MINDS

Mission & Image Neuronal Deep networks for Satellite.

Objectives : Help operators and integrators of space observation systems to remain competitive thanks to artificial intelligence.

Avec Thales Alenia Space, Thales Services, Reuniwatt

2.2 M€　　　**36 months**　　　**4.5 ETP/an**

1 thèse

Responsive mission planning

Optimized resource consumption, increased responsiveness to weather conditions, reduced coverage times, multi-mission management and scaling for constellations.

Multi-agent systems & learning by reinforcement. Scalable and scalable software platform

Exploitation of observations

Produce a dense representation of information from data, little or no learning, combined use of image and text.

De-interlacing representations, attention mechanism, semantic encoding and bi-modality of text and image