

NASA industry and domestic and foreign universities and research institutions. Last July, the central Chinese government released plans for the country to become the world leader in AI by 2030. In November, it announced that information-technology giants Baidu, Alibaba and Tencent would be partners in a national AI strategy. Google has also set up an AI research centre in Beijing.

## ENERGY

## Offshore drilling

The US Department of the Interior has reversed course on offshore drilling, proposing to open up most coastal waters for oil and gas development. The draft leasing programme for 2019–24, released on 4 January, would overturn extensive drilling restrictions put in place under former US president Barack Obama and allow for energy development on more than 90% of the US outer continental shelf. Under the proposed plan, the interior department would auction off 47 oil and gas leases over five years, including 16 leases along the east and west coasts — areas that have been off limits for federal leasing for more than three decades. The proposal opened to public comment on 8 January and faces opposition from environmentalists and many coastal states.

## PEOPLE

## UK science minister

Sam Gyimah was appointed UK minister for universities and science on 9 January, as part of a reshuffle of the Cabinet, the government's most senior decision-making body. Gyimah, who became a Member of Parliament in 2010, moves from the Ministry of Justice, where he was a junior minister. He campaigned for Britain to remain in the European Union in the 2016 referendum. The role of science minister will remain split between the Department for Education and the Department for Business, Energy and Industrial Strategy. Gyimah replaces Jo Johnson, who moves sideways to become a junior minister at the Department for Transport.

## Astronaut dies

John Young, one of NASA's most experienced astronauts, died on 5 January from complications of pneumonia. He was 87. Trained as a test pilot, Young (pictured) first flew in space in 1965 aboard *Gemini 3*. He orbited the Moon in 1969 on *Apollo 10*, and landed on the lunar near-side in the Descartes highlands in 1972 with *Apollo 16*. In 1981, he commanded the space shuttle *Columbia* on its maiden flight; two years later, he was commander of the first



Spacelab mission, focusing on scientific experiments. Young was the first person to have flown into space six times.

## French-agency head

France's Prime Minister Edouard Philippe has proposed Antoine Petit as the next president of the nation's main basic-science funder, the CNRS. Petit is currently chief of Inria, the country's research agency for computer science and applied mathematics. French President Emmanuel Macron endorsed the nomination on 3 January, but Petit will still need to be interviewed and approved by both houses of parliament before being formally appointed. With an annual budget of €3.3 billion (US\$3.9 billion), the CNRS is Europe's largest

basic-research agency. Petit would succeed Alain Fuchs, who left the job last October — four months before the end of his four-year term.

## CLIMATE CHANGE

## Extreme weather

Hurricanes, wildfires and other natural disasters caused a record US\$306 billion in damages in the United States in 2017, the US National Oceanic and Atmospheric Administration said on 8 January. Sixteen events each caused at least \$1 billion worth of damage, with Hurricane Harvey — which hit Texas in August — topping the list at \$125 billion. Other notable events included hurricanes Irma and Maria, wildfires in California and two tornado outbreaks in the central and midwestern United States. The previous record for damages — \$215 billion, adjusted for inflation — was set in 2005, the year that Hurricane Katrina devastated Louisiana, Mississippi and other parts of the US Gulf Coast.

## Climate panel back

A federal climate advisory committee disbanded in August by US President Donald Trump is being revived. Columbia University and the state of New York are re-establishing the committee to help businesses and state and local governments make better use of the US National Climate Assessment, which is scheduled for completion this year. New York governor Andrew Cuomo, co-chair of an alliance of US states that is committed to action on climate change, announced the state's support on 2 January. Columbia University's Earth Institute in New York City is hosting the effort, and 10 of the original 15 committee members have agreed to serve, including climate scientist and former co-chair Richard Moss.

## TREND WATCH

Half of women in science, technology, engineering and mathematics (STEM) jobs in the United States say that they have been discriminated against at work, according to a survey of nearly 5,000 people published on 9 January. That compares with 41% of women in other sectors. The survey also finds that more black people in STEM jobs (62%) than in other jobs (50%) report experiencing racial discrimination. Both groups say that negative stereotypes affect recruitment and promotion.

## DISCRIMINATION IN STEM JOBS

In the United States, 50% of women in science, technology, engineering and mathematics (STEM) jobs report experiencing discrimination at work.

