

Swedish ship operators network: “SON”

Efficient use of research vessels through networking

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The Swedish research fleet

- Oden — 9 438 ton -> ?
- Svea - 3 420 ton
- KBV 181 — 904 ton
- Skagerak — 916 ton
- Ocean surveyor — 514 ton
- Electra — 179 ton



NGO VOTO

- Ocean Seeker
- Ocean Nomad — 90 ton



SON – Ship Operators Network

Base line – no cooperation between ship operators

SON started informally in 2021 - Consortium agreement signed in 2022

- Management and legal issues
- Procurement
- Staff training
- Marine technician exchanges
- Joint public relations and awareness raising activities
- Share expertise
- Develop a national equipment pool
- Joint service agreements
- Joint development projects
- Joint planning tools, MFP

Activities so far

- Share experiences of management best practice and marine law
- Marine Technicians network
 - Technicians training and exchange between vessels
- Joint outreach activities like *"Open Ship in Stockholm June 2022"*
- SWERVE national infrastructure (Swedish research council funded)
- Joint procurements
 - Helicopter services procurement
 - ROV procurement
- Talking with one voice to the authorities

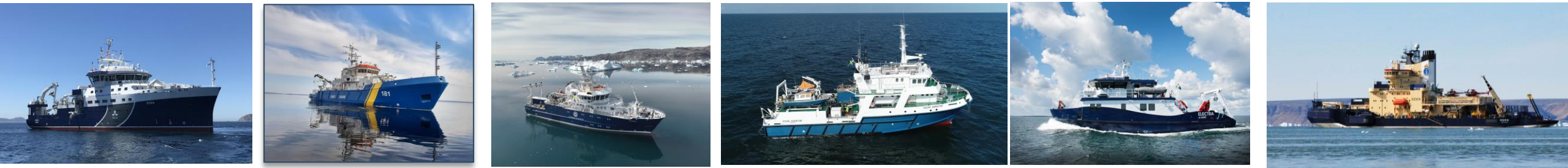


SWERVE

The Swedish Research Vessel Infrastructure for Marine Research (SWERVE) is a 3 year Swedish Research Council funded projekt to create a National Marine Research Infrastructure.

SWERVE brings together 6 research vessels, equipment, technical expertise and data management infrastructure through a partnership between the 7 SON organisations.

Aim: To align vessel and data infrastructures to enhance access to vessels, equipment and technical expertise – ensuring greater scientific and societal impact from research investment



Modules

Module 1: Coordination, Management and Communication

Module lead: GU

- Coordination
- Creating efficient management, (reporting, finances and governance)
- Communication
 - develop a national network of ship users
 - website, newsletter
 - inventory of nationally scientific equipment

Module 2: Technical Capabilities

Module lead: SLU & SMHI

Technical Capabilities

- National Marine Technicians Network
- Training courses and workshops
- Experts contact list
- Sharing knowledge and providing support for onboard sensor packages
- National sensor package inventory
- Onboard at-sea training and career development

Sensor harmonization and Data delivery

- Harmonization the onboard data systems
- Quality control and standardization of collected data
- Delivery of data to NODC
- Delivery of data to int. repositories

Module 3: Enhance access to ships for research

Module lead: GU

- Ship time funding through competitive application process
- Supports potential ship users with finding collaborators, potential piggyback voyages or other aspects needed
- ECR voyage on Oden

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3 years

2 calls

Call 1, 18 applicants

Call 2, out now

ROV procurement for SON

- We want a common vendor
- 3 observation class ROVs with payload capability
- 500-1000 meters
- 6 degrees of freedom
- “Low end” LARS system for Svea

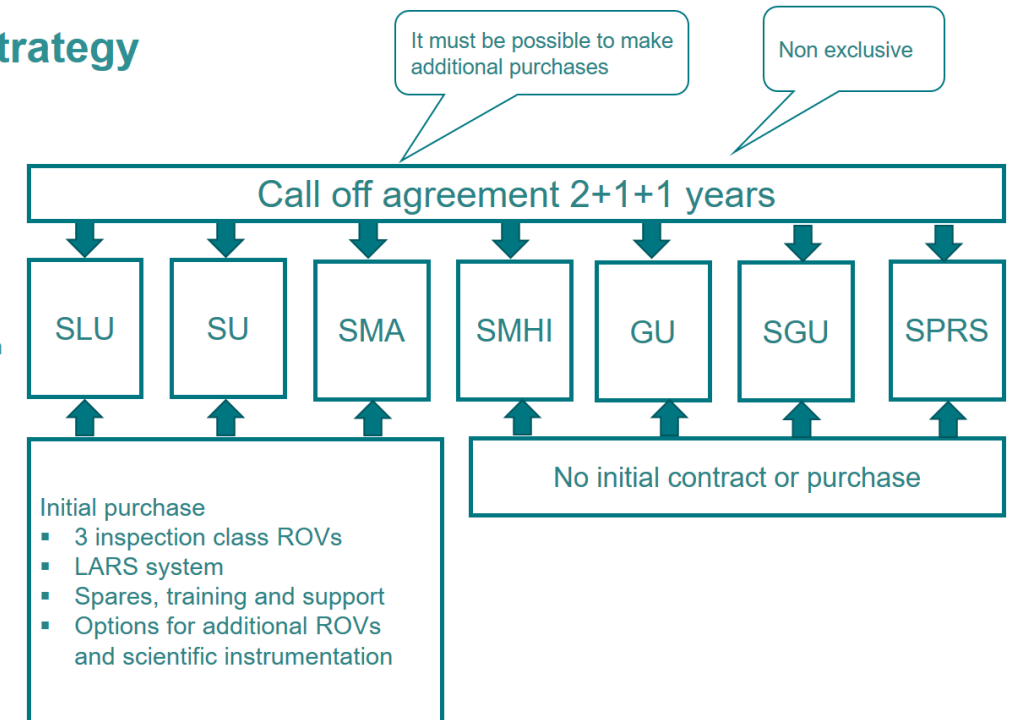
The winning bid have been chosen
 We are now in the 10 day contract block period

Procurement strategy

Main agreement

Authorized organisations

Each organization signs its own purchase agreement



ROV procurement for SON

Three Ocean Modules V8 500 systems

Tool skid with cable tracker

Mobile LARS system primarily for Svea



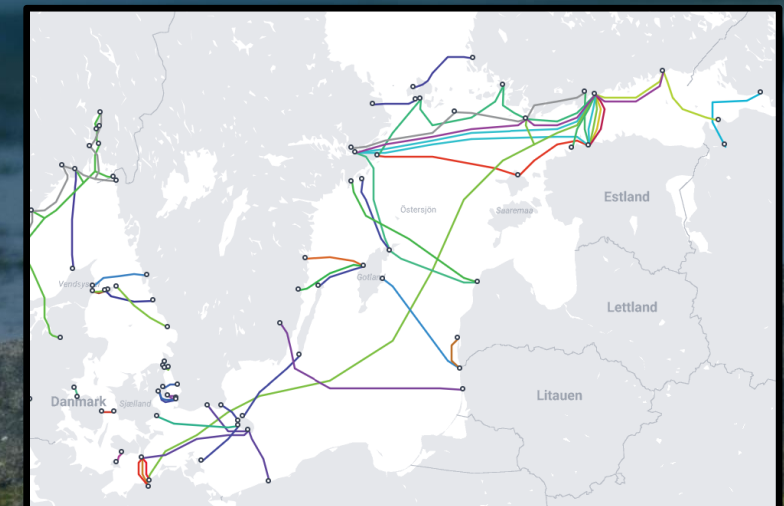
SON joint management?

- Each organisation in the network owns its own vessels
- Crew operated by respective vessel owner/operator
- Management
 - Should we operate our own management company?
 - Should we procure management?
- Joint marine personnel agreements for seagoing staff?
- All this on a voluntary basis, nobody is likely to give us directives from above

Changing security situation in the Baltic Sea

The hottest topic for us right now

- Increased tension likely leads to more restrictions in Swedish territorial waters
- This affects us in our science and monitoring missions
- We don't want to have seven separate dialogues with the authorities, I.E. military, coastguard and SMA



Towards the future

- Establish more stable management structures
- SWERVE (4 more years?)
- Pool of technical staff that can work on different ships
- Joint marine staff agreement for seafaring personal
- Joint procurement organisation
- Joint management?
- But no joint ownership of resources in a foreseeable future

Thank you for your attention

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