



Additional references and follow-up projects in relation with the AMC project WPT1 OT-MED/AMC (2016-2019) « Aix-Marseille Carbon Pilot Study »

Last updated on 3 Decembre 2020

Student reports:

- Xueref-Remy, I., M. Milne, N. Zoghbi, C. Yohia, A. Armengaud, P.-E. Blanc, M. Delmotte, J. Piazzola, B. Nathan, M. Ramonet, C. Lac (2019), Understanding atmospheric CO₂ in the Marseille area from atmospheric CO₂ and meteorological observations, OT-MED final conference, Oct. 14-16th, 2019, Marseille, France
- Andreas Paya (2018), Impact de panaches de dioxyde de carbone et d'ozone sur la biosphère terrestre, Rapport de Master 2 Chimie Organique, Chimie Verte et du Vivant, AMU, direction: J.P. Mévy et I. Reiter, IMBE/ECCOREV.
- Mélissa Milne (2018), Etude de la variabilité du CO₂ atmosphérique en région PACA et en Méditerranée côtière, Rapport de Master 2 Océanographie spécialité Océanographie Physique et Biogéochimique, AMU, direction : I. Xueref-Remy, IMBE.
- Cathy Wimart-Rousseau (2018), Variabilité temporelle du système des carbonates et des échanges de CO₂ entre la mer et l'atmosphère en baie de Marseille, Rapport de Master 2 Océanographie spécialité Océanographie Physique et Biogéochimique, AMU, direction : T. Wagener et D. Lefèvre, MIO.
- Narimène Zoghbi (2017), Variabilité du CO₂ atmosphérique à Marseille, Rapport de Master 2 Océanographie spécialité Océanographie Physique et Biogéochimique, AMU, direction : I. Xueref-Remy et J. Piazzola, MIO.

Conferences:

- Xueref-Remy, I., M. Milne, N. Zoghbi, C. Yohia, A. Armengaud, P.-E. Blanc, M. Delmotte, J. Piazzola, B. Nathan, M. Ramonet, C. Lac (2019), Understanding atmospheric CO₂ in the Marseille area from atmospheric CO₂ and meteorological observations, OT-MED final conference, Oct. 14-16th, 2019, Marseille, France
- Lajaunie-Salla, K., D. Lefèvre, I. Xueref-Remy (2019) *Carbonate system and air-sea CO₂ fluxes dynamics at the regional scale of the Bay of Marseille (France) under natural and anthropogenic atmospheric forcing: a modelling approach (AMC project)*, OT-MED final conference, Oct. 14-16th, 2019, Marseille, France
- Wimart-Rousseau, C., D. Lefèvre, I. Xueref-Remy (2019) *Temporal variability of the carbonate system and air-sea CO₂ exchanges in the Bay of Marseille over a two-year period*, OT-MED final conference, Oct. 14-16th, 2019, Marseille, France
- Lajaunie-Salla K., Pinazo C., Lefèvre D., Wagener T., Wimart-Rousseau C., Yohia C., Xueref-Remy I., Armengaud A., Diaz F. Study of air-sea CO₂ fluxes variation at the regional scale of the Bay of Marseille (France), insights from the biogeochemical model Eco3M-CarbOx. ASLO Aquatic Sciences Meeting, 2019, San Juan (Porto Rico – USA).
- Xueref-Remy, I., M. Milne, N. Zoghbi, C. Yohia, A. Armengaud, P.-E. Blanc, M. Delmotte, J. Piazzola, B. Nathan, M. Ramonet, C. Lac (2018b), Atmospheric CO₂ variability in the area of the Aix-Marseille metropolis (France) and its coastal Mediterranean Sea at different time scales, The 1st IG3IS conference, WMO Geneva, Switzerland, 13-15 November 2018
- Xueref-Remy, I., M. Milne, N. Zoghbi, C. Yohia, A. Armengaud, P.-E. Blanc, M. Delmotte, J. Piazzola, B. Nathan, M. Ramonet, C. Lac (2018a), Assessing atmospheric CO₂ variability in the Aix-Marseille metropolis area (France) and its coastal Mediterranean Sea at different time scales within the AMC project, The 3rd ICOS scientific conference, Prague, Czech Republic, 11-13 Sept. 2018, https://conference.icos-ri.eu/wp-content/uploads/2018/09/ICOS2018SC_Book_of_Abstracts.pdf
- Xueref-Remy, I., Zoghbi, N., Yohia, C., Piazzola, J., Armengaud, A., Blanc, P.-E., Delmotte, M., Reiter, I., Ramonet, M., Philippon, C., Fournier, M., Gille, G., Lefèvre, D., Diaz, F., Pinazo, C., Wagener, T., Mévy, J.P. and Gauquelin (2017), T., Assessing the atmospheric forcing of CO₂ emissions issued by the AixMarseille metropolis region from a top-down approach : towards verifying bottom-up regional inventories and estimating the anthropogenic impacts on regional ecosystems, 10th International Carbon Dioxide Conference, Interlaken, Switzerland, 20-27 August 2017.

Publications in preparation (Atmospheric sub-project):

- Nathan, B., I. Xueref-Remy, C. Yohia, T. Lauvaux, C. Lac et al, *Direct modeling of atmospheric CO₂ in the south-east region of France*, in prep
- Milne, M., Xueref-Remy, I., N. Zoghbi, C. Yohia, A. Armengaud, P.E. Blanc, J. Piazzola, M. Delmotte, M. Ramonet and D. Combaz (2019) *Analyzing the atmospheric CO₂ variability in the Mediterranean region of the Aix-Marseille metropolis and its coastal region area at different time scales*, Atmos. Env., to be subm.

Follow-up projects:

- ANR COoL-AMmetropolis "Toward reducing CO2 emissions and the urban heat island of the Aix-Marseille metropolis" (PI I. Xueref-Remy, IMBE, 2020-2024)
- AGE "Évaluer l'Impact de la métropole Aix-Marseille sur l'Acidification de la baie de Marseille et les conséquences sur les microorganismes marins: approche par Modélisation" (PI K. Lajaunie, MIO, 2020-2022)