CO2 turned into stone

CLIMATE CHANGE BREAKTHROUGH

AFP, Washington

Scientists have turned carbon dioxide into stone in a matter of months by pumping it deep underground, offering a revolutionary new way of storing the greenhouse gas to tackle climate change.

The pioneering experiment in Iceland mixed CO2 emissions with water and pumped it hundreds of meters (feet) underground into volcanic basalt rock -- where it rapidly turned into a solid.

"We need to deal with rising carbon emissions. This is the ultimate permanent storage -- turn them back to stone," said Juerg Matter, lead author of the study, which was published Thursday in the journal Science. Carbon dioxide is a key factor in global

warming, and experts have long called for innovative "carbon capture and storage" (CCS) solutions. Previous attempts to inject CO2 into sandstone soils or deep saline aquifers have struggled, as they relied on capping rocks to hold the gas down -- triggering fears it could eventually leak. In contrast, the Carbfix project at

Iceland's Hellisheidi plant -- the world's largest geothermal facility, which powers Reykjavik -- sought to solidify the CO2. The plant produces 40,000 tons of CO2 a year -- just five percent of the emissions of a similarly sized coal plant, but still significant. In 2012, they began pumping 250 tons of CO2 mixed with water under-

Scientists had feared it could take hundreds or even thousands of years for the mildly acidic liquid to solidify. But 95 percent of the injected mixture -- which they had tagged with tracer chemicals in order to check it didn't leak out -- had became chalky

white stone within two years. "It was a very welcome surprise," said Edda Aradottir, who heads the project for



Reykjavik Energy.

Encouraged by the success, the company has scaled up the project and from this summer will be burying some 10,000 tonnes of CO2 each year, Aradottir said.

"This means that we can pump down large amounts of CO2 and store it in a very safe way over a very short period of time," said study co-author Martin Stute, a hydrologist at Columbia University's Earth Observatory.

Pressure mounts on IS group AGENCIES

Pressure mounted on the so called Islamic State group yesterday as anti-IS forces pressed on with triple offensives in Syria, Iraq and Libya.

TASTE OF

FREEDOM

A woman removes a

village after Kurdish

skirts of Manbij city,

forces took control

of it, on the out-

Aleppo province,

Syria, yesterday.

PHOTO: REUTERS

Nigab she was

wearing in her

Arab-Kurdish fighters backed by the United States yesterday cut the Islamic State group's main supply route between Syria and Turkey in a major setback for the jihadists. In Libya, forces loyal to unity government

bombarded the group in Sirte with heavy artillery as part of a push to recapture the jihadist bastion within days. And in Iraq, elite counterterrorism service

moved to within three kilometres of central Fallujah and consolidated positions in the south of the city, the operation's commander said. Meanwhile, a senior US official on Thursday

said efforts to choke off the finances of the IS have left it unable to pay its fighters and spurred corruption within the group.

Daniel Glaser, the Treasury's assistant secretary for terrorist financing, told Congress that a combination of bombing attacks on IS cash stores and oil shipments, locking it out of the banking system, and cutting off Iraq government cash flows to IS-controlled areas, has left the group struggling financially.

"As a result of these efforts, ISIL is struggling to pay its fighters and we have seen a number of ISIL fighters leaving the battlefield as their pay and benefits have been cut and delayed," he said, using the US's preferred acronym for Islamic State.

'Delete your

Clinton trolls Trump

"Delete your account."

tweet Thursday to her

Trump was among the

Hillary Clinton's snarky

White House rival Donald

funniest of the campaign.

Almost as funny as it was

The message by the 68-

year-old former secretary of

state -- actually written by a

young staffer, a Clinton

aide told AFP -- was in

broadside by Trump, who

had commented on how

"He wants four more

"Obama just endorsed

Crooked Hillary" on

years of Obama - but

nobody else does!" the

presumptive Republican

nominee added. When

media exploded.

Clinton trolled back, social

Within two hours her

200,000 times, making it

"the most retweeted tweet

of the campaign!" accord-

media director Alex Wall.

But it also triggered

her critics over use of a

ferocious comebacks from

private email account while

she served as America's top

diplomat -- a scandal she

has been unable to shake.

her judgment, saying she

she did not want

Americans to see.

put US national security at

Republicans including

Trump have savaged her for

ing to Clinton's social

message was retweeted

Thursday.

response to the latest

account'

on Twitter

awkward.

AFP, Washington

ous fronts in Syria and Iraq, where it established its self-declared "caliphate" in 2014. But the offensive in Libya means it is now under fire in every country in which it has major hold.

The extremists yesterday lost control of a vital supply artery when Arab-Kurdish forces completely surrounded a key jihadist-held town in Syria.

"The Syrian Democratic Forces (SDF) cut off the last road from Manbij to the Turkish border," said the Syrian Observatory for Human

OFFENSIVES IN SYRIA, IRAQ AND LIBYA

LIBYA UNITY FORCES POUND MILITANTS' BASTION OF SIRTE

US-BACKED FORCES CUT MAIN IS SYRIA-TURKEY SUPPLY ROUTE

IRAQ SPECIAL FORCES 3KM FROM FALLUJAH CENTRE

US SAYS IS CAN'T PAY FIGHTERS AS FINANCES CHOKED OFF

Rights, a British-based monitoring group.

Manbij lies at the heart of the last stretch of territory along Turkey's border still under IS control, and was a key point on the jihadists' supply line from Turkey.

Other secondary roads to the frontier are more dangerous and difficult to access, Observatory head Rami Abdel Rahman said.

The SDF also blocked the road south out of IS has come under growing pressure on vari- Manbij heading to IS's de facto capital of Raqa.

Syria's war has killed more than 280,000 people and displaced millions since it started in 2011 with the brutal repression of antigovernment protests.

In Libya, forces aligned with the UN-backed Government of National Accord (GNA) said they had pounded IS with "heavy artillery fire" targeting their positions around the sprawling Ouagadougou conference centre.

The loss of Sirte, the hometown of ousted dictator Muammar Gaddafi, would be a major blow to the jihadists at a time when they are under mounting pressure in Syria and Iraq.

The bombardment came a day after a spokesman for the GNA forces said they had pushed into the centre of Sirte, which IS has held since June 2015, and predicted that it could fall within days.

Foreign intelligence services estimate IS has 5,000 fighters in Libya but its strength inside Sirte and the number of civilians living in the city are unavailable.

Meanwhile, Iraq's elite counterterrorism service yesterday said its Fallujah offensive was progressing well.

Speaking to AFP from the edge of the city's Shuhada neighbourhood, Lieutenant General Abdelwahab al-Saadi said the operation to retake one of the Islamic State group's most emblematic bastions was imminent.

"We'll be there, in the very centre, in days. Days, not weeks," he said.

The operation to retake Fallujah, which lies only 50 kilometres west of Baghdad, was launched on May 22-23. Iraqi forces said more than 500 jihadists have been killed.

ALLEGED PLOT TO KILL PRESIDENT Maldives jails ex-VP

AFP, Malé

Former Maldives deputy leader Ahmed Adeeb has been jailed for 15 years for plotting to assassinate the president, the latest in a string of prosecutions of senior politicians and opposition figures in the troubled island nation.

Adeeb was convicted late Thursday of attempting to kil President Abdulla Yameen by setting off a bomb on his speedboat last September, his lawyer said. Two of the vice president's military bodyguards were also

convicted after the trial, which was held

behind closed doors. The verdicts mean almost all of Yameen's

key rivals are in jail or exiled from the Maldives. Adeeb's lawyer said he would appeal against the verdict. The verdicts come weeks after

Mohamed Nasheed, the country's first democratically elected president, was **Ahmed Adeeb** granted asylum in Britain. Nasheed was sentenced to 13 years in prison on controversial terrorism charges last year but was allowed to travel to Britain for surgery in January and was granted political asylum last month.

Adeeb, 34, was considered a close confidant of Yameen until he was dramatically impeached in November following allegations he was trying to topple the president.

Yameen escaped the blast unscathed, but his wife and two others were slightly injured. The FBI was called in to investigate the incident, but found no evidence the blast was caused by a bomb.

Kurdish group claims Istanbul bombing

AFP, Istanbul

Militant Kurdish group the Kurdistan Freedom Falcons (TAK) yesterday claimed a car bombing in the centre of Istanbul that killed 11 people, warning foreign tourists that Turkey was no longer safe for them to visit. The TAK -seen as a splinter group of the Kurdistan Workers' Party (PKK) -- said Tuesday's attack was revenge for operations by the Turkish army in the Kurdish-dominated southeast.

'New MH370 debris' found in Madagascar

BBC ONLINE

New pieces of debris have been found in Madagascar by a man searching for parts of missing flight MH370. One of the parts resembles an aeroplane seat part. MH370, flying from Kuala Lumpur to Beijing, had 239 people on board when it vanished in March 2014. The Malaysia Airlines flight is presumed to have crashed into the southern Indian Ocean after veering off course. A number of other pieces of debris, some confirmed to have come from

Indian aid worker

MH370, have been found in

countries near Madagascar.

REUTERS, Kabul

An Indian woman working

abducted in Kabul

for an international aid group has been abducted in the Afghan capital, Kabul, her family said yesterday and her country's foreign minister promised to do everything possible to rescue her. Judith D'Souza, who works for the Aga Khan Foundation, is believed to have been kidnapped on Thursday night, her sister, Agnes, told reporters in her home city of Kolkata, in eastern India.

'Honour Killing' Now, Pak couple killed in Lahore A Pakistani couple were murdered in Lahore yesterday for

marrying without their family's consent, according to officials, the second so-called "honour killing" in the South Asian nation this week. Muhammad Ashraf, 56, killed his daughter Saba and her

husband Karamat Ali a day after the couple returned to Lahore's Kahna area to smooth over rocky relations with the family, who disapproved of the marriage, according to police. "18-year-old Saba had married Karamat Ali, who is 35,

around a year and a half ago against the will of her family and returned to her home on Thursday night to settle matters with father and other family members," Falak Sher, a local police official, told AFP. Ashraf, a security guard by profession, opened fire on his

daughter and son-in-law after becoming infuriated during a heated conversation.

"He also killed his neighbour Muhammad Akram for supporting his daughter's marriage," said Sher, adding that Ashraf and his son Safdar later surrendered to police and confessed to the murders.

The incident comes just days after another woman in Lahore, Zeenat Bibi, was set on fire by her mother for marrying a man of her own choice. Bibi's mother later confessed to the crime.



A Palestinian woman is being checked at the Israeli checkpoint between the West Bank town of Bethlehem and Jerusalem, as Palestinians wait to cross to Jerusalem to attend the first Friday noon prayers of the holy Muslim fasting month of Ramadan at the Al-Aqsa mosque compound, yesterday. (Story on page 16) PHOTO: REUTERS

REMOVAL OF SAUDI-LED COALITION FROM CHILD RIGHTS BLACKLIST UN chief slams Saudis for 'undue pressure'

AFP, United Nations

UN Secretary-General Ban Ki-moon on Thursday criticized Saudi Arabia and its allies for resorting to "undue pressure" to remove the Saudi-led coalition fighting in Yemen from a UN blacklist by threatening to cut off funding. Ban's decision to take the coali-

tion off the list of child rights violators triggered a storm of protest from rights groups who charge the UN chief caved in to Saudi pressure and damaged the world body's credibility. In his first public remarks about

the uproar, Ban said he took the

"painful and difficult" decision when he faced the "very real prospect" that millions of children would suffer if countries defunded many programs.

risk, and have accused her of deleting key emails that

"Scrutiny is a natural and necessary part of the United Nations."

tion after concluding in a report released a week ago that it was responsible for 60 percent of the 785 children killed in Yemen last year.

United Nations, Ban announced on Monday that the coalition would be

scratched from the list of shame pending a joint review with the Saudi-led alliance. Saudi Ambassador Abdullah al-

Mouallimi denied that his government had put pressure on the United Nations to reverse its decision by threatening to cut off millions of dollars in funding.

"We did say that such a listing and such unfair treatment would obviously have an impact on relations," said Mouallimi. "But we did not use threats or intimidation and we did not talk about funding," he added.

five for life

AFP, New Delhi

Five men convicted of gangraping a Danish tourist in the Indian capital in 2014 were yesterday sentenced to life in jail, a prosecutor said, the maximum term possible. The were convicted on

Monday of assaulting the 52-year-old woman at knifepoint as she returned to her Delhi hotel, a crime that raised fresh fears about the safety of women in the city.

Shrivastava said the men were also given jail terms for more minor offences including robbery, which will run concurrently with the main sentence.

The victim in this case had approached a group of men for directions as she returned to an area popular with backpackers in January 2014.

Tourist Gang Rape India court jails Obama expands role of US forces in Afghanistan

Asks Pakistan to stop attacks on India using its soil AGENCIES

President Barack Obama has approved giving the US military greater ability to accompany and enable Afghan forces battling a resilient Taliban insurgency, in a move to assist them more proactively on the Pakistan last month. battlefield, a US official told Reuters.

The senior US defense official, who spoke on condition of anonymity, said the decision would also allow greater use of US air power, particularly close air support. However, the official cautioned: "This is not a blanket order to target the Taliban."

Obama's decision again redefines America's support role in Afghanistan's grind-

ing conflict, more than a year after international forces wrapped up their combat mission and shifted the burden to Afghan troops. It also comes ahead of Obama's eagerly anticipated decision on whether to forge

currently to 5,500 by the start of 2017. A group of retired generals and senior

diplomats urged Obama last week to forgo those plans, warning they could undermine the fight against the Afghan Taliban, whose leader was killed in a US drone strike in

Under the new policy, the US commander in Afghanistan, General John Nicholson, will be able to decide when it is appropriate for American troops to accompany conventional Afghan forces into the field - something they have so far only been doing with Afghan special forces, the official said.

Meanwhile, US yesterday asked Pakistan to ensure that its territory is not used for planning attacks in India, after Prime Minister Narendra Modi said terrorism is being "incubated in India's neighbourhood".

"This is one of the steps that the US is encouraging Pakistan to do for the improvement of its relations with India," a state ahead with a scheduled reduction in the department spokesman said on Thursday. numbers of US troops from about 9,800

"It is unacceptable for member-states to exert undue pressure," Ban told reporters.

The United Nations blacklisted the coali-

But in an embarrassing climbdown for the