
RAJA
RAJAVARTIOLAITOS

Geospatial data and Border management

Presenter: Lt Col Topi Räsänen, Border Security Expert, Finnish Border Guard HQ

- Specifics about area of operations
- Point of view to border management
- Situational awareness and risk analysis
- Geospatial data in building performance

Finnish Border Guard – Safety and security in all circumstances

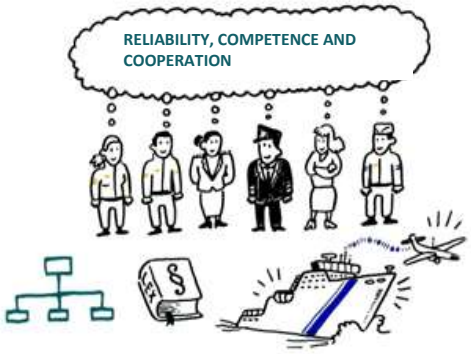
Vision:

- Finnish Border Guard is a highly capable European border security organization and an effective security provider in Finland.
- Finnish Border Guard predicts changes in its security surrounding and developes the capacity to respond to citizens and society's security needs in all border and sea areas.

Values:

Reliability – Competence – Cooperation

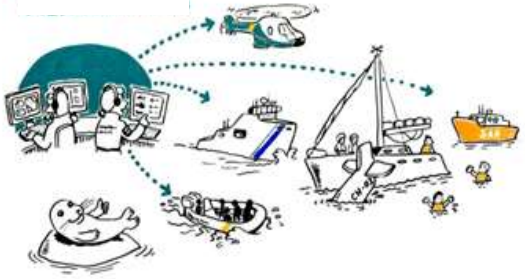
Safety and security in all circumstances



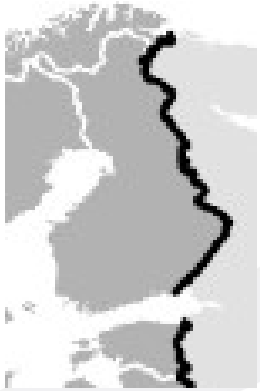
THE GOALS OF THE ACTIVITIES

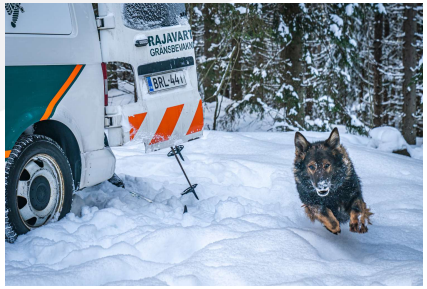
Border security

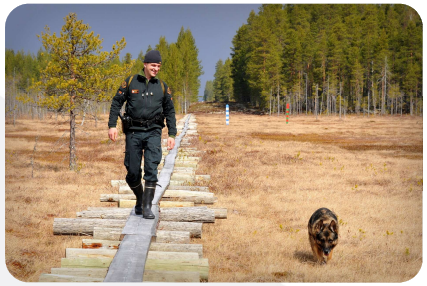
Safety at sea



Territorial integrity and defence readiness



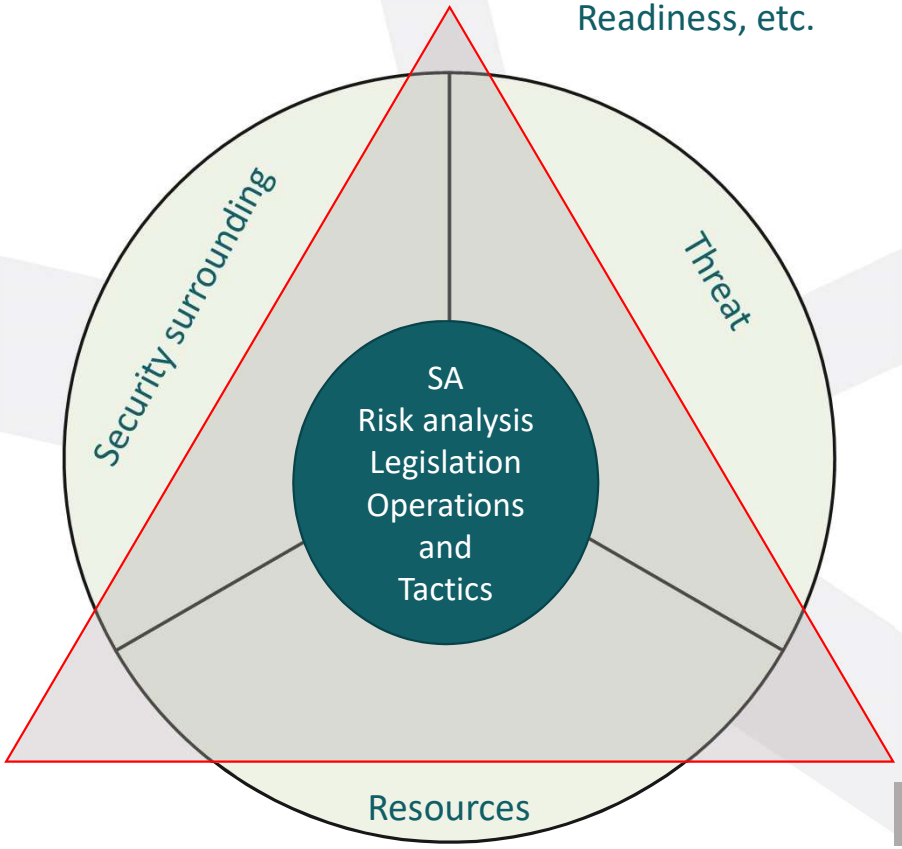




Performance at border management

Personel

PAX, location
Performance (know-how, equipment)
Readiness, etc.



Technical

Sensorfusion and
situational picture
Support of operations
Infrastructure
Mobility, etc.

Obstacles

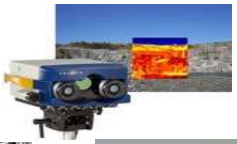
Environment
Neighbour´s border
management
Tactical obstacles, etc.

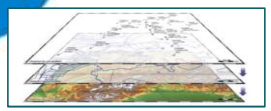
Building Situational Awareness

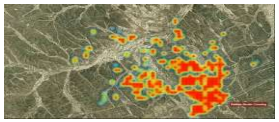
1. TASKING
2. COLLECTION
3. EVALUATION
4. COLLATION
5. ANALYSIS & INTERPRE-TATION
6. REPORTING
7. DISSEMINATION
8. REVIEW

Collection

- Techical surveillance (MASINT,IMINT,SIGINT)
- Patrolling (HUMINT)
- OSINT, GEOINT
- Cooperation with other agencies+countries



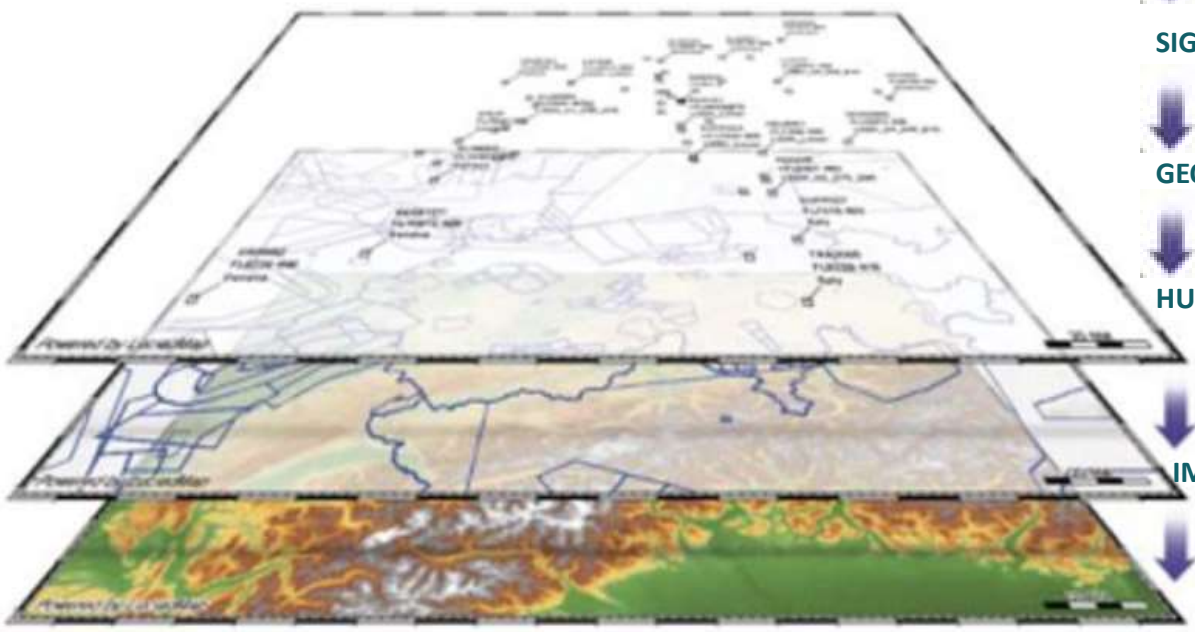




REPORT XXX
YYY

REPORT
XX

Multisensor, multifusion



MASINT

SIGINT

GEOINT

HUMINT

IMINT

OSINT

Geospatial data of observation and/or observer is important!

Single observation / information tell us something, but bigger value comes when you can combine multisensor information together and create new understanding.

→Ability to ”see behind” things.

ACCURATE SITUATIONAL PICTURE + ALARM INFORMATION

→ *Actions*

→ *Risk analysis*

Geospatial data for a border guard (practical level):

→Knowing and understanding environment/AOR.

- Terrain and mobility: type of terrain(south vs Lapland), lakes, swamps, common hiking speed, own response speed, etc.)
- Infrastructure: roads, railroads, areas with/without sensors, etc.
- Circumstanses, season, weather: ”General Winter” vs. midsummer endless sunlight
- Hotspots, heatmaps, areas of interest: What we know?
- Suprises (potentially next hotspot): What we assess and/or need to know?
- Etc…

→Applies all levels (from youngest BG to Chief of FBG→Political)

→Foundation of the knowledge (e.g geospatial data) is the same!

→All availabe sources of geospatial data is valuable and useful!

→ Higher quality of data = Better SA and RA = Better performance!

Questions, discussion

RAJAVARTIOLAITOS
GRÄNSBEVAKNINGSVÄSENDET
FINNISH BORDER GUARD