



Project Management Jülich

A National Agency for Research Funding

About Project Management Jülich

- Staff of around 340 colleagues
- 8 divisions
- Central Management, Planning and Controlling
- Staff Function Communication and Quality Management

- Offices in Jülich, Berlin and [Rostock-Warnemünde](#)
- BMBF Funding Information Centre

- A largely independent unit within the Research Centre Jülich

Fields of Work

- Biotechnology
- Energy Research
- New Materials
- Environment and Sustainability
- Marine and Polar Research, Geotechnologies
- Navigation and Marine Technology
- Basic Research in Natural Sciences
- Technology Transfer and Business Start-up
- Regional Technology Platforms
- European Research Management
- International Cooperation

Rostock-Warnemünde – PtJ/MGS



Scientific and administrative project support for the Federal Ministry of Science and Education (BMBF) as well as Federal Ministry of Economics and Technology (BMWFi) and the state Mecklenburg-Vorpommern

- National contact point for the EU
- Foci: Marine and Polar Research, Geosciences, Shipping and Marine Technologies

About MGS

- was founded in 1991 in Rostock-Warnemünde,
- 31 employees (14 scientific personnel),
- assist approximately 425 scientific projects
- total budget in 2006 of roundabout 77 Million Euro, divided into
63.7 Million Euro - Marine, Polar and Geosciences and
13.2 Million Euro – Shipping and Marine Technology

Activities of MGS

- provide scientific and financial support for research,
- give assistance to the ministries regarding new concepts, programmes and strategies,
- prepare and implement governmental programmes (including preparation of calls, programme evaluations, etc.),
- give advice to potential applicants seeking support,
- make technical and scientific control of projects (national, EU),
- control the application respectively use of the project outcomes,
- responsible for planning the cruises of the research vessel SONNE

Running infrastructure is not an activity of our Organisation

Who runs marine technical equipment in Germany?

- **AWI** (Alfred- Wegener Institute for Polar and Marine Research)
- **BGR** (Federal Institute for Geosciences and Natural Resources)
- **IFM – GEOMAR** (Leibniz Institute of Marine Sciences at the University of Kiel)
- **MARUM** (Centre for marine environmental research) at the University of Bremen
- **MPI** (Max Planck Institute for Marine Microbiology in Bremen)

Nature of the Institutes and their mobile technical equipment

AWI

- The **AWI** is one of 15 members of the Helmholtz Association and concerned with studying the poles, the oceans and the climate. The **AWI** has a about 778 staff and its head office in Bremerhaven. It also maintains a Research Institute in Potsdam (Forschungsstelle Potsdam), a Biological Institute on Helgoland (Biologische Anstalt Helgoland - BAH) and a Tideland Station on Sylt (Wattenmeerstation Sylt)
- **Equipment:** 30 ocean bottom seismometers (OBS); 3 GI Gun, 8 G guns, 1 Bolt PAR CT800; Streamersystems: a) Prakla Streamer 800 m active length (96 channels, 6,25 m group distance) und b) Prakla Streamer 100 m active length (48 channel, 2,08 group distance); AUV (– 3000m) manufactured by Bluefin Robotics

BGR

- **BGR** (Federal Institute for Geosciences and Natural Resources) is the central geoscientific authority providing advice to the German Federal Government in all geo-relevant questions. It is subordinate to the Federal Ministry of Economics and Technology (BMWi). The BGR is committed to sustainable use of natural resources and protection of the human habitat. As a neutral institution feeling responsible for the future it advises ministries and the European Community and act as partners in industry and science. The leading motive of the daily work is *“Improvement of Living Conditions by Sustainable Use of the Geo-Potentials”*
- **Equipment:** Magnetometer, Gravimeter, Heat Flow measurement unit, Autoclav- Piston Corer; 2 x 8 G Guns (3100 in³); Digital Streamer System Syntrak 960 (Active Length 3000 m, 120 channels)

IFM - GEOMAR

- The **IFM-GEOMAR** is one of 84 non university research institutes of the Leibniz association. The institutes' mandate is the interdisciplinary investigation of all relevant aspects of modern marine sciences, from sea floor geology to marine meteorology. Research is conducted worldwide in all oceans. About 420 people are working at two sites in Kiel.
- **Equipment:** about 80 OBS/OBH, 1 GI Gun (up to 355 in³), 2 x G Gun (380 in³), 2 x G Gun (250 in³), 4x2 G Gun (520 in³), 3 x 32I BOLT; Deep Tow Side Scan, Deep Tow Streamer (MC), Posidonia; Submersible "JAGO"; KIEL 6000 ROV (QUEST of Schilling Robotics LLC) -6000 m

MARUM

- **MARUM**, the Center for Marine Environmental Research integrates a wide variety of expertise from multiple research institutes, thus optimally exploiting Bremen's potential. It aims at unravelling the role of the oceans in the Earth's system by employing state-of-the-art methods. It examines the significance of the oceans within the framework of global change, quantifies interactions between the marine geosphere and biosphere, and provides information for a sustainable use of the ocean.
- **Equipment:** MeBo drill rig (max. 50 m cores, 2000 m); ROV's: QUEST (4000 m), CHEROKEE (1000 m), AUV (based on the established design of the EXPLORER Marine Science AUV); MOVE (Moving Lander - a vehicle that can move autonomously on the ocean floor employing a wheel or a caterpillar traction system, operating time: - 9 months, radius: 1 km, 6000 m)

MPI

- **MPI** is a member of the Max Planck society. The research institutes of the Max Planck Society perform basic research in the interest of the general public in the natural sciences, life sciences, social sciences, and the humanities. In particular, the Max Planck Society takes up new and innovative research areas that German universities are not in a position to accommodate or deal with adequately. These interdisciplinary research areas often do not fit into the university organization, or they require more funds for personnel and equipment than those available at universities.
- **Equipment:** ROV operated systems and autonomous lander

Contact persons at the Institutes

Name	Institute	Equipment
Dr. Michael Klages	AWI	AUV
Dr. Wilfried Jokat	AWI	Seismic equipment
Dr. Soenke Neben	BGR	Seismic equipment, Geological probing equipment
Dr. Jörg Bialas	IFM-GEOMAR	Seismic equipment
Dr. Thomas Kuhn	IFM-GEOMAR	ROV, Lander
Dr. Klas Lackschewitz	IFM-GEOMAR	AUV, Lander
Karen Hissmann	IFM-GEOMAR	Submersible Jago
Dr. Tim Freudenthal	MARUM	MeBo
Dr. Gerrit Meinecke	MARUM	AUV
Dr. Volker Ratmeyer	MARUM	ROV's
Dr. Frank Wenzhöfer	MPI	ROV's, Lander