Bathymetry Data Management in JAMSTEC

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Research Cruises in JAMSTEC and Bathymetry Data Management

JAMSTEC has carried out over 700 cruises and manages data from those cruises.
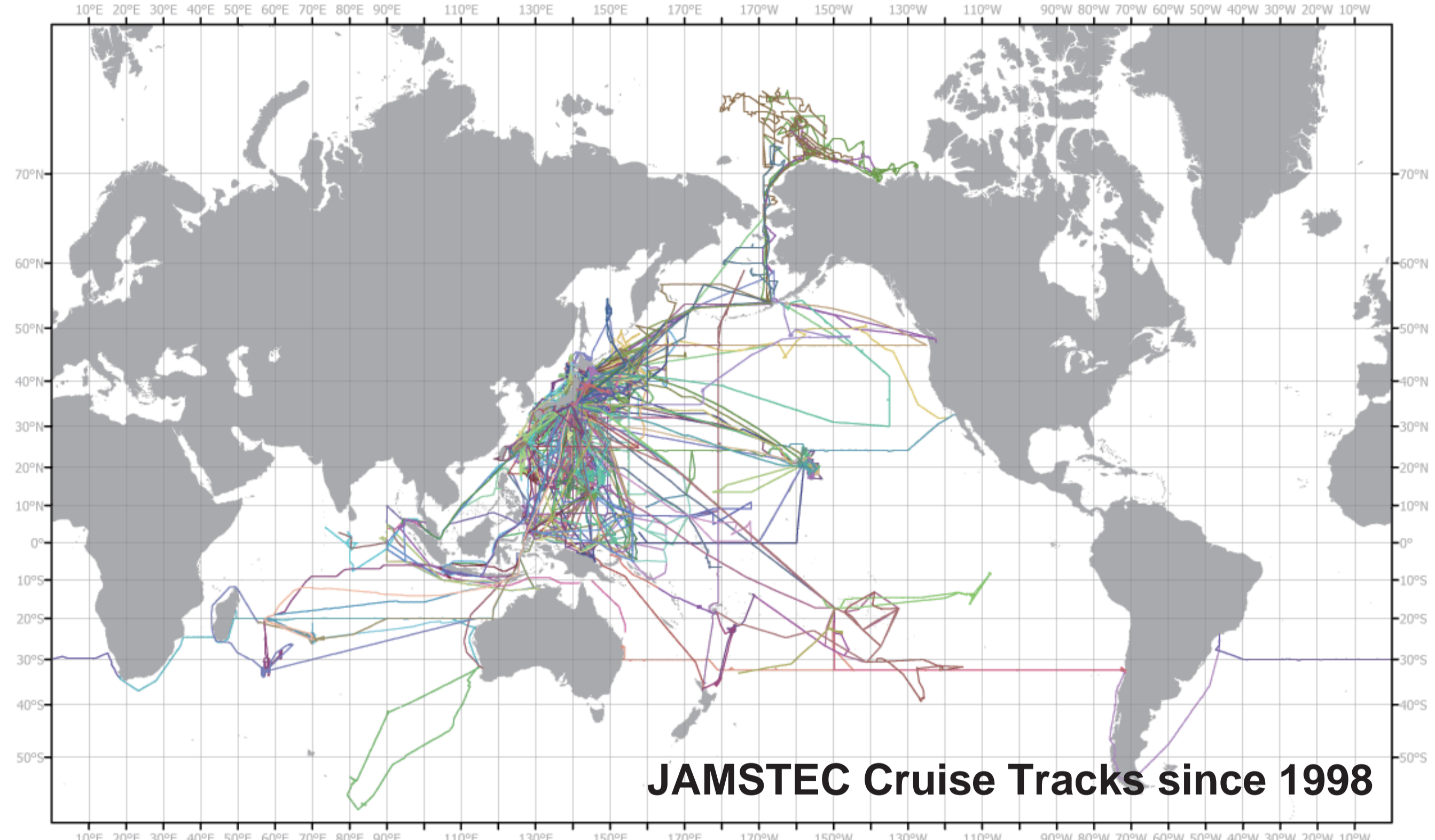
JAMSTEC has operated its research vessels since 1981 and carried out over 700 cruises in various area all over the world especially in northwestern Pacific. Now JAMSTEC conducts about 80 cruises with five research vessels (NATSUSHIMA, KAIYO, YOKOSUKA, MIRAI and KAIREI) every year.

Data Integration and Analyses Group in Marine-Earth Data and Information Department/ JAMSTEC, which operates Data Management Office (DMO), manages almost all the data from JAMSTEC fleets including bathymetry data. DMO conducts quality controls, if possible, and makes it open to public via JAMSTEC web site.

As of now bathymetry data was obtained from more than 600 cruises and about 200 of them are already opened.

In 2007 JAMSTEC established its data policy and stated in it that in principal all data from JAMSTEC's research cruises should be disseminated in two years moratorium period. This policy is in effective since FY2008 cruises.

JAMSTEC Cruise Tracks since 1998

JAMSTEC Data Sites Steps into the Next Stage

JAMSTEC is developing the Data Search Portal in order that users are able to find the most suitable data from various kinds of data sites in JAMSTEC web site.

Data publishing in JAMSTEC is conducted by each research center, research program and data management office through many kinds of databases or data sites. Users must know where is the data they want to use or dig it out from many sites.

To make finding appropriate data easier Data Search Portal is being developed. By this system users can search data by area (selecting by mouse), data type or period. At the same time data publishing sites for research vessels will be merged into one site.

This data search portal will be released in this fiscal year.

Data Site for Research Cruises

Data Search Portal Site

Data Site for R/V MIRAI

http://www.jamstec.go.jp/mirai/

Data Site for other R/Vs

http://www.jamstec.go.jp/dsr/

Users

Internet

Other Data Sites

Rock Sample Database

http://www.jamstec.go.jp/ganseki/

DeepSea Image Database

http://www.jamstec.go.jp/dsidb/

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