

## NOMINATION FOR SCIENTIFIC COMMITTEES OR EQUIVALENT

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### DETAILS OF CANDIDATE NOMINATED

Organisation: Alfred-Wegener-Institut

Title: Dr.      First Name: Eberhard      Last Name: Fahrbach

Year of birth: 47

Gender: Male

Address: Postbox 12 01 61 D-27515 Bremerhaven

Country: Germany

Nationality: German

Email Address: [efahrbach@awi-bremerhaven.de](mailto:efahrbach@awi-bremerhaven.de)

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### Submitted by :

Title: Dr.      First Name: Colin      Last Name: Summerhayes

## PROFILE OF NOMINEE

Name of Nominee: **Eberhard Fahrbach**

### Academic Background: (maximum of 10 lines)

#### University

1968 – 1970: University Heidelberg, Physics, Vordiplom

1971 – 1974: University Kiel, Physical Oceanography, Diplom

#### Diplom thesis

1973 – 1974 University Kiel, Formation and propagation of internal tides over the continental slope of Sierra Leone

#### Ph.D. thesis

1980 - 1983: University Kiel, Transport processes in the central equatorial Atlantic and their influence on the heat budget,

### Positions Held: (maximum of 10 lines)

1975 – 1979: Project scientist, Kiel, Institut für Meereskunde

Work in coastal and equatorial upwelling of NW Africa and South America, tropical oceanography and internal waves

1984 – 1984: University of Miami, CIMAS

1984 – 1984: Oregon State University, Department of Oceanography

1984 – 1986: Project scientist, Kiel, Institut für Meereskunde

Work on the North Atlantic Current System

Current Position since 1986: Senior scientist at Alfred-Wegener-Institut für Polar- und Meeresforschung with work on water masses and circulation in the Weddell Sea, the Nordic Seas and the Arctic Ocean. Since 2003 scientific coordinator of RV POLARSTERN

### Expertise: (maximum of 10 lines)

Physical Oceanography, in particular fieldwork

Investigations on the circulation and water mass transformations in polar seas to determine the role of polar oceans in climate with a focus on the Weddell Sea and the Greenland Sea. In this context participation on 14 cruises to the Antarctic and Arctic seas, 9 as chief scientist.

Close cooperation in interdisciplinary projects with biology and geochemistry.

Involvement in international cooperation in the framework of WCRP (ACSYS, CLIVAR, CliC) and SCAR.

### Why is this individual particularly suited to this committee or panel ? (maximum of 5 lines)

Experience in multi-disciplinary oceanographic fieldwork in both polar areas on the background of global thinking.

Experience in organizing scientific fieldwork and ships operations on the background of logistic constraints