

# Global Heating · Climate Change Newsletter

November 2022

## Introduction

### Pakistan reels from 'apocalyptic' floods

Aug 2022

In southern Sindh province's Khairpur, Zahid Ali Jalalani, a 35-year-old farmer, experienced nonstop rain for the past two months. The water level in his village rose slowly at first. Then came the flood.

One night, as he rested with his wife and two children in their single room home, a nearby canal burst, sending water crashing into houses. Some parts of his village were instantly submerged under 10 feet of water.

"At one time it seemed as if the walls were shaking, as if there was an earthquake," he said. "I thought this was the day of judgment, our last hours alive."

Multistory hotels crumbled into rising waters. Surging waves crashed into elevated roads and bridges. Over 1,500 people have been killed. More than 33 million people are affected – around one in seven of the population. Millions have lost their homes or been evacuated. And about 2,200 miles of roads have been destroyed.

Around a third of Pakistan is under water — that is an area greater than the whole of Japan. Just in Sindh province, two million acres of cultivated crops have been wiped out, and hundreds of thousands of livestock have been lost.

Ahsan Iqbal, the minister for planning and development: "The quality of life that people in the west are enjoying today, someone in the developing world is paying the price."

(It was reported in 2021 that the International Monetary Fund is controlling Pakistan's budget and forcing austerity programs on poor Pakistanis. Pakistan cannot decide how it spends its own money. The IMF is controlled by wealthy countries, including Japan.)

UN secretary-general António Guterres: "Let's stop sleepwalking toward the destruction of our planet by climate change. Today, it's Pakistan. Tomorrow, it could be your country."

Scientists say that the heat wave — up to 50° not long before the floods caused glaciers to melt and rivers to rise more than usual, and then came two months of heavy rain.

(All sources will be on the website [columban.jp](http://columban.jp))

### Simultaneous disasters

Aug 2022

The flooding in Pakistan is just the latest in a sequence of exceptional disasters in the Northern Hemisphere.

Western Europe and central and eastern China have experienced record-breaking heatwaves and droughts leading to water restrictions. China was plunged into an energy security crisis. Record-breaking heat extremes have also been recorded in Japan, the central US and in the UK, where temperatures exceeded 40°C for the first time.

It has also only been a few months since we saw temperatures reach 50°C ahead of the monsoon rains in northern India and Pakistan.

Severe downpours have caused floods in places ranging from Dallas in the United States to Seoul in South Korea, which experienced its heaviest torrential rain in a century.

Italy's longest river is flowing at one tenth of its usual rate.

## Other News

### Ex-BlackRock Executive Blows Whistle on Greenwashing

Mar 2021

"... sustainable investing boils down to little more than marketing hype, PR spin and

disingenuous promises from the investment community. Existing mutual funds are cynically rebranded as 'green' — with no discernible change to the fund itself or its underlying strategies — simply for the sake of appearances and marketing purposes.”

### Impact on the Pacific

Sep 2021

1 Countries could lose their exclusive economic zone or even their entire nation if island keys go under.

2 Even before islands go under, food productivity and security may be affected due to saltwater intrusion and coastal erosion.

Due to increased rates of high non-communicable disease, the productivity of people may drop.

The health system would come under strain.

3 National income from the sale of tuna fishing licenses will decrease if climate change moves their route to the east.

4 Among the most exposed to impacts of climate disasters, only 10% have insurance coverage. Their capacity to respond is limited and each event sends states into debt. Together with loss of life and property, this is creating an environment for civil unrest.

5 Enforced migration

Some countries already spend around 20% of the national budget on climate change.

When they seek climate finance, they have to develop complex project proposals.

If 3 to 5 years later they finally get the money, the need may have changed or their capacity to address the problem may have changed.

### Species being impacted

Oct 2021

Species are already being impacted by anthropogenic climate change, and its rapid onset is limiting the ability of many species to adapt to their environments. Climate change currently affects at least 10,967 species on the IUCN Red List of Threatened Species, increasing the likelihood of their extinction. The Bramble Cay melomys is the first mammal reported to have gone extinct as a direct result of climate change. Previously found only on the island of Bramble Cay in Great Barrier Reef, its habitat was destroyed by rising sea levels.

### US plastics to outstrip coal's greenhouse gas emissions by 2030

Oct 2021

The plastics industry in the US is on track to release more greenhouse gas emissions than coal-powered electricity generating plants by the end of the decade.

### Few willing to change lifestyle to save the planet

Nov 2021

Citizens are alarmed by the climate crisis, but most believe they are already doing more to preserve the planet than anyone else, including their government, and **few are willing to make significant lifestyle changes**, an international survey has found.

### Ocean heat at record levels

Jan 2022

Ocean temperatures set new heat records in 2021.

### Rising sea temperatures hit Indian fishing catch

Jun 2022

Rising sea temperatures are directly affecting the livelihoods of fishermen and fish sellers along India's western coast who now have to make do with a diminishing catch.

### The Gambia's oyster farmers hit by climate change

Jun 2022

Oyster farming in The Gambia is completely dominated by women, who harvest, process and market the oysters. They are now seeing their livelihoods slowly disappear - partly because of climate change, which is affecting the mangrove ecosystem where the oysters grow.

They are experiencing higher surface temperatures, rising sea levels, acidification and changes in ocean currents. If CO2 emissions remain high, by the end of the century oyster stocks are projected to decline by up to 80%.

### In Indonesia, apple crop affected

Jun 2022

As dark clouds gather in the morning sky, Indonesian apple farmer Ali Akhbar hurries to finish spraying pesticides onto his trees before yet another afternoon downpour. It is officially the start of the dry season in East Java Province, but non-stop rains have caused havoc for thousands of apple growers like Akhbar again this year — upsetting the flowering season, damaging blossoms and shrinking harvests. The unseasonable weather has also caused an increase in pests and diseases, forcing some growers to take out loans to keep up with the surging cost of pesticides to ensure years of work do not go to waste.

### 52-degree heat, relentless rain in cards if climate crisis unchecked

Aug 2022

Failure to address global warming could result in a third of the world's population facing temperatures exceeding 52 degrees and daily rainfall levels of 300 millimeters by the end of this century.

### Five 1,000-year rain events have struck the US in five weeks

Aug 2022

Five weeks. Five instances of 1,000-year rain events. Parts of the United States, especially in the West, are gripped by a devastating drought, yet many drought-stricken areas have experienced rare and extreme flooding over the summer – bringing fiercely different precipitation extremes to the region in a matter of hours.

### Arctic warming four times faster than rest of Earth

Aug 2022

The Arctic has warmed nearly four times faster than the rest of the planet over the last 40 years.

### Bad weather knocks Brazil's grain production

Aug 2022

Brazil's agricultural GDP declined by 8% in the first quarter of 2022 due to a severe drought. In Rio Grande do Sul, the southernmost state, 56% of last year's total soy harvest was lost.

<https://news.mongabay.com/2022/08/bad-weather-knocks-down-brazils-grain-production-as-exhaustively-forewarned/>

### Record drought, heat wave dries up river basins in areas of China

Aug 2022

China is experiencing its hottest heat wave ever, with temperatures exceeding 40 degrees for over a month mainly in the middle and downstream areas of the Yangtze River.

### Major sea-level rise caused by melting of Greenland ice cap is 'now inevitable'

Aug 2022

Major sea-level rise from the melting of the Greenland ice cap is now inevitable, even if the fossil fuel burning that is driving the climate crisis were to end overnight.

### Climate hazards linked to 58% of infectious diseases

Aug 2022

Climate hazards such as flooding, heat waves and drought have worsened more than half of the hundreds of known infectious diseases in people, including malaria, hantavirus, cholera and anthrax.

### World leadership failing on climate

Sep 2022

Perhaps the most heavily criticised outcome of COP26 was not only that the current pledges are still insufficient, but the fact that they still include plans to burn fossil fuels well past what is possible to limit warming to 1.5°C above pre-industrial levels.

According to the International Monetary Fund, in 2020 governments spent US\$450 billion in direct subsidies to the fossil fuel industry — four and a half times more than developed countries are willing to spend on financing climate change adaptation in vulnerable regions. The most confronting aspect of COP26 was the presence of fossil fuel lobbyists representing major oil and gas companies. Pacific Island negotiators were outnumbered by fossil fuel representatives by more than 12 to one. It's like the tobacco industry showing up to a lung cancer conference to promote their products.

### Disastrous climate tipping points passed?

Sep 2022

Five dangerous tipping points may already have been passed. These include the collapse of Greenland's ice cap, eventually producing a huge sea level rise, the collapse of a key current in the north Atlantic, disrupting rain upon which billions of people depend for food, and an abrupt melting of carbon-rich permafrost.

### 2022 Europe's hottest summer on record

Sep 2022

Europe has been battered by a string of heatwaves this year, with temperature records tumbling in many countries and the mercury topping 40 C for the first time in Britain.

### Climate migrants flee Iraq's parched rural south, but cities offer no refuge

Sep 2022

What happens when the land dries up? Iraq is learning the answers. First the farmers and the fishermen try to stay. Then, one by one, they reach their breaking point. Migration starts slowly, but the exodus to towns and cities soon swells, and so do tensions.

Temperatures have increased by about 6 degrees celsius in three decades, and in the summers the mercury now regularly hits 50 celsius. The heat is burning crops and desiccating marshes. As upstream dams in Turkey and Iran weaken the flows of the Tigris and Euphrates rivers, a salty tide is creeping north from the Persian Gulf, poisoning the land — and the jobs it once created.

### Megadrought in the American south-west

Sep 2022

In states from California to Colorado, extreme heat and dwindling moisture levels have converged to create a 'megadrought' deemed the driest period in 1,200 years.

### Jackson, Miss., shows how extreme weather can trigger a clean water crisis

Sep 2022

The water crisis unfolding in Mississippi's capital forced schools to shift to virtual learning, led to widespread distribution of bottled water and left the mostly Black population without adequate pressure to reliably flush toilets or fight fires.

A large, slow-moving storm swelled the Pearl River past flood stage and caused water to spill into the streets. The rainfall and subsequent flooding strained the city's primary water treatment plant; pump failures compounded the damage, leaving the city unable to provide a

steady flow of safe water.

## Causes

### World's wealthiest 'at heart of climate problem'

Apr 2021

The world's wealthiest 1% produce double the combined carbon emissions of the poorest 50%. The wealthiest 5% alone – the so-called 'polluter elite' - contributed 37% of emissions growth.

### How air conditioning is heating up the world

Jul 2021

Eric Dean Wilson's book *After Cooling: on Freon, Global Warming, and the Terrible Cost of Comfort* explores how air conditioning has become one of the most effective ways to cool off – and explains how harmful chemicals that make our lives comfortable also contribute to the climate crisis.

## Positive News

### Extinction Rebellion grandparents fighting for the future of their grandchildren

Mar 2021

They have been labelled "ferals", "anarchists" and "dole bludgers" but older members of the activist movement, Extinction Rebellion, say they are just ordinary people moving out of their comfort zone to protect their grandchildren from the devastating impacts of climate change.

"I don't have a choice," says Heath Greville, a 67-year-old grandmother of three who works at the University of Western Australia as a researcher in public health. "If you see your loved ones coming into harm, you step up to protect them."

### US climate activist dies after setting himself on fire outside supreme court

Apr 2022

A US climate activist has died after he set himself on fire outside the US supreme court building in Washington.

### XR scientists glue hands to business department in London climate protest

Apr 2022

Twenty-five scientists have pasted pages of scientific papers to the windows of the UK Department for Business, Energy and Industrial Strategy, and glued their hands to the glass to highlight the climate science they said the government was ignoring.

### Protesters continue to block UK oil terminals despite 100 arrests

Apr 2022

More than 100 people have been arrested as climate change protesters continued to block UK oil terminals as part of a campaign to disrupt the fossil fuel industry. Supporters of Just Stop Oil climbed on to tankers and glued themselves to roads.

### Protesters trail Scott Morrison and Labor MPs campaigning in Northern Territory

Apr 2022

Environmental protesters have picketed Scott Morrison and Labor politicians visiting Alice Springs. Protesters assembled at the prime minister's first media event of the day to protest fracking in the NT.

### How climate scientists keep hope alive as damage worsens

May 2022

University of Maine climate scientist Jacquelyn Gill says what's key in fighting eco-anxiety is

that “regular depression and regular anxiety tools work just as well. And so that’s why I tell people: ‘Be a doer. Get other there. Don’t just doomscroll.’ There are entry level ways that anyone, literally anyone, can help out. And the more we do that, ‘Oh, it actually works,’ it turns out.”

It’s not just about individual actions, like giving up air travel, or becoming a vegetarian, it’s about working together with other people in a common effort, Gill said. Individual action is helpful on climate change, but is not enough, she said.

Deke Arndt, chief of climate science and services at the National Oceanic and Atmospheric Administration’s National Center for Environmental Information, said what buoys him with an overwhelming optimism is his personal faith, and remembering all the people who have helped his family over the generations — through the Dust Bowl for his grandparents and through infertility and then neonatal issues for his son.

“We’ve experienced the miracle of hands-on care from fellow human beings,” Arndt said. “You kind of spend the rest of your life trying to repay.” “Where people are suffering not through their own purchase, that makes me want to recommit as a scientist and a Catholic,” Arndt said. “We’ve got to do as much as we can.”

### Eco-activists deflating SUV tires

Jul 2022

A group of Gen Z activists is targeting the tires of SUVs as frustration mounts over US inaction on the climate crisis.

### Scientists call on colleagues to protest climate crisis with civil disobedience

Aug 2022

Scientists should commit acts of civil disobedience to show the public how seriously they regard the threat posed by the climate crisis, a group of leading scientists has argued.

### Blockade Australia shut down Sydney

Aug 2022

Elizabeth is a retired Melbourne university administrator and researcher, and a grandmother, too. She's 74, but bristles with bright-eyed energy. She took part in a protest organized by Blockade Australia which stopped thousands of Sydney commuters from getting to work on time on June 27.

As part of the protest, a small white car parked across several lanes of Sydney's Harbour Tunnel at the North Sydney end, stopping thousands of commuters from getting to work on time.

"I figure that what I can do with the last couple of decades I've got of my life, [is] put myself on the line to make a noise and to keep attention focused on the issue," she says. "I can't not do this. I can't just sit at home, you know, being a retired granny. And not get out there and bloody do what I can," Elizabeth says.

### Patagonia's billionaire owner gives away company to fight climate crisis

Sep 2022

Patagonia founder Yvon Chouinard is giving the entire company away to fight the Earth's climate devastation. “As of now, Earth is our only shareholder,” the company announced. “ALL profits, in perpetuity, will go to our mission to ‘save our home planet.’”

## Solutions

### Rich nations must give up oil first

Mar 2022

Rich countries must end their oil and gas production by 2034 to cap global warming at 1.5 degrees Celsius and give poorer nations time to replace fossil fuel income.

### Energy efficiency guru Amory Lovins: ‘The largest, cheapest, safest, cleanest way’

Mar 2022

Temperatures dropped far below freezing in Snowmass, Colorado. But Amory Lovins, who lives high up in the mountains at 7,200ft above sea level, did not even turn on the heating. That's because he has no heating to turn on. His home, a great adobe and glass mountainside eyrie that he designed in the 1980s, collects solar energy and is so well insulated that he grows and harvests bananas and many other tropical fruits there without burning gas, oil or wood.

Lovins, an adjunct professor of civil and environmental engineering at Stanford University, has been one of the world's leading advocates and innovators of energy conservation for 50 years.

The most energy-inefficient design of all, he says, may be nuclear power, which is heavily subsidised, costly and pushed by a politically powerful lobby. But Lovins demolishes the technology with statistics. "In 2020 the world added 0.4 gigawatts more nuclear capacity than it retired, whilst the world added 278 gigawatts of renewables – that's a 782-fold greater capacity. Renewables swelled supply and displaced carbon as much every 38 hours as nuclear did all year. Where nuclear is cheap, renewables are cheaper still and efficiency is cheaper than that. There is no new type or size or fuel cycle of reactor that will change this. Do the maths. It is game over."

### Lots of low- and no-cost ways to halt global warming

Apr 2022

Not only do we have the tools to slash emissions and curb global warming by 2030, but half of available carbon-cutting options are cost-free or very cheap, U.N. climate experts say. There are four key areas where the total potential for carbon reduction is highest between now and the end of the decade -- solar and wind energy, reductions in deforestation, and restoration of forests and other ecosystems.

### Progress in China

Aug 2022

China leads the world in "wind and solar installation, in wind and solar manufacturing, in electric vehicle production, in batteries, in hydro, in nuclear, in ground heat pumps, in grid transmission and distribution, and in green hydrogen. They literally lead the world in every zero-emissions technology today."

Last year the US boasted that it was on track to deploy about 30 gigawatts of new renewables. In China, the figure could be as high as 180 gigawatts. Last year China alone accounted for 46% of the world's new construction of renewable energy infrastructure.

### North Sea wind farm claims title of world's largest

Aug 2022

The world's largest offshore wind farm is now fully operational, 55 miles off the coast of Yorkshire. The Hornsea 2 project can generate enough electricity to power about 1.3 million homes.

### Dutch city becomes world's first to ban meat adverts in public

Sep 2022

Haarlem's move is part of efforts to cut consumption after meat was found to contribute to climate crisis.

**JAPAN**

**Situation**

### Japan CO2 levels hit record high in 2020

March 2021

The Japan Meteorological Agency announced on March 29 that the concentration of carbon dioxide surrounding Japan kept rising in 2020 and recorded the highest levels since the agency started observations.

### Japan ranked 4th

Apr 2021

Germanwatch, a German think tank, compiled rankings of countries most affected by climate change in 2019. Japan ranked fourth after Mozambique, Zimbabwe and the Bahamas, owing to a number of powerful typhoons and a record-setting summer heat wave.

## Effects

### Mercury climbs to record 40.1 C

Jun 2022

Temperatures climbed in Tokyo and surrounding areas on Saturday, with the city of Isesaki in Gunma Prefecture registering 40.2 C, a national record high for June.

## Government

### Japanese prefecture declares climate emergency, net zero GHG emissions by 2050

Feb 2021

Iwate Prefecture declared a 'climate emergency' to combat global warming, and pledged to cut local net greenhouse gas emissions to "virtually zero" by 2050.

### Japan needs a major carbon tax hike

Jan 2022

Japan needs to significantly increase its carbon tax as soon as possible in order to get on track for meeting its climate goals, according to a former senior official at the Finance Ministry. Japan's current levy on fossil fuel charges ¥0.76 per liter. Rintaro Tamaki says that level needs to be raised significantly to encourage behavioral change among consumers.

### Japan had IMF delete mention of coal in report on its economy

Feb 2022

The Japanese government had the International Monetary Fund delete a sentence on the country's apparent pledge to phase out support for overseas coal projects in a staff report released last month. The deletion was made at the request of the Ministry of Economy, Trade and Industry, which places an emphasis on exports of coal-fired power plants.

### Japan halts aid for coal-fired plants in Indonesia, Bangladesh

Jun 2022

Japan will stop providing yen loans for the construction of coal-fired electricity plants in Indonesia and Bangladesh.

### Japan scrambled aircraft 4.5 times more this May than last

Jun 2022

The Air Self-Defense Force scrambled fighter jets on 119 occasions in May, about 4½ times more than the 26 cases in the same month last year.

## Industry

### Mitsubishi pulls out of Vietnam coal plant amid climate concerns

Feb 2021

Mitsubishi Corp. has decided to withdraw from the Vinh Tan 3 coal-fired power plant project in Vietnam.



### Japanese aviation industry gets serious about going green

Aug 2021

The Japanese aviation industry is making serious efforts to cut carbon dioxide emissions as the government has declared a goal of achieving carbon neutrality in the country by 2050. "We cannot survive unless we become an eco-friendly mode of transport," Chikako Miyata, a senior official at ANA Holdings Inc., said.

### Tokio Marine to back out of thermal coal mining projects

Sep 2021

Tokio Marine Holdings will stop underwriting and financing new coal mining projects that generate thermal power in Japan and abroad from October.

### Ricoh Group

Jan 2022

The Ricoh Group says it is on track for a 63% reduction of its Scope 1 and 2 emissions -- those coming from its direct operations and the energy they consume -- by 2030. That is important, it says, since clients in Europe and the U.S. increasingly demand carbon neutral products.

### Toyota to sell 3.5 million electric vehicles in 2030

Jan 2022

In Japan, electric vehicles have yet to spread widely. Toyota Motor Corp., which had been hung up on hybrid cars, has shifted gears, announcing its plan to sell 3.5 million electric vehicles in 2030.

### Why Toyota was rock bottom in Greenpeace's automaker decarbonization ranking

Jan 2022

In its Auto Environment Guide 2021 report released in November last year, international environmental advocacy group Greenpeace ranked Toyota Motor Corp. -- the largest automaker by sales not just in Japan but in the world -- last among the 10 biggest car companies for its decarbonization efforts.

### Japan urged to reconsider carbon dioxide storage

Feb 2022

A British research group has urged Japan to reconsider promoting carbon capture and storage and a so-called integrated gasification combined cycle, as such technologies are not only costly but do not significantly cut the country's carbon dioxide emissions. TransitionZero said Japan instead should focus more on offshore wind power.

### Japan plans first carbon capture and storage project

May 2022

Japanese oil refiner Eneos Holdings and utility J-Power have joined forces to launch the nation's first permanent carbon capture and storage operation by the end of this decade.

### J-Power shareholders snub green plans from asset managers

Jun 2022

Shareholders in Japan's largest coal-power operator on Tuesday voted down proposals from three top global asset managers for clearer environmental goals at the company,.

### Japanese firms look to plant-based, carbon-neutral 'biocoke' fuel to cut CO2 emissions

Jun 2022

Biocoke, a solid fuel made from vegetable waste materials, is attracting attention as one technology to help push the shift to a decarbonized society. Developed in 2005 by Kindai University, it is a "dream solid fuel" that is said to emit virtually no carbon dioxide (CO2) when burned.

## CATHOLIC

### Colombo Cardinal tackles Sri Lanka's environmental destruction

Jan 2021

Cardinal Malcolm Ranjith of Colombo, the outspoken leader of the Sri Lankan Church, addressed environmental issues in his archdiocese regarding the Muthurajawela development project in Muthurajawela, a wetland 30 kilometers north of Colombo.

### Jakarta Cathedral switches to solar power

Jan 2021

Cathedral wins recognition as the first church in Indonesia to use the sun to meet its energy needs.

### Lenten reflections focus on climate change as urgent moral issue

Feb 2021



Fr. Emmet Farrell, right, carries a banner for the Diocese of San Diego's creation care team network during a climate march.

### Bishop leads effort to go carbon neutral

Feb 2021

The diocese of Salford has launched a research project that Bishop Arnold hopes will “put a Catholic diocese on the path to carbon neutrality.”

The Tablet

### Climate crisis, displacement and solidarity

Apr 2021

Climate change and environmental destruction are forcing millions from their homes, and Catholics have a duty to assist them, Pope Francis wrote in the preface to a new document

'Pastoral Orientations on Climate Displaced People'.

### US priests' association promotes "turning the pulpit green"

Sep 2021

It is "time to turn the pulpit green," said Michael Bausch, who has an active role in the leadership of the country's largest group of Catholic priests. "The Climate Crisis is a spiritual, moral, religious issue."

### Catholic environmentalist says his hunger strike is an act of faith

Jan 2022

A 27-year-old French Catholic and 11 other activists, including a Europarliamentarian, have been on a hunger strike since January 7 in the name of climate emergency. Arnaud Chambat says his hunger strike is an act of faith.

### Philippines Church refuses donations from extractive industries such as coal and gas

Feb 2022

The Philippines Catholic Church has published a document, 'A Call for Unity and Action amid a Climate Emergency and Planetary Crisis', that will initiate a non-acceptance policy of donations from extractive industries such as coal and gas projects, logging, quarrying and mining.

The Tablet

### Delia Smith to write book on spirituality and climate change

Mar 2022

One of the world's best-selling cookery writers, Delia Smith, has decided to write a book about spirituality and climate change.

The Tablet

### Korean Church protests

Jun 2022

Every Friday the Korean chapter of the Laudato Si' Movement organizes protests against coal and nuclear power plants.

Laudato Si' World (email)

### US Catholic bishops press Congress to pass \$555 billion climate legislation

Jun 2022

The U.S. bishops threw their support behind federal legislation that would direct roughly a half-trillion dollars to address climate change, writing to lawmakers in Washington that "this is a critical time" for climate investments and the proposed bundle of policies "offer a comprehensive path to achieving net zero emissions."

### Catholic bishops in East Africa look to implement Laudato si'

Jul 2022

The Catholic bishops of some 130 dioceses located in eight East African countries gathered in the Tanzanian city of Dar es Salaam to discuss ways to best implement Laudato si'.

### Humanity has 'moral obligation' to fight climate change, pope says

Jul 2022

The care of the environment and the fight against climate change is not a lofty goal for humanity but a moral imperative, Pope Francis said.

### Vatican commits to Paris Agreement

Jul 2022

The Holy See has announced that, on 6 July, its Permanent Observer at the United Nations deposited before the Secretary-General of the United Nations the Instrument with which the

Holy See, in the name and on behalf of Vatican City State, accesses to the United Nations Framework Convention on Climate Change.

### Good Samaritan community commits to Laudato Si' Action Goals

Jul 2022

The Sisters of the Good Samaritan have launched their seven Laudato Si' Action Goals, designed to help them turn their long-time commitment to caring for creation into day-to-day practical actions at both a congregational and a personal level.

### Laudato si' guides Indian archdiocese to help fisherfolk

Sep 2022

The Catholic Archdiocese of Trivandrum in southern India takes on the government and a multinational over construction of a seaport amid concerns for the environment.

## CATHOLIC — JAPAN

### Japanese Bishops: Missing in Action



## Things We Can Do

### 52 ways to care for creation

The Laudato Si' Movement has come up with 52 ways for you, your family, and community to pray and take action for God's creation.

### Suggestions from a Japanese Climate Expert

- 1 Make it personal. Talk with those who'll be most affected: your children and grandchildren. Keep a sense of crisis as a family.
- 2 Get news from overseas and tell people in your community. Take part in demonstrations.
- 3 Support industry, politicians and bureaucrats who are responding positively to the crisis. Support industry promoting renewable energy by buying their products and shares. Vote for politicians, governors and mayors who will phase out coal-fired power plants by 2030.
- 4 Choose low energy appliances, buildings, etc.; buy electricity generated from renewable sources (solar, wind, etc.); use public transport; produce locally — consume locally (especially food).