RV BELGICA II

A NEW OCEANOGRAPHIC RESEARCH VESSEL TO REPLACE THE EXISTING A962 BELGICA

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INTRODUCTION

In 2009, a feasibility study was ordered by the Belgian Science Policy Office (BELSPO) to assess the best future options for the existing A962 Belgica:

- 1. Replacement by a new oceanographic research vessel: best and only option
- 2. Modernizing the existing vessel: financially, technically and statutory not feasible

STATUS A962 BELGICA

- The present-day Belgian oceanographic research vessel A962 Belgica is a 28-year-old research platform. The lifetime of a research vessel is approximately 30 years;
- Obsolescence of certain equipment;
- (Hidden) corrosion;
- Lack of space and comfort in comparison with modern research vessels.



RV BELGICA II REQUESTED CAPABILITIES



• The scientific community insists the new ship should be a multipurpose research vessel (for hydrography, geology, biology, oceanography, fisheries, environmental sampling, etc.);



- An autonomy of 4 weeks;
- With more space and ideal for large-scale equipment (AUV, ROV, coring, etc.);
- With a minimal ice class.





In Europe:

Multipurpose oceanographic research vessels belonging to the regional/ocean class will be lacking in Europe in the near future. The new RV Belgica II can fill in this gap.

COMPATIBILITY WITH OTHER RVs

In Belgium:

The RV Belgica II and the RV Simon Stevin will be fully complementary:

- Working area: "open sea" (BPNS + Atlantic) vs. coastal (BPNS)
- Expedition duration: week(s) vs. day(s)
- Vessel size: 65 * 17 * 4.6 m vs. 36 * 9 * 3.5 m

TIME SCHEDULE & BUDGET

- a. 5-7 years needed to finalize new build
- b. > 50 M€ (excl. VAT)

...THE TIME IS NOW!!



References

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