Using innovation to provide solutions based on INSPIRE and Copernicus data set.

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Abstract

In a world that is increasingly mobile, interconnected and interdependent, the security of people and goods, infrastructure and nations depends on leaders and organisations and their ability to decide and act driven by the information. Copernicus as a program is providing accurate, timely and easily accessible information to, among other things, improve the management of the environment, understand and mitigate the effects of climate change, and ensure civil security. Mastering data is a prerequisite for sustainable development aerospace, space, ground transportation, security and defence – play a vital role in our societies and economies. Thales role is to assist leaders in making these decisions by providing tools and technologies they need to gather, process and distribute information, helping them to understand complex situations so they can decide and act in a timely fashion and obtain the best outcomes.

Thales invest on strong research activity in new technologies with : • Theresis (Thales research lab) developing the expertise in image&video processing, machine learning, cloud computing & security • contributions to several European research projects on Big Data topics, • through French research technological institute – IRT Saint Exupery (Institut of Technology) – dedicated to the aerospace domain with contributions around DevOps environments for data scientists in cloud environment. Latest innovations participating to the digitalization of the environment with Big Data and IoT offer many possibilities but also bring a row of legal concerns up. Thales team is answering to Copernicus Program, with a challenging trade-off between INSPIRE compliant technology and operational computing intensive and innovating solutions. Together, we innovate with customers and communities to build smarter solutions, everywhere.

Categories

Topic Area: *[2.3] Technologies and tools to support implementing, using and assessing the technical implementation of INSPIRE*

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