FICHE META\_INFORMATION\_PARAMETRES

(à remplir par le responsable du paramètre)

### Nom du DATASET / Data SET NAME

*CHNS-Ensenada*

Particulate Organic Carbon.  
Particulate Organic Nitrogen.  
Particulate Organic Sulfur.

### PROJET-ETUDE / *PROJECT TITLE*

*Campaign NAME*: AMOP *LEG: 1*

*Date* *begin: January 26th, 2014*

*Date end: February 22nd, 2014*

*Chief Scientist*: Aurélien PAULMIER, Boris DEWITTE, Véronique GARCON

*Address:* Laboratoire d’Etudes en Géophysique et Océanographie Spatiales (LEGOS), UMR5566 CNES-CNRS-IRD-UPS,

14 av. Ed. Belin,

31 401 TOULOUSE

*Chief Mission*: Christophe MAES

*Address:*  Laboratoire d'Océanographie Physique et Spatiale (LOPS)

IFREMER -Centre de Brest

29280 PLOUZANE

### OPERATION *(if Relevant)*

*Sampling method:* Niskin bottles-rosette. *sampling in HDPE bottle at stations filtered on GF/F filters*

*Station number-Cast number: 8-01, 9-01, 10-01, 11-03, 11-06, 11-09, 11-11, 11-13, 12-01, 14-12, 25-05, 28-02, 28-05, 28-10, 28-17, 29-01, 30-01, 31-01, 32-01,*

*Operation code:*

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

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Nom / *name* | adresse /*address* | téléphone / *phone number* | fax /*fax number* | adresse mél /*email address* |
| Helmut Maske | Carretera Tijuana-Ensenada No. 3918 Fraccionamiento Zona Playitas Ensenada, Baja California, Mexico, CP 22860 | -52-646-1750500 ext 24260 |  | hmaske@cicese.mx |

### DATASET contact

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Nom / *name* | adresse /*address* | téléphone / *phone number* | fax /*fax number* | adresse mél /*email address* |
| Helmut Maske | Carretera Tijuana-Ensenada No. 3918 Fraccionamiento Zona Playitas Ensenada, Baja California, Mexico, CP 22860 | -52-646-1750500 ext 24260 |  | hmaske@cicese.mx |

### INFORMATION GEOGRAPHIQUES */ GEOGRAPHIC INFORMATION*

*Predefined site (if relevant):* Oxygen Minimum Zone (OMZ)

*Location:* Off Peru

*LATITUDE:* 7°50’S-14°34’S

*LONGITUDE:* 77°16’W-81°41’W

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

*Instrument Type:* High temperature combustion analyser CHNS

*Manufacturer:* ***Elementar***

***Model: VarioMicro Cube***

*Instrument Features / Calibration:* Sulfanilamid, range of weight of standards was approximately in the range of sample weights.

### 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:* Samples were collected from the Niskin bottles in HDPE bottles and pressure filtered (0.05 MPa) through precombusted (12 h, 450°C) glass fiber filters (Whatman GF/F, 25 mm). Filtered samples were folded, dried (60°C) and stored in Aluminium foil. Dried samples were transported at room temperature to Mexico and frozen (-20°C)

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

Samples were measured 16 months after sampling. Frozen samples were dried without prior acidification. Dried filters were packed in tin foil, compressed to minimize the air in the folded filters and injected into the instrument.

*Units:* µmol L-1(µM)

*Sensor Precision:* Correlation coefficients (r2) for measured peaks of POC and PON versus weight of standard was >0.99. The r2 for POS was 0.83 and had the highest coefficient of variation of GFF filter blanks (59%).

# 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 :*

### REFERENCES BIBLIOGRAPHIQUES

Graβhoff K. (Ed.) 1999. Methods of seawater analysis. Wiley-VCH