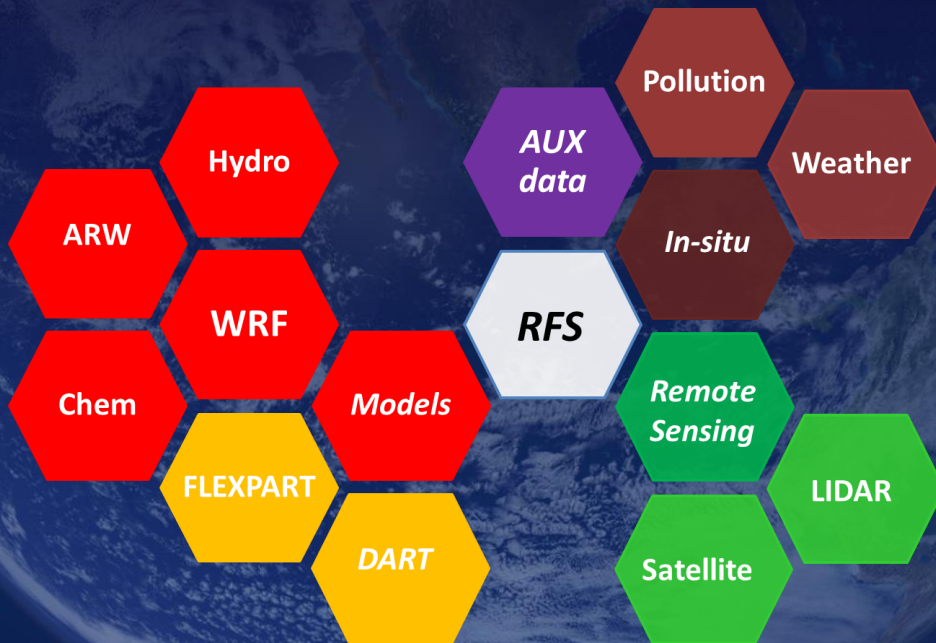


Numerical Modelling



Deployment of Appropriate Models to cover large number of needs

- Weather Forecasting tailored to customer needs
- Agrometeorology
- Wind and Solar power prediction
- Early warning for hydro-meteorological hazards
- Gas and Particle dispersion
- Early warning for hydro-meteorological hazards and air pollution
- Air Quality monitoring and forecasting
- Nowcasting
- Ship routing
- Climate change

- Raymetrics has developed its own modeling system, namely the RFS (Raymetrics integrated Forecasting System)
- RFS utilizes state-of-the-art modeling systems in conjunction with actual data from many sources like LiDAR systems, in-situ stations, satellite data as well as any data provided by the user.



Weather
forecasting



Early Warning

Numerical Modelling

- The Raymetrics integrated Forecasting System has been developed in order to take advantage of the company`s expertise in remote sensing and in-situ measurements and combine them with state-of-the-art numerical modelling systems
- The system contains proprietary algorithms to integrate all available data streams and numerical models and provide optimal estimates of the atmospheric state
- Depending on the application, RFS components can be added or removed
- Due to its modular nature RFS can be used in a great number of applications at various scales (synoptic to local) depending on customer needs
- Being an innovative tool itself RFS can also be used to support scientific proposals and projects in the following fields: Radiative impacts of natural/anthropogenic particles, air-sea interactions, health impacts, severe weather formation, climate change etc.
- RFS has been designed to be highly flexible and customizable, in order to meet all the demands of an ever-growing customer base