

IMPACT REPORT

The ticking time bomb of climate change and sea-level rise: Why human actions in the next 10 years can profoundly influence the next 10,000

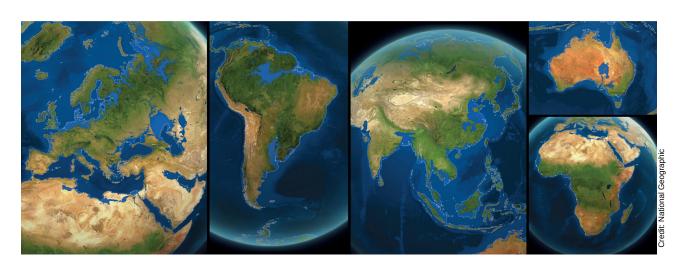
Science Commentary N° 2 - February 2017



Based on the seminal Nature Climate Change publication by Clark *et al.* (2016)*, EMB published its second Science Commentary in March 2017, entitled 'The ticking Time Bomb of Climate Change and Sea Level Rise: Why human actions in the next 10 years can profoundly influence the next 10,000'.

The first draft was already promoted by EMB member Marine Universities of France, at the UNFCCC COP22 in Marrakech in November 2016. The Science Commentary was officially launched on the occasion of the "China-EU Blue Year" meeting in Bruges and copies were shared with a delegation of officials from the State Oceanic Administration of China and the Chinese Representation to the EU. Hard copies were widely disseminated, including at the European Climate Research Alliance (ECRA) General Assembly and at the IOC-UNESCO 2nd International Conference on Marine/Maritime Spatial Planning, both in March 2017. Online dissemination included several networks and organisations' Tweets and newsletters, such as the European Polar Board and the IUCN Global Marine and Polar Program.

The main impact of this publications was the promotion of the central message that the climate change effects in global mean sea-level rise beyond 2100 shouldn't be disregarded and that the decisions we make in the next 10 years could profoundly affect the next 10,000. This is included in the IPCC Special Reports on Global Warming of 1.5 °C and on The Ocean and Cryosphere in a Changing Climate. The Dutch magazine NRC published an article based on the publication, promoting this message as well.





DISSEMINATION IN NUMBERS

These statistics are for EMB Science Commentary N° 2

Data collected for a period of 2 years from launch (February 2017 to September 2019)

TWEETS

From the EMB Twitter account and other accounts

NEWS RELEASES

By EMB highlighting the **Science Commentary**

ARTICLES

Based on the Science Commentary on websites and a magazine

789

HARD COPIES

Of the Science Commentary disseminated

European MARINE BOARD

The ticking time bomb of climate change and sea-level rise:





131

DOWNLOADS

From the EMB website (from September 2018)

PAGE VIEWS

On the relevant page on the EMB website

^{*} Peter U. Clark, Jeremy D. Shakun, Shaun A. Marcott, Alan C. Mix, Michael Eby, Scott Kulp, Anders Levermann, Glenn A. Milne, Patrik L. Pfister, Benjamin D. Santer, Daniel P. Schrag, Susan Solomon, Thomas F. Stocker, Benjamin H. Strauss, Andrew J. Weaver, Ricarda Winkelmann, David Archer, Edouard Bard, Aaron Goldner, Kurt Lambeck, Raymond T. Pierrehumbert and Gian-Kasper Plattner (2016). Consequences of twenty-first century policy for multi-millennial climate and sea-level change. Perspective article in Nature Climate Change 6: 360-369. DOI:10.1038/nclimate2923.