

## **Salto project team**

Eric Hallot obtained a Master degree in Physical Geography from the University of Liège. He obtained a PhD thesis on "rivers courses typology and watershed management" in the framework of the implementation of the DCE. He did postdoctoral research at the Canadian Fluvial Dynamics Research Chair (University of Montreal), granted by the Nature and Technology Research Fund of Quebec, on integrated watershed management. He was lecturer at the Department of Geography of ULiege during 7 years. He is currently manager of the ISSeP Remote Sensing and Geodata unit that works on models of environmental risks, dasymmetric modeling, land use and land cover change and integration of artificial intelligence into environmental monitoring tools ([www.issep.be](http://www.issep.be)). The Scientific Institute of Public Services is a research centre specialised in environmental monitoring in Wallonia, risk and nuisance prevention as well as research and technological development.

The SALTO project team also includes an academic and a private partner.

The UCLouvain is partner to SALTO through the Pixels and Interactions Lab ([www.pilab.be](http://www.pilab.be)) led by Prof. Benoit Macq (IEEE Fellow, Member of the Royal Academy of Sciences). The PILAB laboratory at UCLouvain has more than 30 years of experience in image compression. He was a contributor to the JPEG-2000 standard, in particular through his skills in multiresolution representation. The laboratory has already developed applications for navigation in mega-satellite images has been carrying out research in the field of active learning since 2005, initially with applications in video surveillance. Among this current research, Pilab is developing optimized sampling methods in particular by reinforcement learning.

Oscars s.a. provides GIS & IT services starting in 2007. Oscars and his CEO, Olivier Dubois, have built references in multiple sectors around GIS Interoperability, data management, and IT software management, from dev to production. Based on these different projects, Oscars implemented a product suite called GIP (Geo-Intelligent-Platform) that allows it to collect, transform & enrich real time data feeds to provide "Operational & situational decisions" for airport & logistic centres. Oscars is internationally recognised as specialists in the field of GIS & real-time data management. From the last 4 years, it invested a lot in R&D programs around those technologies, and improved our AI/ML team.