FICHE META\_INFORMATION\_PARAMETRES

(à remplir par le responsable du paramètre)

#### 

### Nom du DATASET / Data SET NAME

FLOW CYTOMETRY

-Bacteria abundance

-Nanoeukaryote abundance

-Picoeucaryotes abundance

-Cryptophyte abundance

-Synechococcus abundance

### PROJET-ETUDE / *PROJECT TITLE*

*Campaign NAME* : GreenEdge – ICECAMP – 2016

*Date* *begin :* 4/05/2016

*Date end :* 18/07/2016

*Team Responsible*: VAULOT

*Address :* Roscoff

OPERATION *(if Relevant)*

*Sampling method :* Niskin bottle, Ice coring

*Station number-Cast number :*

*Operation code :*

### **RESPONSABLE SCIENTIFIQUE du paramètre / *PI of the parameter***

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Nom / *name* | adresse /*address* | téléphone / *phone number* | fax /*fax number* | adresse mél /*email address* |
| **VAULOT** |  |  |  | vaulot@sb-roscoff.fr |
|  |  |  |  |  |

### DATASET contact

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Nom / *name* | adresse /*address* | téléphone / *phone number* | fax /*fax number* | adresse mél /*email address* |
| **VAULOT** |  |  |  | vaulot@sb-roscoff.fr |
|  |  |  |  |  |

### INFORMATION GEOGRAPHIQUES */ GEOGRAPHIC INFORMATION*

*Predefined site (if relevant):*

*Location: Ice camp, Polarhaven*

*LATITUDE:* 67°28.784N

*LONGITUDE* 063°47.372W

### DESCRIPTION DES INSTRUMENTS / INSTRUMENTS DESCRIPTION *(if Relevant)*

*Instrument Type:* Flow cytometer

*Manufacturer:* Becton Dickinson

*Model:* FACS Canto

*Instrument Features / Calibration:*

### DESCRIPTION DES PARAMETRES */ PARAMETERS DESCRIPTION*

# Ce qui a été collecté, mesuré et comment / *How was the parameter collected and measured (include references for analytical methods)?*

*Sampling:*

Seawater collected at all depth from Niskin bottles;

0-3 and 3-10 bottom centimeter of ice core diluted in fresh filtered seawater;

Short-term (2-3 days) sediment trap samples.

Samples of 1,5ml were not filtrated, poisoned with 15 uL glutaraldehydes 25% and 1/100 solution Pluronic 10%, and frozen at -80˚C until analysis in laboratory.

*Analytical procedure : (briefly, could be a short recall to a published reference):*

Flow cytometry analysis of abundance of picoeukaryotes, nanoeukaryotes, cryptophytes, total bacteria See :Marie D, Brussaard CPD, Partensky F, Vaulot D. (1999). Flow cytometric analysis of phytoplankton, bacteria and viruses. In: Robinson JP (ed) Vol. 11.11. *Current protocols in cytometry*. John Wiley & Sons: New York, pp 1–15.

*Units:* Cell per mL.

*Sensor Precision:*

# Décrire quels types de données sont nécessaires pour vous compléter votre propre jeu de données **avant** envoi à la base de données, et estimer le délai avant la disponibilité de vos données pour la base de données / *Post-cruise data analysis/treatment required, and the time frame for this*

*Estimated Date of Delivery :* March 2017

### REFERENCES BIBLIOGRAPHIQUES

Marie D, Brussaard CPD, Partensky F, Vaulot D. (1999). Flow cytometric analysis of phytoplankton, bacteria and viruses. In: Robinson JP (ed) Vol. 11.11. *Current protocols in cytometry*. John Wiley & Sons: New York, pp 1–15.