

ECOMOS II

Information for potential members



What is the basis for ECOMOS II?

addresses the need for a computer model to theoretically assess **Target Acquisition performance** and to specify an imager and its subsystems for existing/future European defence and security capability development

aims to produce a generally accepted and harmonized **European computer model** for calculating target detection, recognition, and identification ranges for **thermal imagers**



involves close co-operation between European defence and security industries as well as public research institutes in order to integrate expertise and existing national solutions regarding optronic system range performance modelling into a **common European product**

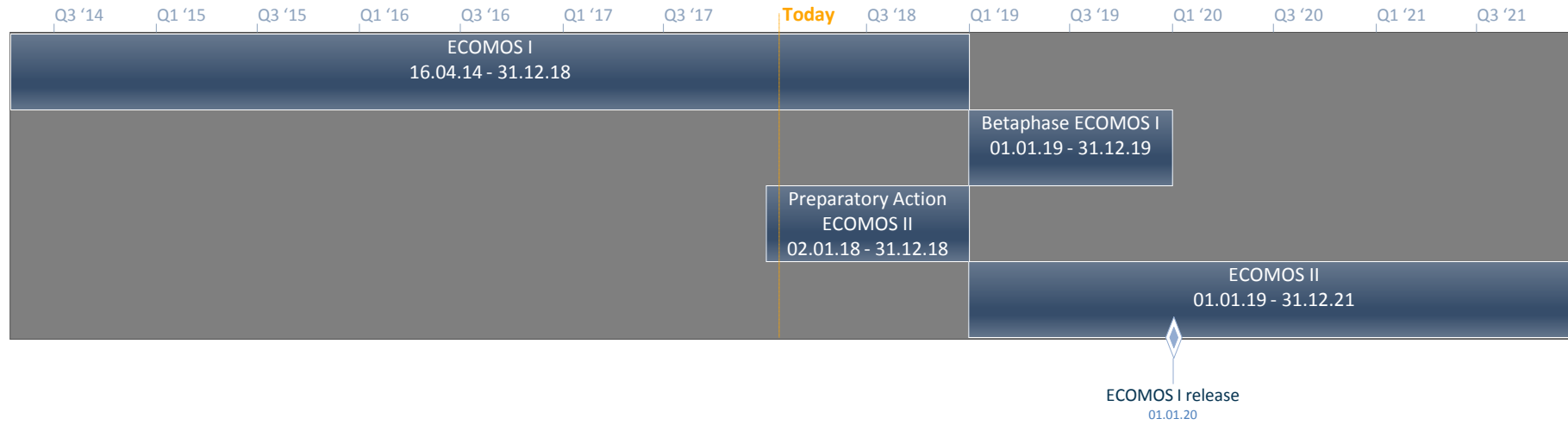
shall build up a **strong competitive position** especially with respect to established US software models

What is ECOMOS II all about?

- So far one idea is to extend the spectral range of ECOMOS to VIS, NIR and SWIR. Another idea is to put ECOMOS in a position to predict the performance of sensors with smart image processing algorithms according to an agreed on scene catalog.
- New target sets: urban, drones, ships, ...
- (Active systems)
- Dynamics, motion, video
- Slant path
- Turbulence mitigation
- (color)
- Point target detection
- Hyperspectral/multispectral

*The actual content of the project
is not limited to the topics in this list
and topics could as well be part of follow-on projects*

When will ECOMOS II start?



Who can join?

Any EDA-country who can give a significant contribution to the proposed work packages.



www.ecomos.org