

FLATOCOA from Remi Losno

WWW Form Submission

Date: Mon, 07 Apr 2008 16:47:54 +0100

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ProjectTitle: FLATOCOA, Flux of atmospheric dust over Austral Ocean

FundingStatus: funded

Larger thematic?: Not today

ESSP?: Announced in GEOTRACE action for the IPY, but come now too late.

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ProjectAbstract: The goal is to know the amount of continental atmospheric dust deposited on the South Ocean, including determination of the bioavailable fraction. Special attention is given on Fe and other micro-nutrients, including Zn, Cd, Mn, P, Si and Co. The atmospheric total deposition flux and the atmospheric dust concentration will be measured during 2 years 1/2 at Kerguelen with an integration time of one week to 1 month. Solubility experiments will be done on collected dust to get informations on bioavailability of micro-nutrients. A transportation/deposition model will be used to extrapolate at a largest scale possible. In addition, another station will run for 1 year at Crozet island to assess gradient informations on a 1000 km scale. Results will be published in 2010.

KeyWords: Atmospheric dust deposition, Austral Ocean, South Indian Ocean
Time Series: is relevant

Activity 1.4: is relevant

startdate: 2008

enddate: 2009 or 2010

fundingtodate: 7000 Euros + Field travel and subsistence + salary for 18 months

totalfunding: Same for one extra year

fundingsources: IPEV (Institut Paul Emile Victor)
Laboratory own funding

contactedrep?: yes

notcontacted because: e.g. Rep unavailable, conflict of interest etc...