



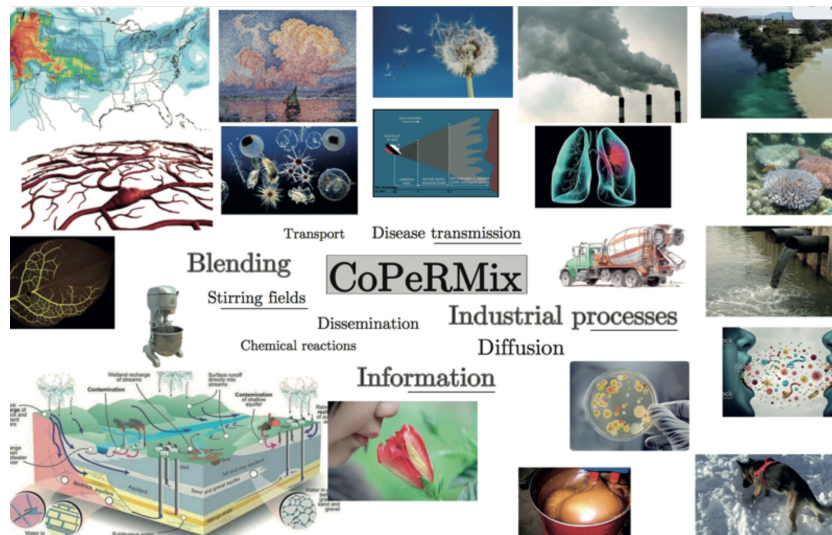
PhD position 2021 ITN Actions Marie-Sklodowska-Curie



Supervision: Bloen Metzger (CNRS) & Henri Lhuissier (CNRS)
Location: Laboratory IUSTI-CNRS, Marseille, France

We are currently looking for a PhD student, funded by the Marie-Curie European Training Network **CoperMix**, to study mixing in complex flows. This honorific PhD position is an excellent opportunity to do your research within a European-wide network of researchers, with a tailored plan of training activities and many possibilities of interactions.

The objective of the network is to develop a unified vision, numerical tools, and experimental techniques allowing the description and the quantification of mixing processes in complex flows, such as turbulent atmospheric or oceanic flows and those encountered in geo-porous, granular and biological media. The work at IUSTI will involve model experiments dedicated to understand fundamental mechanisms of mixing [1-2]. Contact us for more information.



The position is for 3 years with a net salary of 2200 Euros/month, an additional 340 Euros/month of mobility allowance and, if applicable, a 285 Euros/month additional family allowance. Candidates with a strong background in physics, fluid mechanics, soft-matter or chemical engineering are welcome to contact us (with CV and letter of support). **IMPORTANT RULE: the applicant must not have resided or carried out his/her main activity (work, studies, etc.) in France for more than 12 months in the 36 months immediately before the recruitment date.** **Benefits of a Marie-Curie PhD fellowship ?** Note that **14** other vacancies are presently available across our network, please check out our website <https://www.copermix-itn.eu>.

Contacts:

bloen.metzger@univ-amu.fr → <http://bloenmetzger.wordpress.com>

henri.lhuissier@univ-amu.fr → <https://perso.crans.org/lhuissierh/>

Refs: [1] Souzy, M., Zaier, I., Lhuissier, H., Le Borgne, T., & Metzger, B. (2018). Mixing lamellae in a shear flow. *Journal of Fluid Mechanics*. [2] Souzy, M., Lhuissier, H., Meheust, Y., Le Borgne, T., & Metzger, B. (2020). Velocity distributions, dispersion and stretching in three-dimensional porous media. *Journal of Fluid Mechanics*, 891, A16.