brAInt
imagery intelligence platform

The flexible, modular SAT-IMINT workflow platform

brAInt is the e-GEOS platform specifically developed **to guide and support analysts through every stage of the IMINT cycle**, reducing the complexity behind end-to-end remote sensing data exploitation, so operators can focus on the activities that matter. **The core of the brAInt platform is the workflow management system**, which orchestrates manual task assignation and automatic task execution. The platform is supplied with a standard set of end-to-end IMINT workflows for target analysis, monitoring, discovery, damage assessment and mission planning, which can be tailored to the individual needs of the end user. **brAInt features operational sw components**, which have been specifically designed to support IMINT Analysts during every critical stage of the entire IMINT cycle:

- **Collector** – Assisted RFI-driven data collection plan generation
- **Producer** – Automatic Analysis Ready Data generation
- **Analyst** – Supported IMINT analysis and report generation.

Thanks to the automation of the various management tasks, the definition of clear data collection plans, and value-added product generation, **brAInt reduces turnaround times, increasing the efficiency of IMINT activities**. **Modularity** is one of the fundamental pillars of brAInt, which is why it has been designed to easily integrate with external software components (e.g., COTS or proprietary software). Furthermore, the **flexibility** of the platform guarantees that the IMINT workflows can be easily adapted to user-specific requirements. **Data**, products and activity logs, provide the user with complete traceability supporting data mining and process optimisation capabilities.

USERS

INTELLIGENCE & DEFENCE INSTITUTIONS	BUSINESS INTELLIGENCE USERS	CUT OWNER

CAPABILITIES

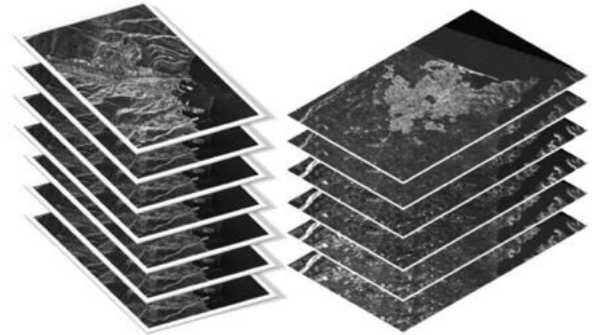| OFF-LINE	AUTOMATION	MODULARITY
FLEXIBILITY	PERSISTENCY	MULTI-SOURCE

braaS (brAInt As A Service)

brAInt products, **generated by trained and experienced e-GEOS specialists**, can be provided as a service to support decision-makers and IMINT Analysts.

SAR ANALYSIS READY PRODUCTS

This class of products is made available for SAR processing experts, who wish to carry on the analysis by themselves. It represents a bulk of pre-processed products based on **standard procedures**, including **calibration**, **co-registration**, **coherence derivation**, **geocoding**. Since the main benefit from SAR data is the capability to provide long, persistent and reliable time series, these products are organized as time wise stacks, covering a certain time interval with a sampling frequency defined by the acquisition times of the data composing the series.
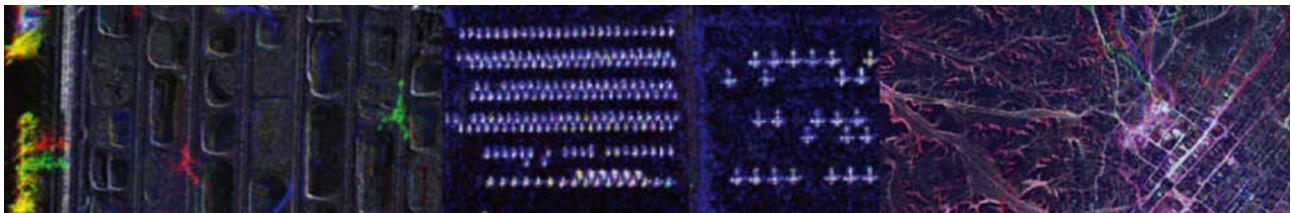

SAR PRODUCTS FOR ANALYSTS

This class of products encompasses a number of "GIS-ready" RGB images, derived from the **Analysis Ready products**, ready to be used by expert photo-interpreters and image analysts. Interpretation can lead to the definition and measurement of "activity", **based on Amplitude Changes**, **Coherence** and **combinations of the two**.

SAR ANALYTICS PRODUCTS

"Service ready" information extracted, in an automated or supervised way, from SAR Data and Analysis Ready products. These products are generated on specific areas upon customer request. **The products can be raster, vector maps or even measurements** to be used, as an example, also to feed external platform involved on monitoring services.

IMINT REPORT

Report products generated by e-GEOS trained and experienced team of analysts executing brAInt platform workflows (Target Analysis, Monitoring, Discovery, Damage Assessment and Planning) with the support, if requested, of IMINT specialists. Reports can be delivered as Map, Information or Measurement.

The very core of e-GEOS **IMINT training** is contributing to the establishment of an autonomous operational capability in the geo-spatial intelligence domain through a hands-on training truly based on realistic "Request for Information (RFI)". More information on www.e-geos.it

brAInt PLATFORM

brAInt can be deployed at the **User premises both in off-line and on-line environments**. brAInt operational components can be provided also as stand-alone modules. **e-GEOS provides configuration/customization**, operational training service, operational support and maintenance.

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