Our Next Vision – Insight for Economic Growth and Sustainability

A Climate Scientist’s Perspective

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AVERAGE GLOBAL TEMPERATURE FROM JANUARY TO SEPTEMBER 2017 WAS APPROXIMATELY 1.1°C ABOVE THE PRE-INDUSTRIAL ERA
Global temperature anomaly 1850-2017 relative to 1981-2010

~1 °C above pre-industrial

Hiatus?
Sea Level Rise

Updated: 26/10/2017
Climate risks, extreme events and related impacts 2017

- 2nd year of major bleaching in the Great Barrier Reef
- 30% of the world population face extreme heatwaves
- 41 million affected by floods in South Asia
- Major destruction in the Caribbean associated with successive hurricanes
- 80% of food insecure people live in natural hazard-prone areas
- Exceptionally heavy rains contributed to deadly landslides in Sierra Leone
- 760,000 drought & food security related internal displacements in Somalia
- Destructive wildfires around the world
Hato@Macao

Photo credit: Asia Times
Government Department

Vision

Be a model of excellence in protecting lives and building together a better society through SCIENCE

10,000/day
2016

100 billion
pageviews
1.12 million visitors 2015/16
Probably the first museum dedicated to climate change

~200,000 visitors in 4 years
Challenges
Letters to the Editor, September 28, 2016

**Carbon dioxide has beneficial role on earth**

I refer to the letter by Lee Sai-ming, senior scientific officer of the Hong Kong Observatory (“There is clearly a significant warming trend”, September 16).

The temperature record since 1885 based on the Observatory’s headquarters station, in spite of the well-known urban heat island effect, has failed to show a clear-cut warming trend.

Two long pauses in temperature rise can be seen from the record. The most recent pause is from 1998 to 2015 (17 years) followed by an even longer pause from 1966 to 1998.
2. Problem is not for us!
2. PROBLEM IS NOT FOR US!
3. CAN WE?
Mitigate Climate Change
Adapt to Climate Change
Sustainable Future