IPEV is a Public interest group (GIP) with the following French organizations as members: Ministry of Higher Education and Research (MESR), Ministry of Foreign Affairs and International Development (MAEDI), Centre National de la Recherche Scientifique (CNRS), Institut Français de Recherche pour l’exploitation de la mer (IFREMER), Commissariat à l’énergie atomique et aux énergies alternatives (CEA), Centre National d’Études Spatiales (CNES), Météo-France, Terres australes et antarctiques françaises (TAAF), Expéditions Polaires Françaises (EPF).

**SHIP PARTICULARS**

- Call sign: FNIN
- IMO number: 9050814
- Overall length: 120.50 m
- Beam: 20.60 m
- Summer draft: 6.96 m
- Displacement: 5499 t
- Gross tonnage: 9403 UMS
- Total capacity: 160 persons
- Marine crew: 48
- Scientists and technicians up to 110
- Averaging operating speed: 13 knots
- Ateliers et Chantiers du Havre, ACH291

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The R/V Marion Dufresne was launched in 1995 and went through a major refit in 2015. IPEV, the French Polar Institute, operates the vessel 217 days/year* for undertaking research programs of national and global importance.

Seabed Mapping - Gondola Mounted
- EM 122 1°x1° deep water multibeam echosounder
- EM 710 high resolution multibeam echosounder
- SBP 120-3 sub-bottom profiler

Seabed Sampling
- CALYPSO II giant piston sediment corer up to 75m
- CASQ Square gravity corer 9 or 12 m
- Gravity corer and heat flow measurement
- Interface acoustic multicorer equipped with underwater camera
- MSCL Multi-sensor core logger including camera
- Rock dredges

Seawater Sampling and Measures
- 24 bottles carroussel with SBE 911+ and associated sensors
- Thermosalinometer SBE 45
- Mooring deployment and recovery in any water depths
- Hull mounted ADCP Acoustic doppler current profiler 38, 75 and 150 kHz

Fishery Research
- EK80 bioacoustics echosounder 18, 38, 70, 120 and 200 kHz
- Scientific fish trawl deployment

Underwater Acoustic Positioning
- USBL Ultra-short base-line Posidonia

Other Equipment
- Gravimeter microg Lacoste MGS-6
- Overhauser Seapsy magnetometer
- Weather station
- Capacity to operate national multichannel seismic equipment
- Dynamic positioning capacities for ROV or other deployment

The R/V Marion Dufresne is the only vessel able to operate the giant corer Calypso II, retrieving sediment cores up to 75 metres long.

Giant Piston Sediment Corer
- The ship is specially designed to handle long pipes and is equipped with dedicated devices: a winch of 45 tons pulling strength, rigged with a very high stiffness Dyneema rope (Ø35) 7500 metres, and associated gantry and booms.

For the last twenty years, the R/V Marion Dufresne cruises generated thousands of top rank publications in paleoclimatology and other sciences.

*The R/V Marion Dufresne is operated by CMA-CGM and chartered by TAAF for 120 days/year for logistic supply of the french sub-antarctic islands.