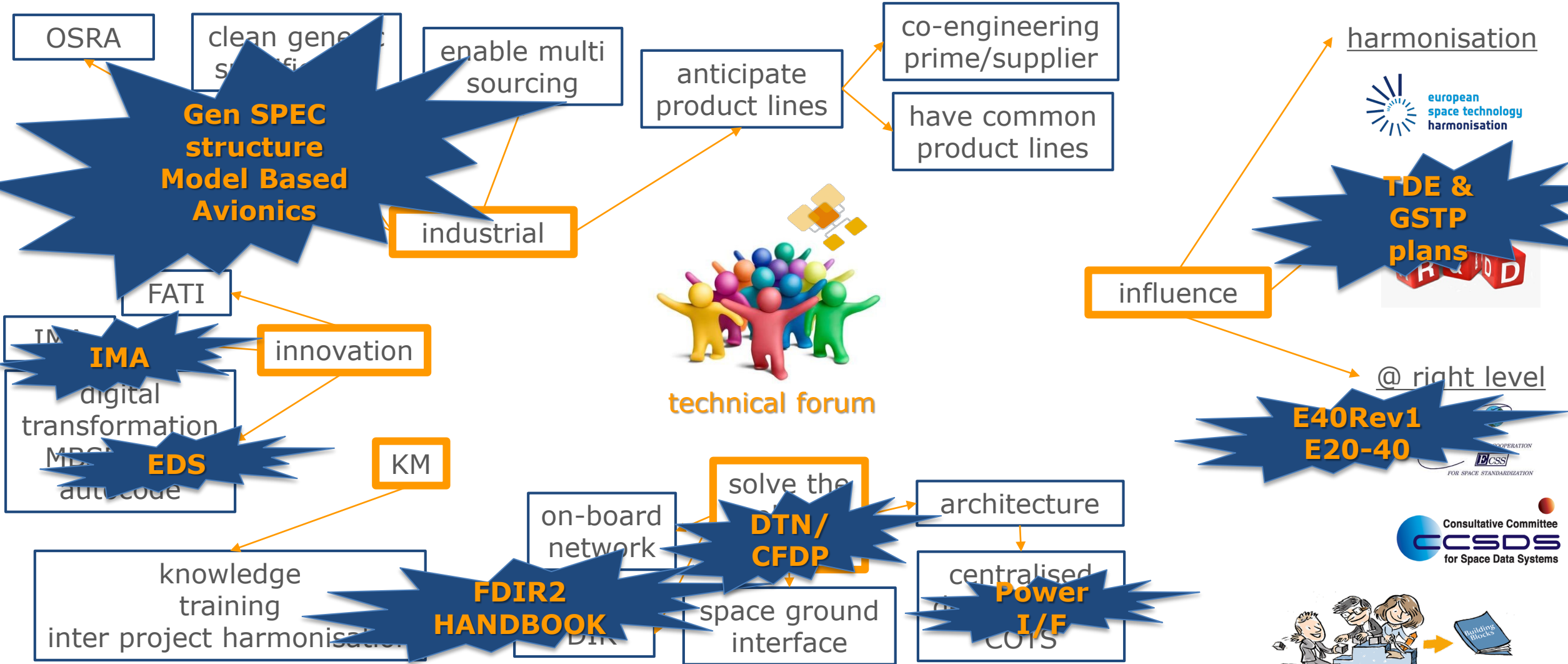


The list is intended to be up to date on:
<http://savoir.estec.esa.int>

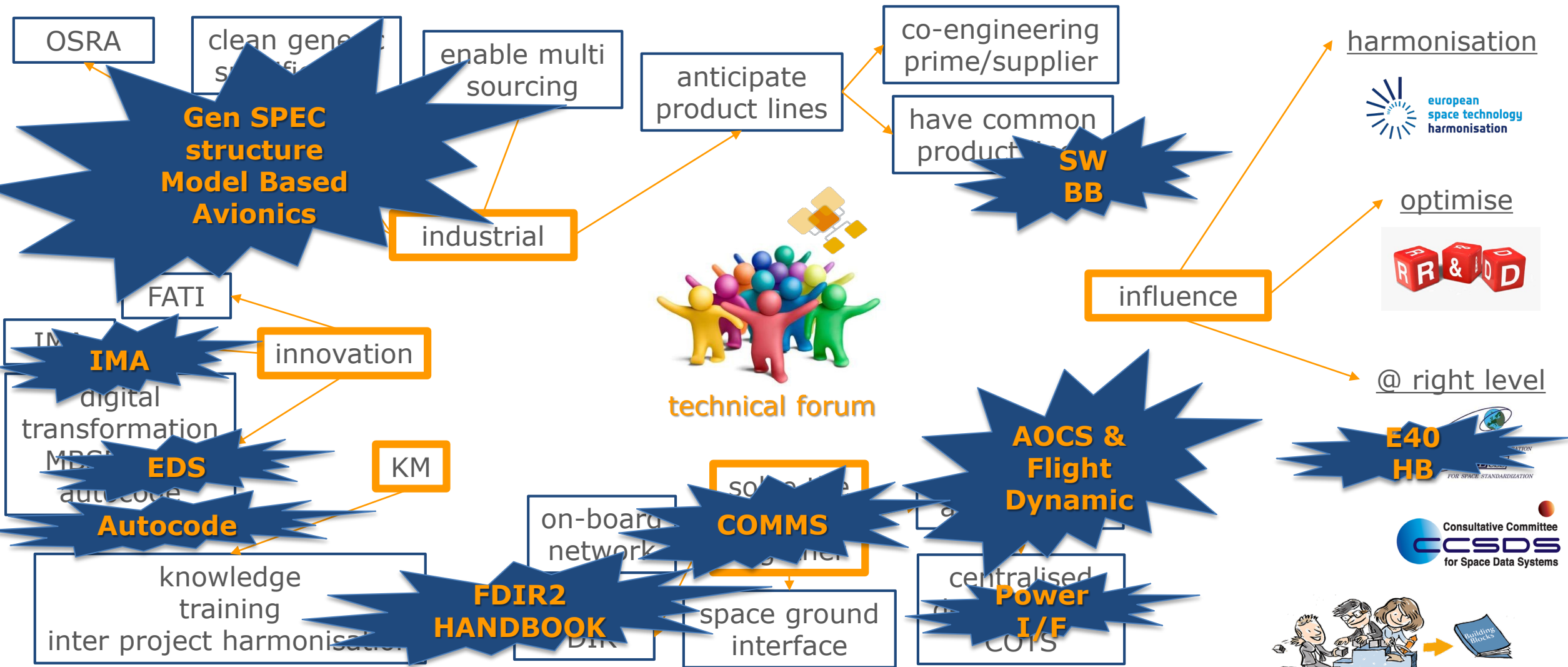
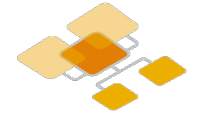
Available documents are released on the Esa Space
Software Repository
<http://essr.esa.int>



SAVOIR has been useful in 2022



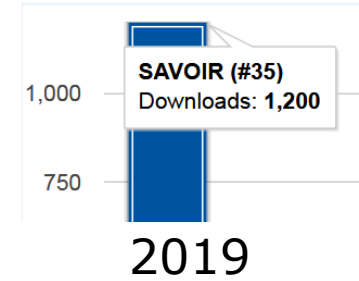
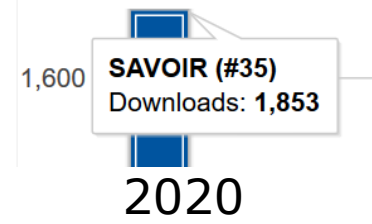
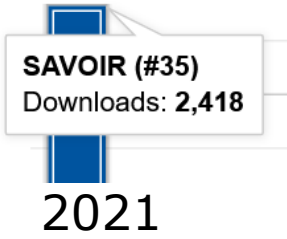
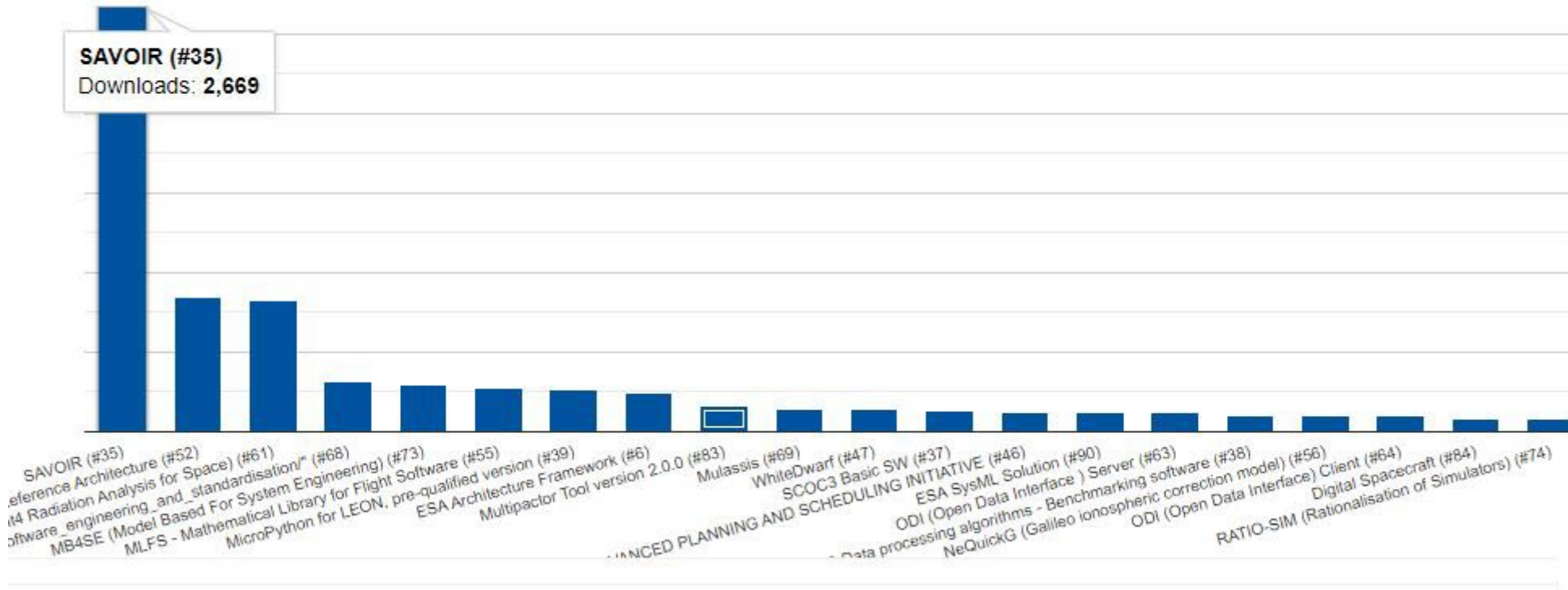
SAVOIR will be useful in 2023

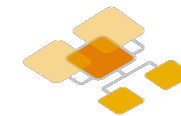


ESSR statistics 2022



Top 20 projects with most downloads, along with the number of downloads for each.
The figure stats (min, max, avg, total) refer only to the values represented in the graph.



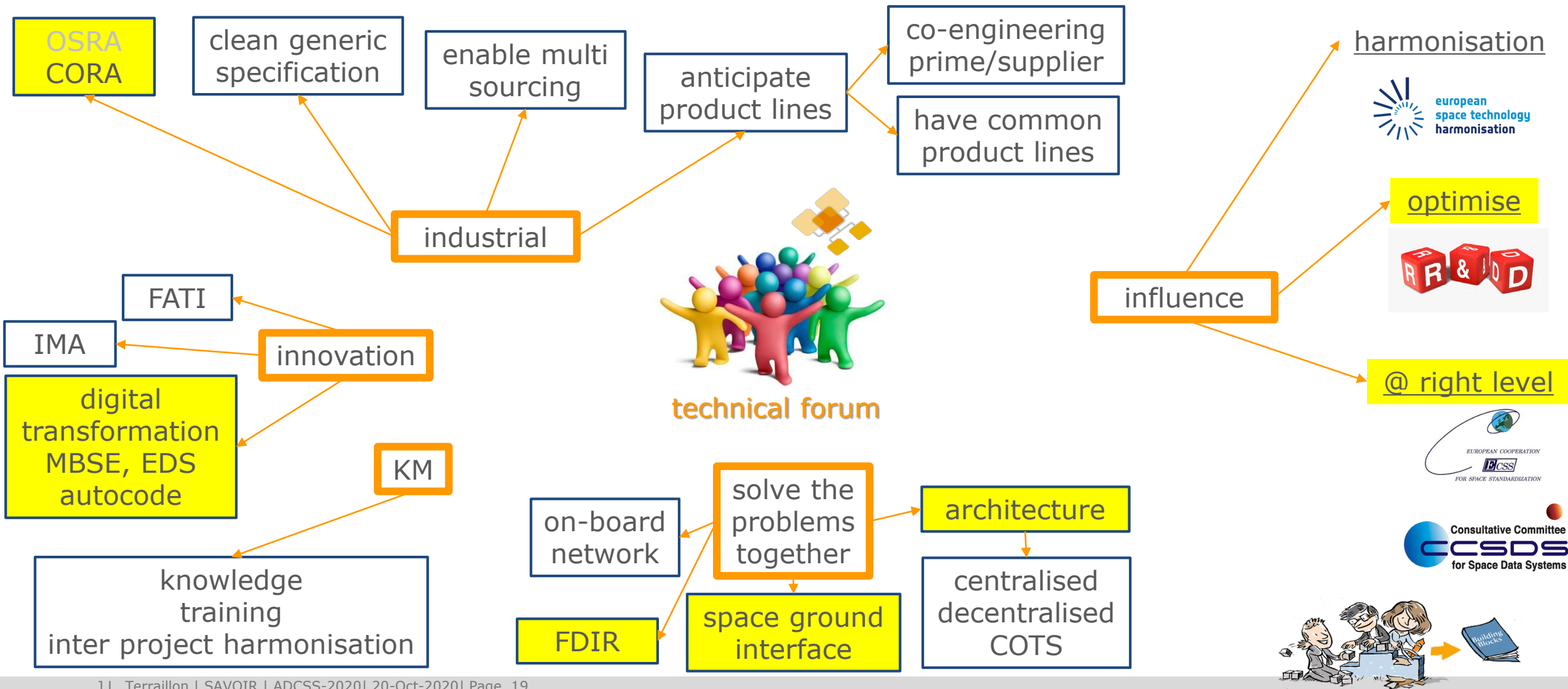


- SAVOIR is a continuous Harmonisation group
- producing specification, interface and guidelines
- to save cost and reduce problems with customers and partners
- to stabilize product lines
- open, useful, innovative, productive, and more & more digital...

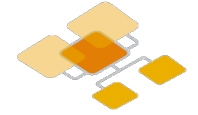
Feedback: savoir@esa.int



SAVOIR is active :



SAVOIR : Today



- 09:55 FDIR Handbook #2
 - 10:15 COMMS working group
 - 10:35 AUTOCODE working group
 - 10:55 Electronic Data She
- Coffee break
- 11:45 SAVOIR & Cubesats
 - 12:00 ECSS-E-ST-20-40
 - 12:20 ECSS-E-ST-40Rev1
 - 12:40 Competence Domain 3 Avionics
- Lunch break
- 14:00 SAVOIR architecture modelling
 - 14:30 Avionics-Power interface
 - 15:00 HW-SW co-engineering
- Coffee break
- 16:00 Mode Based Avionics
 - 17:20 EXHIBITION presentations



Contact



Feedback: savoir@esa.int
<http://savoir.estec.esa.int>
<http://essr.esa.int>



SAVOIR Advisory Group:

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- Joachim Fuchs – ESTEC/TEC-SW
- Ali Zadeh– ESTEC/TEC-ED
- Bénédicte Girouart– ESTEC/TEC-SA
- Andrea Accomazzo – ESOC/OPS-O
- Pascale Moro – CNES
- Frank Dannemann – DLR
- Rémi Roques – AirbusDefence&Space
- Orion Azzis – ThalesAleniaSpace
- Pamela Fröhner OHB
- Carsten Jørgensen – Terma
- Patrik Sandin – RUAG
- Damien PIOT– Sodern

