

NONTOR

A system of systems approach to Aviation Impact Assessment

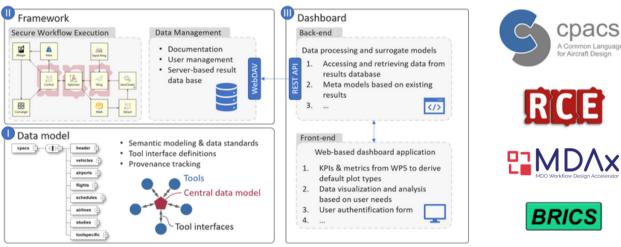
≌íĭí

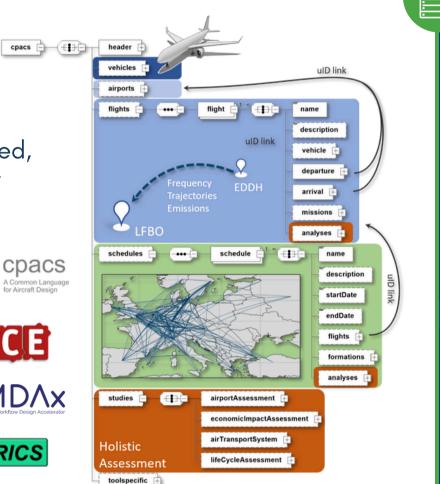


COLLABORATIVE IMPACT ASSESSMENT FRAMEWORK & TOOLBOX

Definition of requirements for the key steps in performing holistic impact assessments and monitoring of European R&I in aviation, providing guidance, tips and best practices.

Establishment of a scalable, open source, distributed, multidisciplinary, modular, and model-independent collaborative assessment framework.

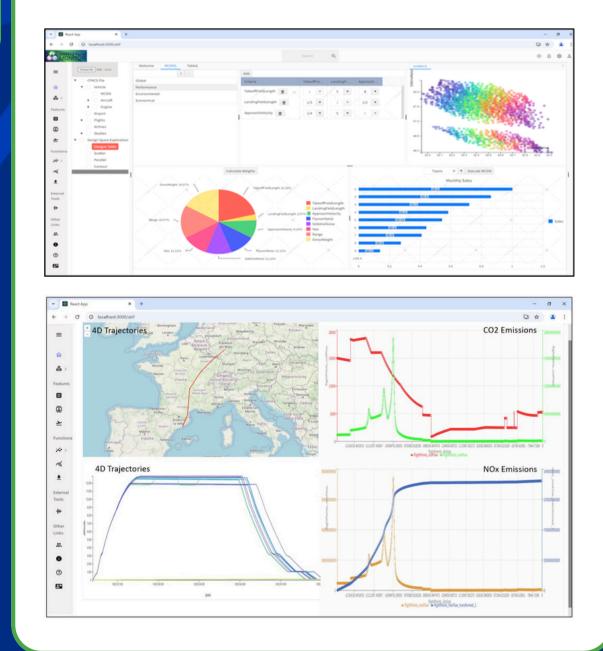




DASHBOARD APPLICATION

Design of a novel web-based, multi-layered environment for analyzing and visualizing data from simulation workflows. It enables comprehensive analysis at various levels and supports what-if scenarios and trade-off studies.

- Interactive Design Space Exploration
- Advanced Visualization Capabilities
- Comprehensive Trade-Off Studies

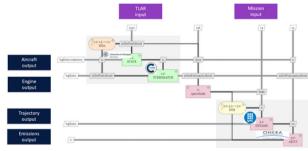


MULTI-LEVEL, DEMONSTRATION USE CASES

Development of three example Use Cases (UCs) that aim to demonstrate the capability of the Impact Monitor framework on one or more assessment levels, with results accessible though the Impact Monitor Dashboard Application.

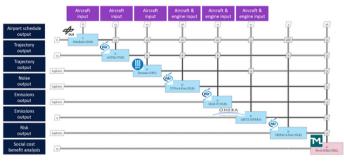


UC1 – Advanced **Propulsion System**



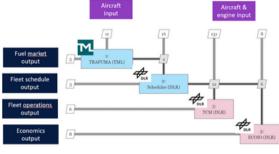
Investigate the viability and competitiveness of future SAF fuelled long range aircraft concepts





Investigate the implementation of continuous descent operations at airports





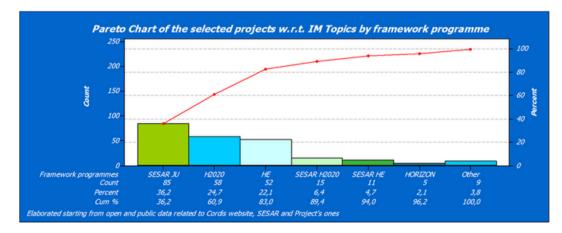
Analysis of SAF policies at the air transport system level



through design studies

INTERFACES WITH KEY STAKEHOLDERS

Identification of relevant R&I initiatives and stakeholder communication needs, creation of a comprehensive R&I projects dataset, and fostering stakeholder involvement.



Connect with us

design studies



www.impactmonitor.eu

fuel combinations



Funded by

Funded by the European Union under GA No. 101097011.

Views and opinions expressed are however those of the author(s) only and not necessarily reflect those of the European Union or CINEA. Neither the European Union nor CINEA can be held responsible for them. the European Union

Coordinated by **V**_{DLR} the German Aerospace Center

