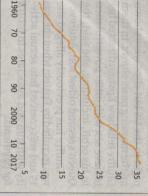
The causes

let alone sharply falling as needed There is little sign of this slowing, transport, industry and homes. from coal, oil and gas burning, in into the atmosphere every year Billions of tonnes of CO2 are sent

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CO2 bn tonnes an fossil fuel barning



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Global Carbon Project

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Porest destruction

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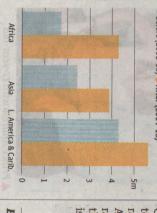
contributor to carbon emissions. It cattle, soy and palm oil is a big annihilation of wildlife on Earth. is also a major cause of the The felling of forests for timber,

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Average annual loss in million hectares before and after the New York declaration on forests Before (2001-13) . After (2014-18)

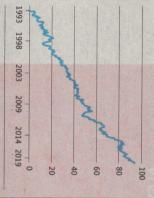


World Resources Institute analysis, Global Forest Watch Photographs by AFP/Getty Images By Damian Carrington and Cath Levett

Rising sea levels

will eventually see their cities 2C, one in five people in the world London to Shanghai. submerged, from New York to the temperature rise is restricted to respond to global heating, so even if expand. Sea levels are slow to ice on land melts and hotter oceans Sea levels are inexorably rising as

Millimetres Sea level rise



1980

1990 2000

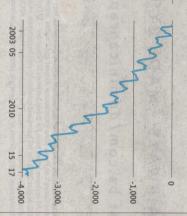
NSIDC/NASA

NASA Goddard Space Flight Center

ce melting in Greenland

Billions of tonnes

Andes to the Alps are also losing ice rapidly as glaciers shrink. A third of ranges from the Himalayas to the is already doomed. tonnes of ice since 2002. Mountain the Himalayan and Hindu Kush ice Greenland has lost almost 4tn



Shrinking Arctic sea ice

worsening heatwaves and floods in in the Arctic may be responsible for system. Scientists think the changes vicious circles in the climate of the sun's heat, causing more Eurasia and North America. darker water revealed absorbs more As heating melts the sea ice, the heating - one example of the

> they will become mainstream. cars are cheaper to run, suggesting sales are growing very fast. Electric those running on fossil fuels. But

The global fleet of electric cars and

Electric cars and vans

vans is still small compared with

Arctic sea ice

Million square km in September

hybrid cars, vans, light trucks Cumulative sales of battery and plug-in Electric vehicles



EV-volumes.com

2010

2012

2014

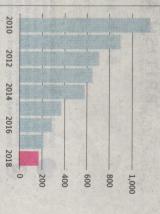
2016

2018

Battery prices

and the cost of batteries is hydrogen, will also be needed. technologies, such as generating or wind blows. So storage is vital depending on when the sun shines Renewable energy is intermittent, plummeting. But other

Real 2018 \$/kWh Lithium-ion battery cost



Wiese et al, NASA JPL GRACE

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