

Pursuit: A forecast of the timing, locations, sequence and likeliest destinations of populations displaced by sea level rise and coastal extremes

Time of Event:

Tuesday, March 27, 2018 - 09:00 to Thursday, March 29, 2018 - 17:00

"A forecast of the timing, locations, sequence and likeliest destinations of populations displaced by sea level rise and coastal extremes"

This is a closed meeting for a funded group of visiting scholars.

Over the coming centuries, the climate hazards with greatest potential to drive permanent human migration are the short- and long-term interaction of coastal extreme flooding and sea-level rise (SLR). Recognizing that large, sudden migrations can be destabilizing (e.g. Syrian Refugee Crisis and the Post-Katrina Diaspora), understanding when, where and how future SLR will drive the planetary redistribution of the human population is both a science need and a policy demand. To address these needs, this Pursuit will undertake an initial risk survey on sudden, large-scale migration around SLR impacts.

To accomplish this goal we will (1) stimulate expert-level multidisciplinary exchange on both the physical science of SLR-induced hazards, and human population dynamics; (2) employ our team's unique expertise developing key historical data sets, and model projections for both climate and population; (3) develop a novel global displacement "schedule" of the timing, locations, rate, and magnitude of coastal inundation and likeliest destinations of SLR-induced migration; (4) elaborate country-level assessments of risk for sudden, large-scale migration, i.e. times and locations in which certainty of SLR-related impacts is highest, and certainty of migration flow destinations is lowest; and (5) engage international climate policy processes, through our team's unique profile, with grounded scenario-building and decision-oriented knowledge products. Our team is uniquely capable of conceptualizing, modeling and characterizing uncertainty around local, short-term coastal extremes, long-term rises in sea level, and future migration destinations. On the basis of this fundamental knowledge, by the end of this Pursuit, we will have envisioned and tested intervention scenarios for avoiding negative humanitarian and development outcomes: a step in future migrants' journey toward new, safe places to call home.

To learn more about this Pursuit, click [here](#) [1].

Event type:

Project Meeting

Event Attendance:

Private Working Group

Source URL:

<https://www.sesync.org/events-announcements/wed-2018-01-10-1316/pursuit-a-forecast-of-the-timing-locations-sequence-and>

Links

[1]
<https://www.sesync.org/project/propose-a-pursuit/a-forecast-of-the-timing-locations-sequence-and-likeliest-destinations-of>