

## NEWSFROM THE UNIVERSITY OF TASMANIA, AUSTRALIA and CSIRO OCEANSAND ATMOSPHERE FLAGSHIP

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## Tuesday 12 M 2 2015

## Now and water shows sea level rising faster

Muter parts the classificities if a comparison accelerating.

Analysing a telline data and GPS maximum estimated and movement to refine the satellite record.

The analysis for a stellite data, with results nublished today in Nature Climate Change.

and Food, said the satellite measurements of global mean sea level provide a seminal climate record.

"This information is vital as communities around the world plan and respond to our changing climate," Dr Watson said.

"Previously, it was clear that the the first standard and was roughly double the rate determined over the past century – w' the transmission of tr

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ektive with maters for which that it is interview interview in the distance we want the iteration and with the

found to marginally overestimate the sea-level trend. The team's revised antient statement mean sea level rise for the satellite era (1993 to mid-2014) is approximately 2.6-2.9 mm per

<u>ຮະທະສຸດ ແມງຮະດີເຜີຍແມ່, ຮູບ້ເຄຍແຮງຊ່ຽມມາ</u>

The revised record actually increased over the satellite era (within the period 1993 to mid-2014). However, sea in the second se

result. the observed increase in the rate of rise is not vet statistically significant.

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<u>Co-</u><u>that projections are for up to a 98 cm rise by 2100 if</u> <u>poopareenhouse das emissions are allowed to continue unabated</u>.

Stringent mitigation of global emissions."

"Diright esclassion will need to occur," Dr Watson said.

"Agencies need to consider the impacts of accelerating sea levels and in the structure and the structu

"Australia is reliant on other countries for launching and maintaining satellite missions such as the satellite data through Australia's Integrated Marine Observing System ".

The paper, 'Unabated global mean sea-level rise ove <u>http://dx.doi.org/10.1038/nclimate2635</u>.