

Enabling Artificial Intelligence for Space System Applications - AISSA

16/10/2024

AISSA - Overview



Enabling Artificial Intelligence for Space System Applications is a new topic for Harmonisation. This will be the 1st time the topic is addressed.

Competence domain	Title	2025 Revisit	Book captain
CD9	Enabling Artificial Intelligence for Space System Applications	New	Christophe Honvault Inter-Directorate Working Group

AISSA - Rationale & Scope





The increasing relevance and application of AI technology in space system highlights the importance of a harmonization process.



All can be used in extremely diverse applications in all domains of space system developments.



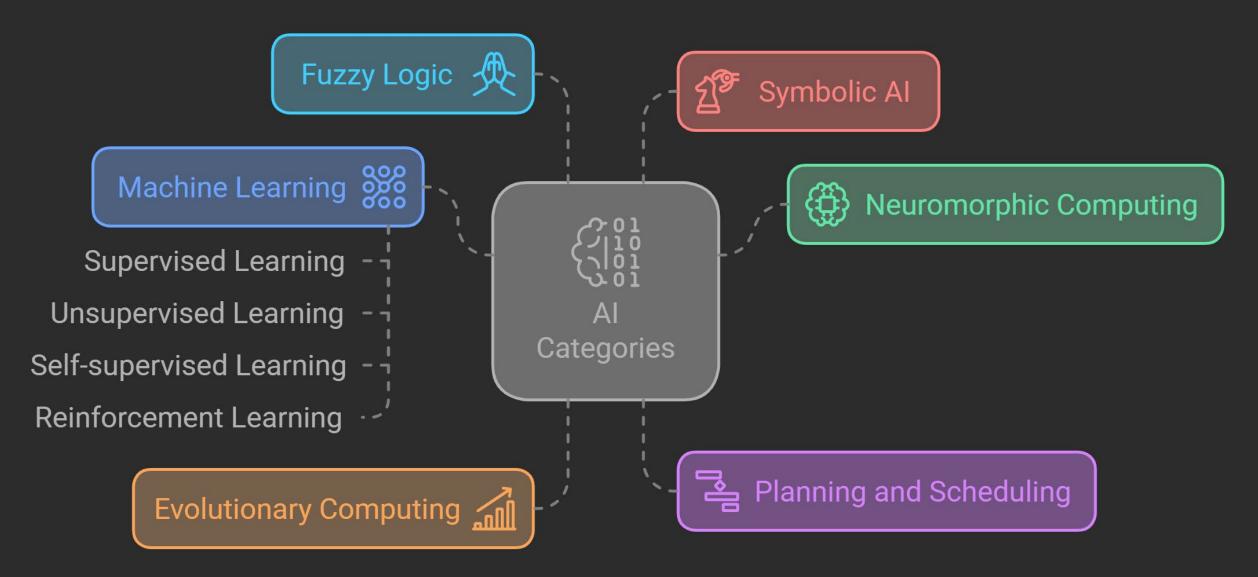
All can help the European space industry to improve space systems developments, enable new missions or reduce cost of operations.



This dossier aims at harmonising the development of AI techniques and technologies in view of their application to the different domains of space systems.

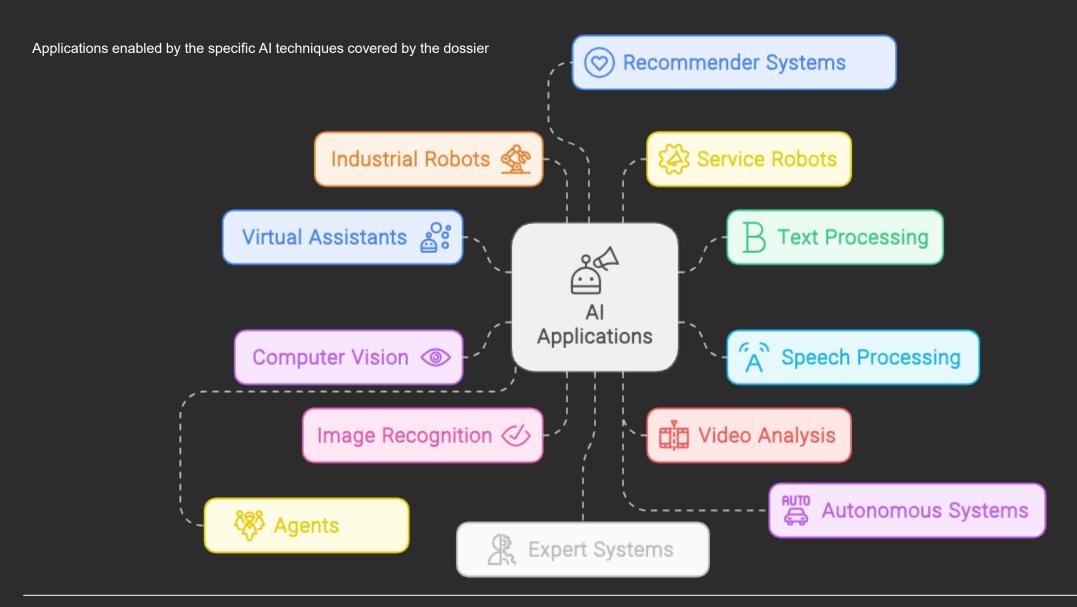
AISSA- AI Techniques





AISSA- AI Applications





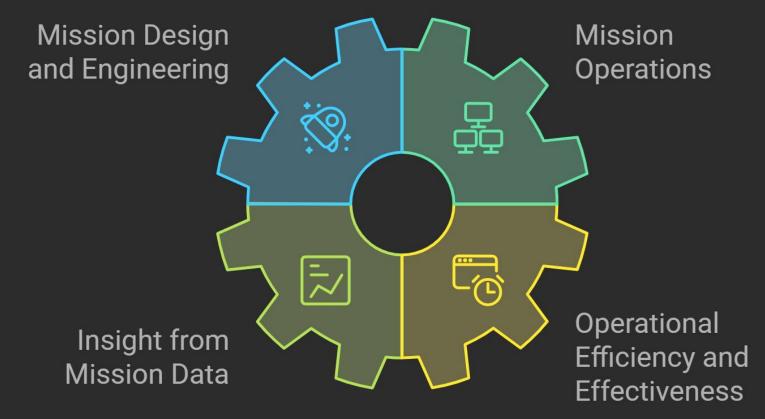
AISSA- Areas covered



Areas

Leverage AI technologies to enhance the design, and development of space missions

Al to improve the efficiency and effectiveness of operations, enabling autonomy

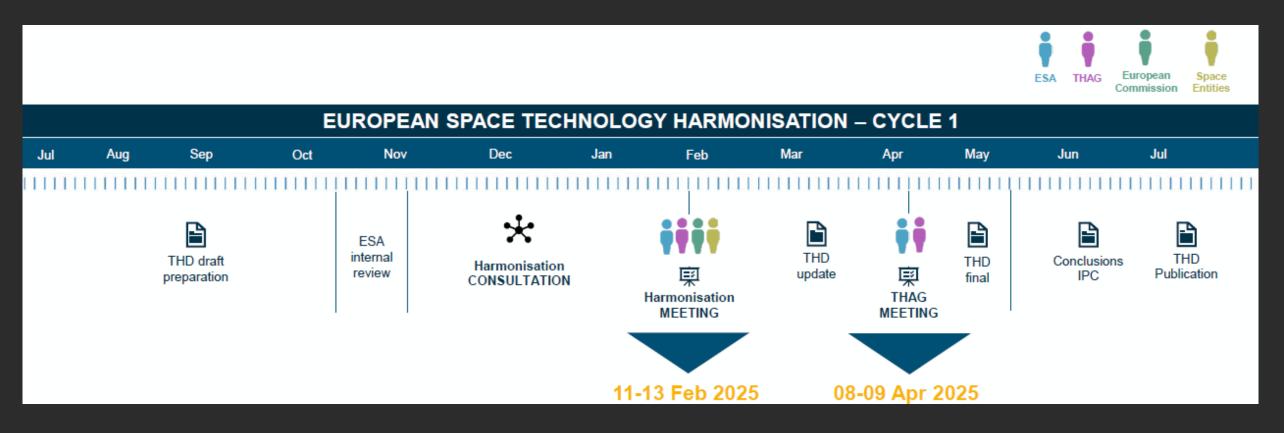


Al to extract insights and knowledge from the vast amounts of data generated by space missions

Al to provide assistance, automate processes and facilitate collaboration and knowledge sharing

Harmonisation Overview - Timeline





Thank you.



