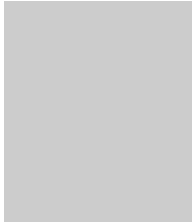


PERSONAL INFORMATION

**Nathalie Verbrugge**

 CLS, Parc technologique du Canal, 10-12 rue Hermès, 31520 Ramonville Saint-Agne, France

 +33 5 61 39 47 53

 nverbrugge@cls.fr

Sex F | Date of birth 27/04/1974 | Nationality French

WORK EXPERIENCE

Since 2012

Scientist Executive in the "In situ & Composites" Department of the Environmental Business Unit, CLS.

Expertise on the quality of the temperature and salinity in-situ profiles, validation/analysis of the content of the remote (SST) and in-situ datasets. Works done for the French Research Institute for Exploitation of the Sea (Ifremer) and the French Operational Oceanography Centre (Mercator-Ocean)

Expertise on the validation of the ocean models (scope of development of a Fisheries and Environment Monitoring Center in Indonesia). Technical specifications, monitoring and qualification of the software developments, test review, project documentation.

Expertise Eddies&Fronts (SHOM, APMB (Fisheries Ministry (Vietnam)))

Training: April, 2013: 15-day training session in Vietnam on oceanographic topics / May-July 2014 : 8-week training session of 3 Indonesian trainees

Expertise on a multi-observations composite 3D physical ocean product and responsible of the quality of this product in the frame of the Copernicus Marine Environment Monitoring Service (upgrade, production, validation, project documentation).

From 2009 to 2012

Scientist Executive in the Operational Oceanography Department of the Space Oceanography Division (DOS), CLS

Oceanographic studies (improvement of the atmospheric forcings for the Mercator-Ocean ocean model).

Eddies&Fronts expertise (SHOM).

From 2001 to 2009

Scientist Executive in the Operational Oceanography Department of the Space Oceanography Division (DOS), CLS. Sub-contractor Mercator-Océan.

The post is part of a team working on the Mercator ocean forecast project. It consists on the development of the Mercator re-analyses validation as well as the real-time validation of the different Mercator operational configurations from in-situ temperature and salinity observations, and other remote datasets.

Editing of the specifications and setup of a real-time validation for different MERCATOR operational configurations.

The job includes also participating in the redaction of the MERCATOR Newsletter.

Editor-in-chief of the MERCATOR Newsletter

EDUCATION AND TRAINING

From 1997 to 2001

Physical Oceanography Thesis: "Contribution de l'advection horizontale à la variabilité récente de la température de surface de l'Océan Atlantique Nord"

From 1996 to 1997

Paul Sabatier University (UPS) – LEGOS/OMP - Toulouse III

DEA Ocean, Atmosphere, Biosphere

Paul Sabatier University (UPS) – Toulouse III - France

From 1995 to 1996

"Maîtrise de Physique" (Earth Sciences option)

Université des Sciences & Technologies de Lille - Lille I University - France

PERSONAL SKILLS

Mother tongue(s) French

Other language(s)
 English: Good Technical level (reading, writing speaking)
 Spanish: Basic (scholar knowledge)

Other skills Equitation, mountain hiking

Driving licence B

ADDITIONAL INFORMATION

Publications Drevillon M., R. Bourdalle-Badie, C. Deval, Y. Drillet, J.-M. Lellouche, E. Rémy, B. Tranchant, M. Benkiran, E. Greiner, S. Guinehut, N. Verbrugge, G. Garric, C.-E. Testut, M. Laborie, L. Nouel, P. Bahurel, C. Bricaud, L. Crosnier, E. Dombrowsky, E. Durand, N. Ferry, F. Hernandez, O. Legalloudec, F. Messal & L. Parent, 2008: The GODAE/Mercator-Ocean global ocean forecasting system: results, applications and prospects, Journal of Operational Oceanography, Vol1, n°1, ISSN1755-876X.

Drevillon M., Y. Drillet, G. Garric, J.-M. Lellouche, E. Rémy, C. Deval, R. Bourdallé-Badie, B. Tranchant, M. Laborie, N. Ferry, E. Durand, O. Legalloudec, P. Bahurel, E. Greiner, S. Guinehut, M. Benkiran, N. Verbrugge, E. Dombrowsky, C.-E. Testut, L. Nouel, F. Messal, 2006: The GODAE/Mercator global ocean forecasting system: results, applications and prospects, Proceedings of the World Maritime technology conference.

Verbrugge N., & G. Reverdin, 2003: Contribution of Horizontal Advection to the Inter-annual Variability of Sea Surface Temperature in the North Atlantic. J. Phys. Oceanogr., 33 (5), 964 - 978.

Verbrugge N., 2002: Characteristics of water masses: re-analyses data compared with in situ observations. Mercator Newsletter, n° 6, July 2002, 1 - 7.

Verbrugge N. & G. Reverdin, 2002: Contribution of horizontal advection to the inter-annual variability of sea surface temperature in the North Atlantic. To be published in J. of Phys. Oceanogr.

Verbrugge N. & E. Greiner, 2002: In situ : premières confrontations systématiques. Lettre Trimestrielle Mercator, n° 4, janvier 2002, 11 - 16.

Verbrugge N., 2002 : Masses d'eau caractéristiques : la ré-analyse confrontée aux observations in situ. Lettre Trimestrielle Mercator, n° 6, juillet 2002, 1 - 7.

Reverdin G., N. Verbrugge, & H. Valdimarsson, 1999: Upper ocean variability between Iceland and Newfoundland 1993 - 1998. J. Geophys. Res., 104, 29, 599-29, 611.