

## CV of Dr Christelle Not

### 1. Academic Qualification

- Ph.D. (2011) Environmental Sciences, UQAM, Canada
- M. Sc. (2005) Biology, UQAM, Canada
- B. Sc. (eq.) (2003) Life and Earth Sciences, Paris VI, France

### 2. Positions Held (Chronological Order)

- Assistant Professor, Earth Sciences Department & the Swire Institute of Marine Science, The University of Hong Kong (HKU), Hong Kong (06/2015- present)
- Researcher, GEOMAR & Academy of Sciences, Humanities and Literature of Mainz, Germany (06/2013-04/2015)
- Post-doctoral Fellow, Atmosphere and Oceanic Research Institute, The University of Tokyo, Japan (11/2010-03/2013)
- Graduate Intern, International Atomic Agency IAEA, Marine Laboratory, Monaco (01/2010-08/2010)
- Research Assistant, Radiochronology laboratory, University of Quebec at Montreal, Canada (01/2004-12/2009)

### 3. Research Areas Related to Ocean Science, Technology and/or Policy

Dr Christelle Not is an environmental geochemist. Her research interests focus on the impact of human on the ocean and the climate. She is actively working in paleo-climate reconstruction, paleoceanography and plastic and microplastic pollution

### 4. Funded Research Projects as Principal Investigator (PI), Co-PI or Co-Investigator (Co-I) over the Past 5 Years (Maximum 5 Projects):

- SIRMS 2.0: Establishing Asia's premier stable isotope ratio mass spectrometry laboratory in Hong Kong (as Co-I), HK\$ 3,804,007 funded by Collaborative Research Fund of Research Grants Council, the HKSAR Government (Jun 2019 - May 2022)
- Are crabs early warning sentinels of ecological degradation in mangroves? A case study on heavy metal pollution in Hong Kong mangroves (as Co-I), HK\$ 890,580 funded by General research Fund of Research Grants Council, the HKSAR Government (2019-2022)
- Monitoring plastic litter in the Hong Kong coastal environment: assessment of its sources and temporal variation (as PI), HK\$ 499,825 funded by Environment and Conservation Fund from the Hong Kong Environment Bureau (2019-2021).
- Evolution of the Western Arctic Ocean water stratification during the last climatic cycle (as PI), HK\$248,253 funded by the Early Career Scheme of the Research Grants Council, the HKSAR Government (2018-2020)
- Mechanisms responsible of plastic debris deposition in shallow marine coastal waters (as PI), HK\$ 200,000 Charitable Grant from Morgan Stanley Asia Limited (2018-2019)

## 5. Five Key Publications over the Past 5 Years (\*Corresponding author)

- Ho, N. H. Eand **Not C\***. 2019. Selective accumulation of plastic debris at the breaking wave area of coastal waters. Environmental pollution. 245, 702-710.
- Lui, Y., **Not, C.**, Jiao, J. J., Liang, W. and Lu, M. 2019. Tidal induced dynamics and geochemical reactions of trace metals (Fe, Mn, and Sr) in the salinity transition zone of an intertidal aquifer. Science of the Total Environment. 664, 1133-1149.
- Thibodeau B, **Not C**, Zhu, J, A Schmittner, D Noone, C Tabor, J Zhang and Z Liu. 2018. Last century warming over the Canadian Atlantic shelves linked to weak Atlantic Meridional Overturning circulation. Geophysical Research Letters 10.1029/2018GL080083.
- **Not, C\***. Thibodeau, B. Yokoyama, Y. (2018) Incorporation of Mg, Sr, Ba, U and B in high-Mg calcite benthic foraminifers cultured under controlled pCO<sub>2</sub>. Geochemistry, Geophysics, Geosystems, 19, 83-98.
- Yau, Y. Y, Thibodeau, B., **Not, C\***. (2018) Greenhouse gas emissions embodied in trade creates misinformation on emission-reduction targets in an import-reliant city. Environmental Research Letters. 13, 6, 064005.

## 6. Awards and Recognition

- Japan Society for Promotion of Science Postdoctoral Fellow (2012)
- International Atomic Energy Agency (IAEA) internship (2010)
- Best Paper Award of Canadian Journal of Earth Sciences / Geological Association of Canada (2008)