

# GERMAN RESEARCH VESSELS\*

\* except RVs from the Ministries of Defence (1 RV), Agriculture (3 RV), Traffic (6 RV)



## POLARSTERN

- last 31 years for AWI, Bremerhaven
- more than 52 expeditions
- 310 days per year
- northern winter: Antarctic
- northern summer: Arctic
- in 2013 she will stay in Antarctica



replacement of POLARSTERN is under discussion with scientific- and shipbuilding-technical requirements formulated:

- first design study accepted
- discussions about the form of call for tenders are under way



## METEOR

- since 27 years 'flagship' for Federal Ministry of Education and Research (BMBF)
- now fulfilling its 95. expedition
- about 310 days per year at sea
- still running with no problems

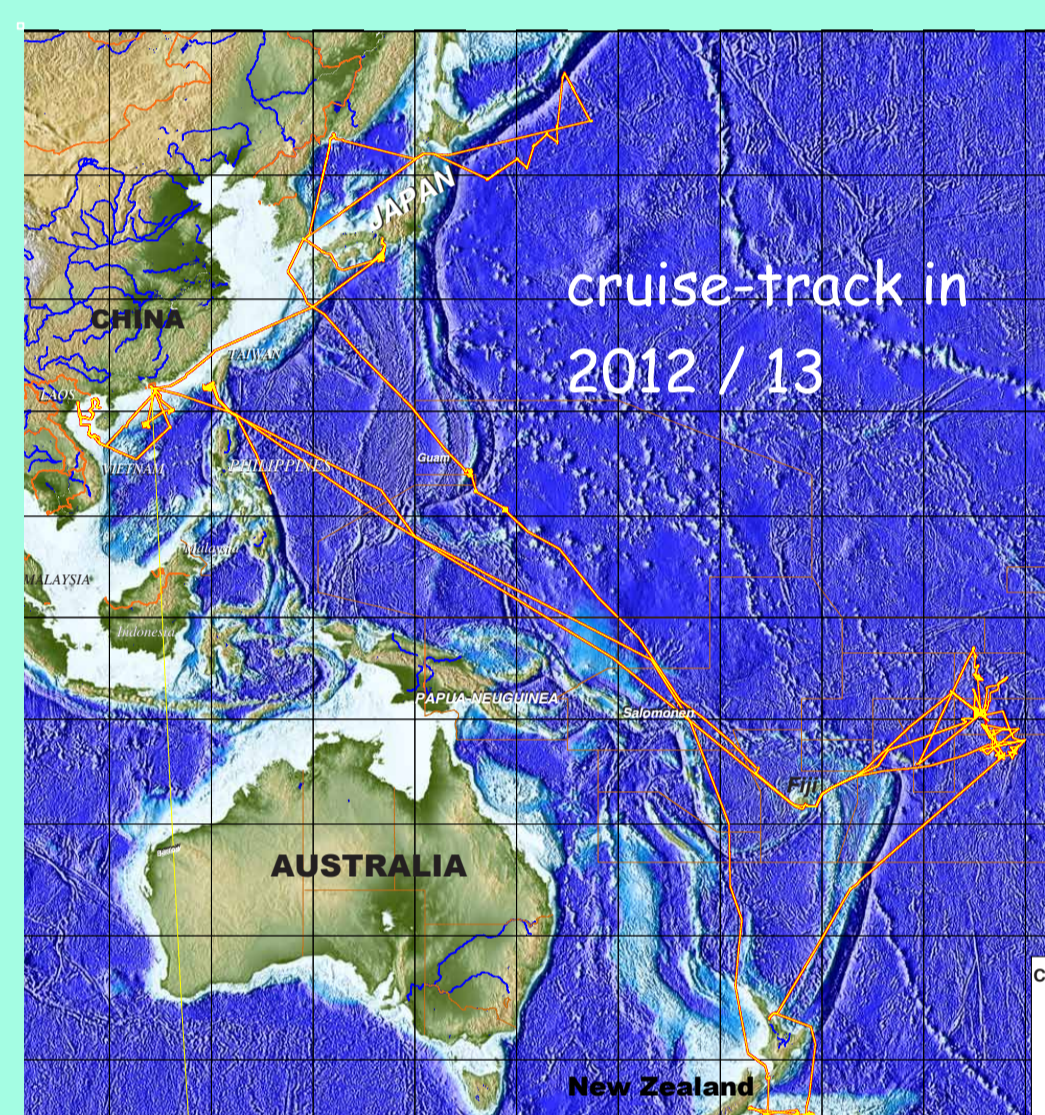


- will get new 'bridge computers'
- change of shipping company in January 2013, now Briese Shipping Company, Leer



## SONNE

- only privately owned (by RF, Bremen) ship in German fleet chartered by Federal Ministry of Education and Research for 250 days per year



- ship operates mainly in the Pacific and Indic (geophysical research)



- will be replaced in 2014 by governmental owned ship

- currently under construction at Meyer shipyard, Papenburg (famous for large cruise liners)



## MARIA S. MERIAN

- belonging to IOW (Leibniz Institute for Baltic Research) Warnemünde
- 310 days of multidisciplinary research work / year
- new Kongsberg multibeam echo sounders
- no more problems with pod-drives (GL: have to be checked every five years)



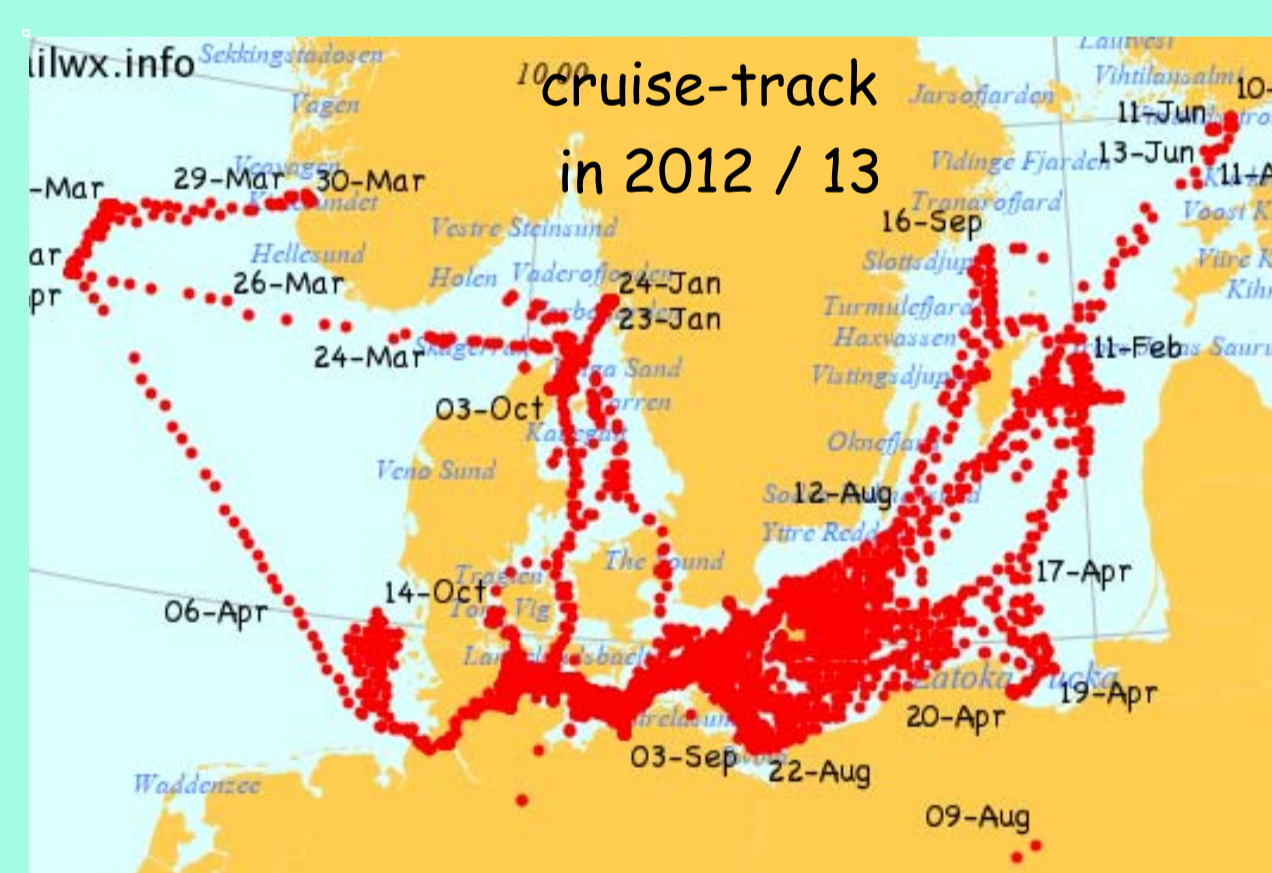
## POSEIDON

- the 'old lady' of GEOMAR, Kiel
- since 1976 a total of about 450 expeditions



- ship is increasingly ageing
- problems with hull thickness
- problems with winch system
- Replacement is under discussion (should be due in 2017/18)

## ALKOR



- since 1986 multidisciplinary (including fisheries) research cruises and some student practicals
- conversion of fishing winch (now partly removable)

- sister ships
- ALKOR belongs to GEOMAR, Kiel
- HEINCKE belongs to AWI, Bremerhaven

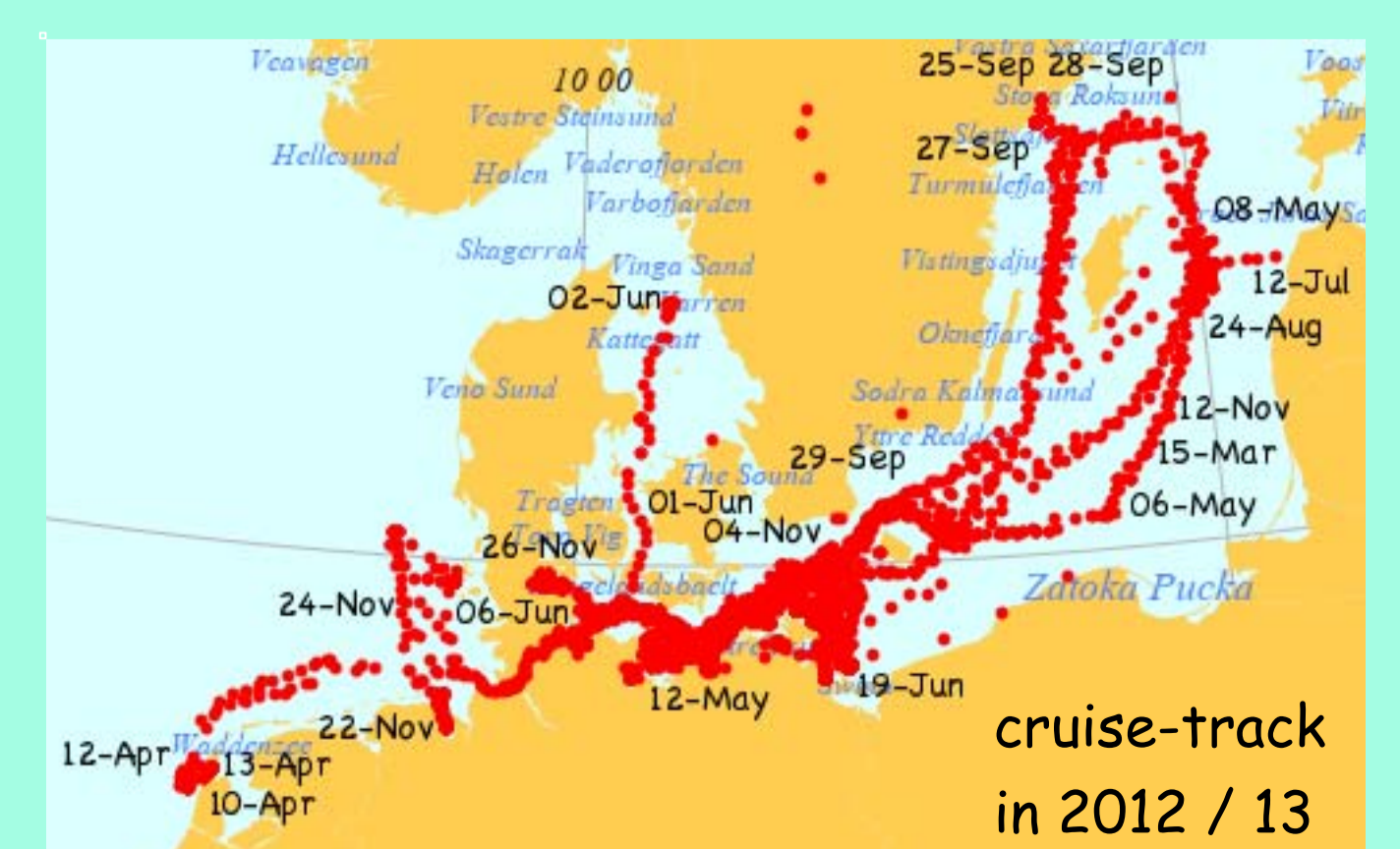
## HEINCKE



## ELISABETH MANN BOURGESE



- since 2011 regional RV of IOW (Leibniz Institute for Baltic Research) Warnemünde
- for multidisciplinary research work



- got new machinery
- extension of winch (crane) system