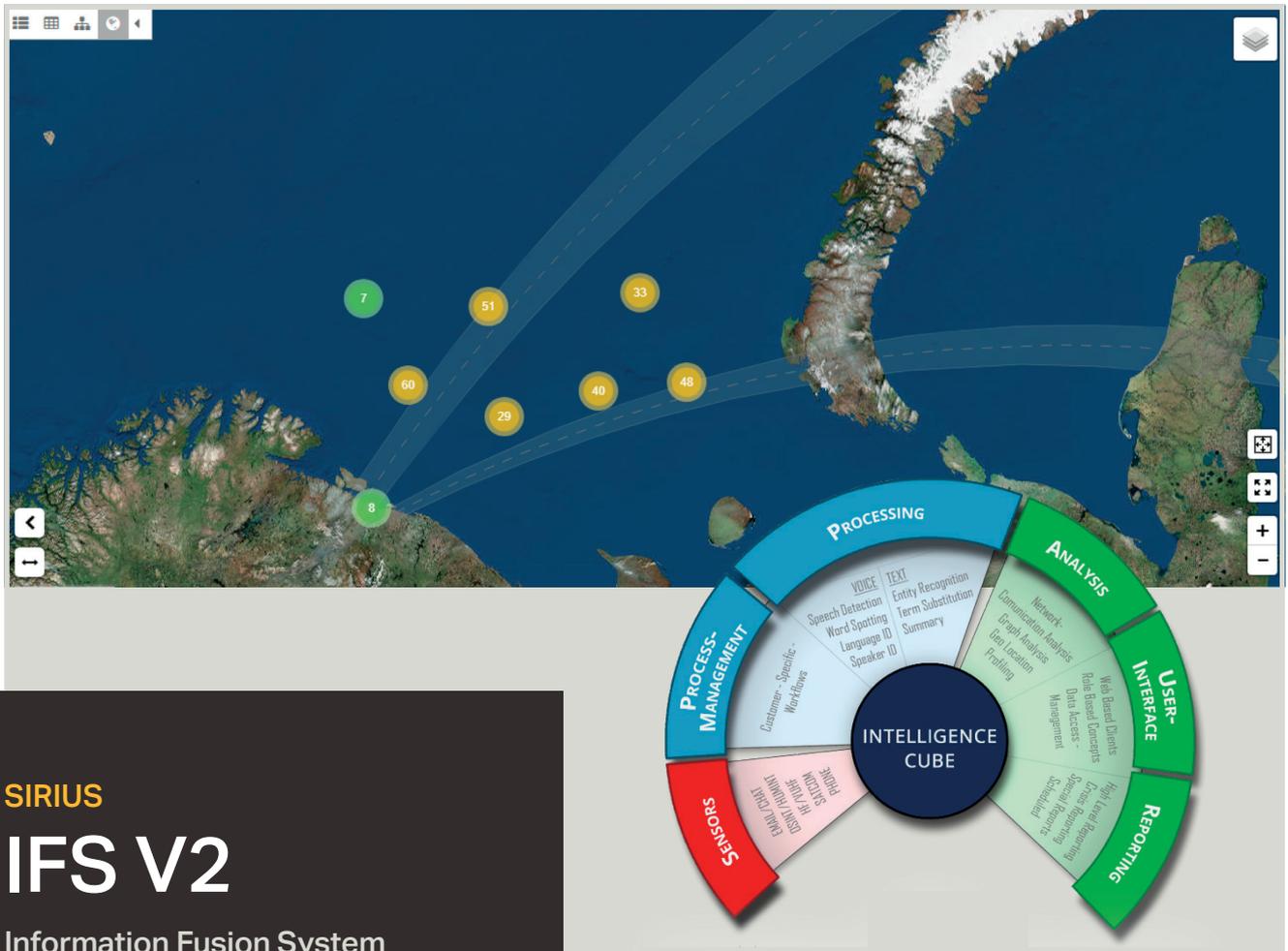




# SAAB



## SIRIUS IFS V2 Information Fusion System

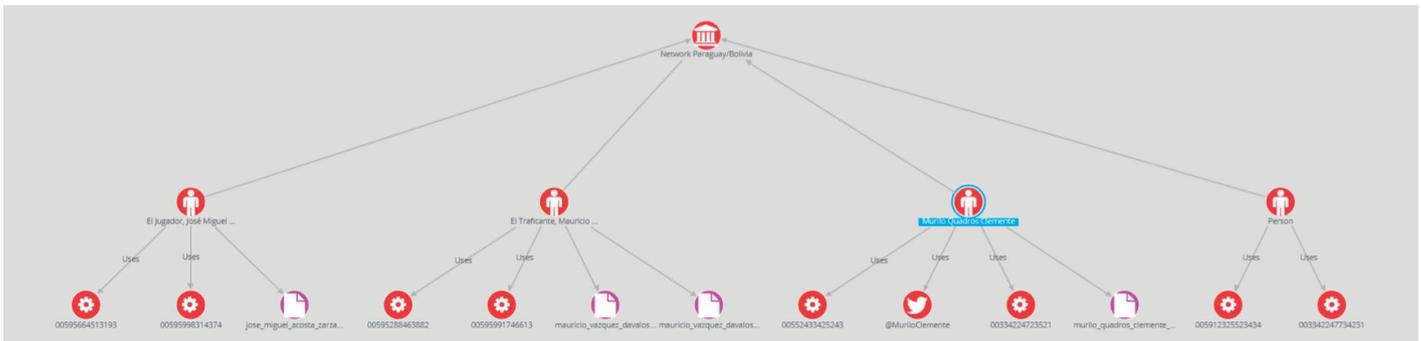
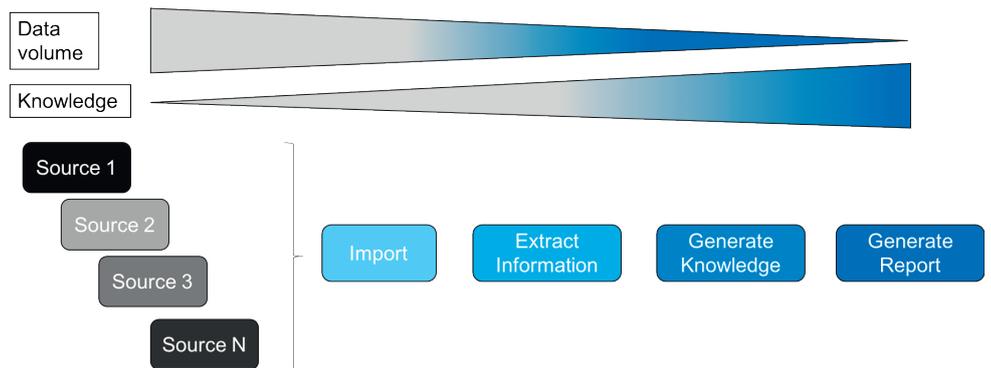
**The IFS V2 system** is a flexible, scalable and modular IT system to support the processes of aggregation of information from intercepts to intelligence reports. Embedding of commercial standard solutions for processing and analysis of contents is optionally possible and provided.

Several steps of checking and processing the information are defined and performed, finally resulting in an intelligence report. The information itself shall be provided in time, to the right person and tailored to the requirements of the respective analyst.

### Main features

- Acquisition of information from different external sensors by usage of a generic data importer
- Unified data model for data from different sources and storage of information in one unified data base
- Possibility to synchronize data from sub-systems into one centralized (headquarters) system
- Automatic and interactive processing and analysis of that information
- Analysis of relationships and networks between entities and collected information
- Analysis of information and events supported by statistics
- Elaborated role concept for different tasks, roles, rights and permissions
- High-level reporting providing different levels of intelligence, technical and productivity reports
- Analysing and visualisation of data in different ways (graphs, lists, tables, and relations)
- Network communication analysis

## Data Processing in IFS V2



### Benefits

#### For the organisation:

- Fusion of data from different sensors in a unified data model
- Searchability and accessibility of existing intelligence information
- Traceability of data, methods and procedures
- Acquisition and evaluation of productivity figures
- Scalability due to modular design
- Extension to additional functionalities also in the future
- Reduction of financial risks due to modular design
- Elaborated access rights solution

#### For the user:

- Intuitive graphical user interface (web browser based)
- Reproducibility of results
- Improvement of efficiency by usage of content analysis tools (audio, text, image, video)
- Unified data model allows analysis across different sensor types
- Unambiguous definition of responsibility
- Improved reporting

### System configurations examples

Depending on the user needs, the IFS V2 can be realized in different sizes and functional range, from basic to advanced level. Depending on user requirements, the systems can be modified according to the number of users, number of sensors, and throughput of data.

This implementation provides the whole framework including classifiers for sound and text. About 150 employees will use this configuration.

### One family, every signal, any domain

Sirius is a family of innovative and networked passive sensor systems based on common architecture and with a domain specific edge. It provides a complete synergistic capability for Intelligence, Surveillance and Reconnaissance – beyond

### Technical data

Configuration type	Basic	Extended	Advanced
Number of users	~20	~50	~150
# data input from different types of sensors	2-4	4-8	8-16
Intelligence Cube (messages per day)	~25,000	~100,000	~2,000,000
# Trainable classifiers (speech, text)	2	4	8
# Stored entities per day	500	1,000	2,000
# messages linked to entities	10,000	25,000	100,000
Number of clients	~20	~50	~150
# Reporting forms	4	8	10
Hardware servers	3-5	t.b.d.	t.b.d.
Hardware storage (TByte)	64 Tbyte	128 TByte extendable	128 TByte extendable
# Hardware clients (Notebooks / PC)	25	50	150

the scope of individual sensors. Today these systems provide Armed Forces and Intelligence Services around the world with the silent power required to turn signals into knowledge, whilst remaining undetected.