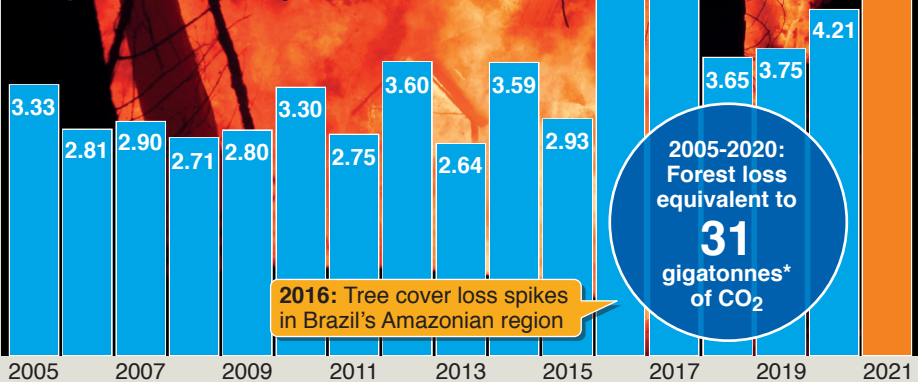


# 2021 – Freeze, fry, flood and fire

Jun-Oct 2021: Fires in Canada and U.S. burn more than 7 million hectares

>7

Primary forest loss  
(Millions of hectares)



2005-2020:  
Forest loss  
equivalent to  
**31**  
gigatonnes\*  
of CO<sub>2</sub>

2016: Tree cover loss spikes  
in Brazil's Amazonian region

**Mar 15. Duststorm:**  
Worst sandstorm  
in 10 years hits  
China's capital, **Beijing**,  
pushing air pollution levels  
to 160 times recommended  
limits



**Jun-Oct. Wildfires:**  
**Canada and U.S.**  
endure summer of  
catastrophic fires, with more  
than seven million hectares  
of land burned.  
In Canada alone, 4.2 million  
hectares of wildlands are  
lost – 61% more than  
10-year average.  
On June 29, temperature  
in **Lytton, British Columbia**  
hits 49.6°C – all-time  
Canadian record



**Jun-Jul. Pacific  
heat dome:** Extreme  
heat wave hits  
**Western North  
America**, caused by  
rising Pacific ocean  
temperatures



**July 14-15.  
European floods:**  
Western Europe  
receives up to two months  
worth of intense rainfall in  
two days. Severe flooding  
claims 242 lives, with 184  
deaths in hardest-hit  
Germany. Damage expected  
to exceed **\$10 billion**



**Jul 21-Aug 9.  
Wildfires:** Greek  
islands of **Evia** and  
**Rhodes**, as well as forests  
north and southeast of  
**Athens** and parts of  
**Peloponnese peninsula**  
ravaged. Most severe heat  
wave in decades sees  
temperatures reach  
over 40°C



**Jun 22. Heatwave:**  
Russian capital,  
**Moscow**, reports  
highest temperature  
in 100 years, with mercury  
hitting 34.7°C. Average  
June temperatures are  
three degrees higher  
than normal



**Mar 17-26.  
East Australia:**  
Worst flooding  
in six decades – in single  
week some 81,900 billion  
litres of water fall in  
**New South Wales**



**Apr 3-12. Cyclone  
Seroja:** At least  
272 people killed  
when tropical cyclone  
devastates **Indonesia**,  
**East Timor** and **Western  
Australia**



**Jan 7-9, 2021.  
Storm Filomena:**  
Record-breaking  
levels of snow fall over parts  
of **Portugal** and **Spain**.  
Heaviest snowfall in 50 years  
kills five people and causes  
damage estimated at  
**US\$2.2 billion**



**Jan 28-31.  
Cyclone Ana:**  
Category two storm  
slams into South Pacific  
islands of **Fiji** with winds up  
to 140km/h and 500mm of  
rain. More than 7,600 people  
take shelter in evacuation  
centres during widespread  
flooding



**Feb 11-20.  
Valentine's week  
storms:** More than  
4.2 million people across  
U.S. south-central states  
left without electricity.  
Temperatures drop to -11°C  
in **Houston, Texas**. Death  
toll officially put at 223