



DiveSMART conclusions and DiveSMART Baltic

Copenhagen 7 - 8th November 2016
Else Timms
Swedish Coast Guard

<https://www.youtube.com/watch?v=Vzhi5a0M3jM>



DiveSMART

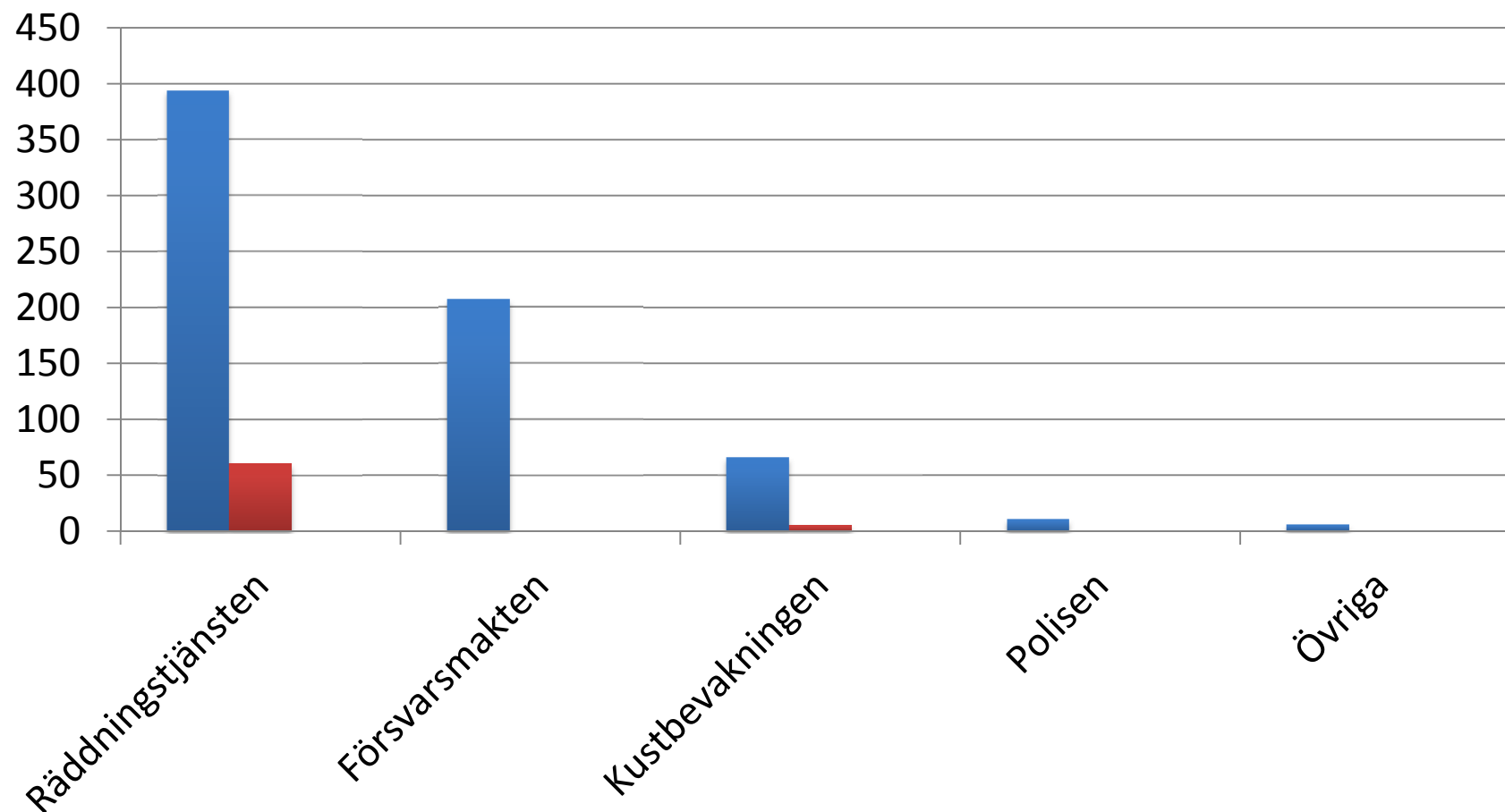
- National four year project (2012-16), bases on the lessons learned from the Costa Concordia accident.
- Operative partners; Swedish Coast Guard, Swedish Armed Forces, national diving schools, regional rescue services, Police

The parts of the project

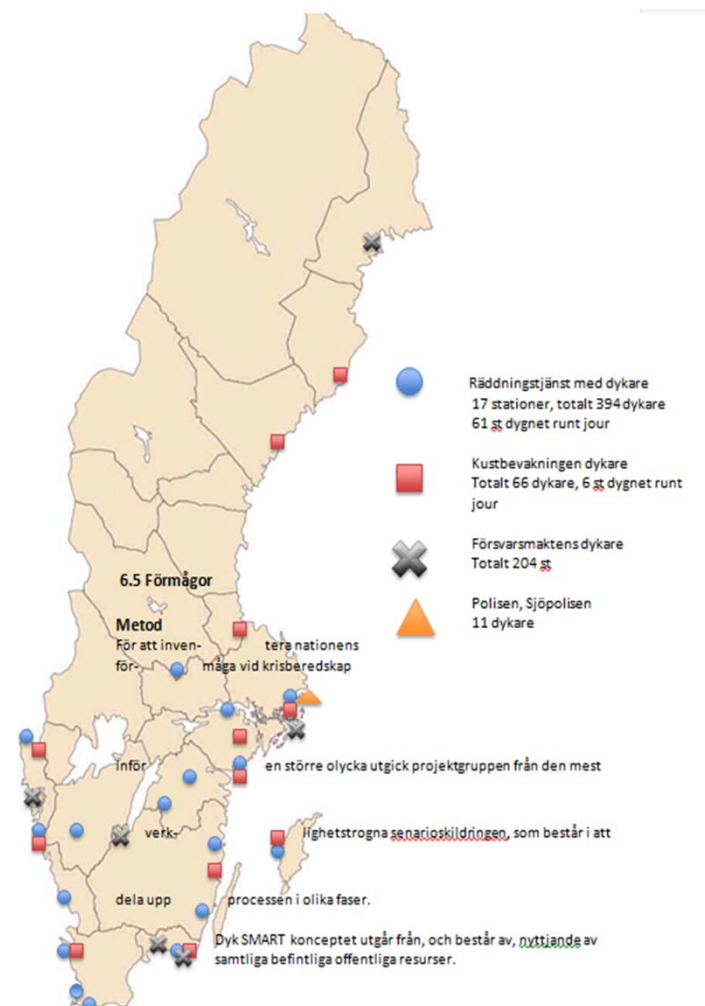
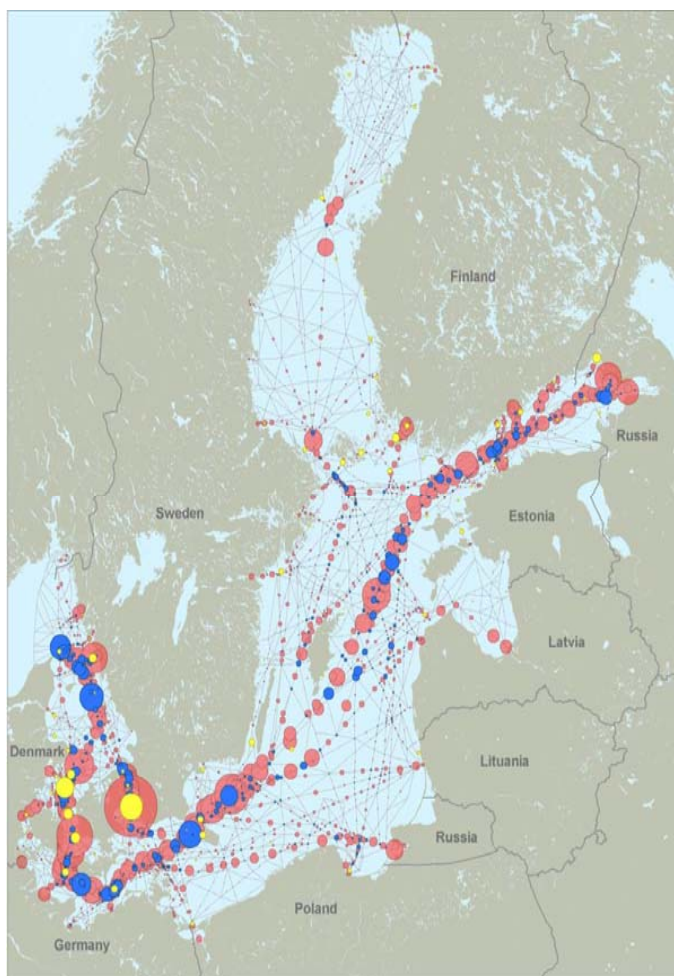
- Mapping of resources, human and technical
- The creation of a database
- Method development
- National cooperation
- Mobilizations strategies
- Development of exercise sites and routines
- Future international cooperation



Mapping of resources



Mapping of resources





National cooperation

Three phases have been noticed;

- **Phase 1** (0-4h); Information + rescue, in a low-risk environment – good sight, no penetration into sunken object. A 40 competence.
- **Phase 2** (4-24h); search and rescue, and a higher level of risk, for instance contaminated waters, penetration into sunken vessel, and use of tools. A40/H30 competence.
- **Phase 3** (after 24 h); Focus on saving lives, but also on search and recovery of those deceased. High risk environment with complicated penetration into vessels, advanced use of tools. B50 competence and also private companies.

National cooperation



- Phases important. Why?
 - Correct competence can be developed.
 - Correct equipment can be prioritized and deployed.
 - Strategy for endurance.
 - SOP for working on an emergency site together



Conclusions

- No-one knew which national diving resources were available three years ago.
- Now this is clear we can work more efficiently with training, and also in the future share expensive equipment.
- There are three phases which means that endurance over time and specialization in a specific phase is now possible.
- There are no mobilization plans for a severe accident.
- There are gaps in the national map.
- Cooperation is essential for efficiency, therefore exercises and a common SOP are relevant issues.
- The implementation of the project into the ordinary everyday work is important to focus on, or the relevance of the database, exercise routines will fall.

From national to international

DiveSMART
2013 - 2016



DiveSMART Baltic
2016 – 2019



Database and Exercises

- The collection of data is in progress
- Exercises are planned beginning in January 2017.
- One exercise week, 5 stations
- Final exercise in May 2018.

Research and Development

What have we discussed so far?

- Batterypacks
- Rescue suits
- Heat and light
- Cutting and penetration techniques
- The use of explosives for penetration in an emergency situation
- Access by blasting
- Sidemount equipment
- Contents and design of the transportable modules
- AUV:s, ROV:s, sonars
- Detection equipment contaminated water

Challenges

- The management of the future project results.
- The national legal framework for state authorities.

”Need help in doing the right things, perhaps not always the right way”



SWEDISH COAST GUARD

Thank you!

Henry Ford; “The Success of Teamwork”

Coming together is a beginning
Keeping together is progress
Working together is Success

