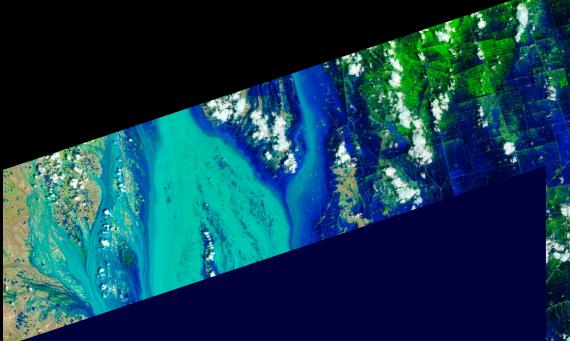# RSS-Hydro

"Tech in Action"

WHAT WE DO

RSS-Hydro specialises in **geospatial and modelling intelligence** to help manage **climate risks**. Our expertise encompasses flood modeling, Earth observation, and applied research and development (R&D).

ABOUT US

Our **international team** is united by a shared mission: addressing global challenges posed by natural disasters with innovative solutions.

We specialize in **flood modeling and earth observation**, delivering tailored approaches that create lasting positive impacts on communities and ecosystems worldwide.

PRODUCTS & SERVICES

FloodSENS

Machine learning algorithm designed to provide **realistic representations** of flood events **based on EO imagery**

FireSENS

Integrates **Fire Radiative Power data** with **geographic information** to identify populations and assets exposed to wildfire

HydroSENS

Generates **soil runoff volumes, moisture and evapotranspiration** outputs from **satellite imagery**, delivering precise insights into vegetation and runoff alterations

SafeCity®

Urban flood modeling to help engineers, architects, and municipalities **reduce exposure to urban flooding**

CONTACT US

info@rss-hydro.lu

www.rsshydro.lu

51 rue de Noertzange
L-3670 Kayl, Luxembourg