Public
Summary

Annex A: Public summary

In task 5.2 the requirements for the NAVAIS working environment are addressed and translated into a specification of the working environment. Since there was no common starting point available within the project partner DS proposed to use an existing solution that was developed for partner DSNS as basis and based on that continue to define the NAVAIS environment.

The following topics were addressed in the requirements:

- Detailed use cases on how specific tasks are to be solved in the NAVAIS working environment
- Infrastructure requirements, i.e. number of users, hardware and security constraints etc

Furthermore, the description of work defines that information exchange needs to be investigated between the DS 3DExperience® platform and external tools, such as partner BV developed SEECAT for energy flow analysis. In addition, it is investigated in how far the existing production simulation software at partner DSGo, i.e. Technomatix by Siemens, can be integrated in the DS platform.

One of the main challenges partner DS foresaw was the unfamiliarity of the consortium partners with the 3DExperience platform and therefore an on-the-cloud enablement environment was developed to allow user to familiarise themselves with the DS platform concepts prior to the installation of the final on premise NAVAIS working environment by partner DSGo.

Currently the official NAVAIS working environment deployment is under work at partner DSGo and is scheduled to be available for the consortium at June 2020. DS will provide all required licenses for all the NAVAIS users based on the roles already defined for the 3DEXPERIENCE OC enablement environment. After that the enablement environment will become obsolete but it has served the purpose of familiarisation.

In the meantime partner BV agreed to redevelop their SEECAT BV tool on the platform using the same Modelica library V3.2.2, an open standard native to the DS platform. Thus, the exchange are 100% compliant using "mo" or "moe" (encrypted) file format. About Tecnomatix, there is no DS R&D strategy to support this competitor file format. Therefore, DS propose to recreate data in the 3DEXPERIENCE platform thanks to the applications identified in T5.5.

Name of responsible partner: Daussault Systèmes
Name of responsible person: Richard Audoire
Contact info (e-mail address etc.): richard.audoire@3ds.com