

30 AUGUST 2023

PRESENTATION – BOAO FORUM FOR ASIA PERTH 2023

Fortescue Metals Group Ltd (Fortescue, ASX: FMG) advises that Executive Chairman, Dr Andrew Forrest AO, is presenting at the Boao Forum for Asia Perth on Wednesday, 30 August 2023. A copy of the presentation is attached and a recording of the presentation will be available on Fortescue's website at www.fortescue.com.

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Additional Information

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What's the chance of 1.5°C holding?

1 in 50

**We have better odds
in roulette (1 in 36)**

But this misses the point

There is now an immediate threat

It is much more lethal than COVID

The fossil fuel industry admits global temperatures are rising

Supran et al (2023)

But there's something they're not telling you...

Something else is rising

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Much faster

And it's already killing people

Could your health already be at risk?

Yes

Humanity is at risk

Now

Buzan and Huber (2020) & Kang and Eltahir (2018) & Zhang et al (2021) & Saeed et al (2021) & Wang et al (2021) & Vecellio et al (2022) & Freychet et al (2020)

Can you escape if you live in a city?

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Sure, until the air conditioning fails

Sherwood and Huber (2010)

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**You're young and
work outdoors
Are you safe?**



You're at extreme risk

Im et al. (2017) & Abokhashabah (2020) & Vecellio et al (2022) & de Lima et al (2019)
& Foster et al (2020) & Morris et al (2021)

**So are children, grandparents
and people who are already ill**

Why?

Lethal humidity

Im et al (2017) & Saeed et al (2021) & Wang et al (2021) & Vecellio et al (2022) & Buzan and Huber (2020) & Kang and Eltahir (2018) & Zhang et al (2021) & Raymond et al (2020) & Freychet et al (2020) & Wang et al (2020)

Normally your sweat cools you down

Osilla et al (2023) & Kovac (2010) & Raymond et al (2020)

But if it's too humid...

Your sweat can't evaporate

Your body heat can't escape

Your core temperature starts to rise

Raymond et al (2020) & Vecellio et al (2022)

**At just 35°C, with high humidity,
you can die in six hours**

But even temperatures as low as 31°C can kill

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Lethal Humidity is already here

Columbia University & Saeed et al (2021) & Raymond et al (2020)



But it's rising

**For every degree our planet
warms, humidity rises 7%**

Lethal Humidity will be the next global pandemic

Health care systems are straining They will fail

Filip et al (2022)



This time, there's no cure

Your heart rate accelerates

Pounding headache

Vomiting

**Your heart pumps up to 400%
more blood than normal**

Within minutes to hours...

**Your body temperature
will rise to a very dangerous**

41°C

**This is the beginning
of the end**

The tiny structures that enable you to be alive unravel

Like an egg, they can't
be uncooked



You bleed internally

Your blood thickens

Harvard Medical School & Kenny et al (2010)

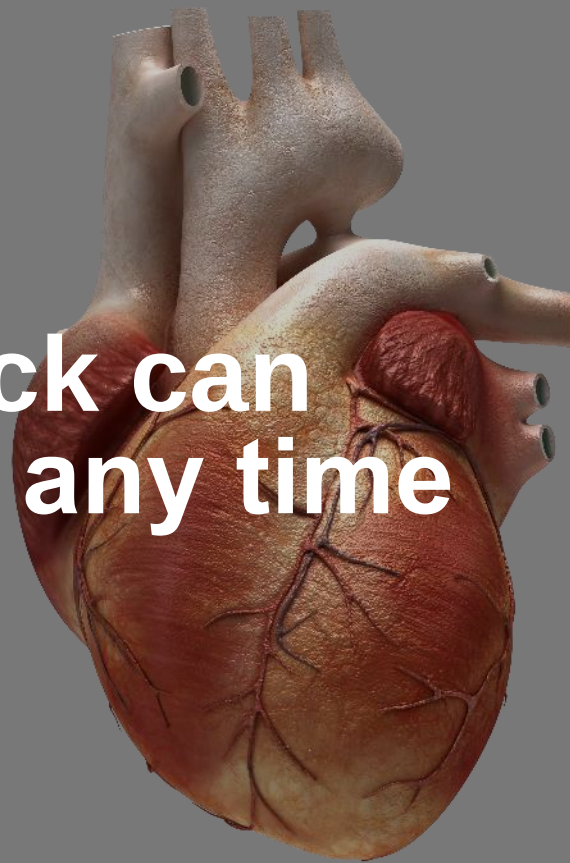
Your organs start to fail

Hallucinations

Seizures

Coma

Heart attack can happen at any time



You struggle to breathe

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If you've made it to hospital...

**You can have a
“cardiopulmonary bypass”**

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**Your blood is drained, cooled
then put back in your body**

Harvard Medical School



Fortescue

Even if you get to a hospital...

You're more likely to die than survive

If you don't make it to hospital

You die

Ebi et al (2021) & Sherwood and Huber (2010) & Im et al (2017)

A photograph of a brown and white cow standing in a green field. A small white lamb is perched on the cow's back, facing forward. The background shows rolling green hills and a line of trees under a clear sky.

**All mammals (including you)
have a new, real and current
danger**

Sherwood and Huber (2010) & Coffel et al (2018)

The most affected countries are the biggest: China, India and the USA

Where much of the world's food comes from

Saeed et al (2021) & Mishra et al (2020) & World Population Review

But also

West Africa
South America
All of Asia
Australia
Central Europe
Middle East

Coffel et al (2018) & Freychet et al (2020) & Buzan and Huber (2020) & Kang and Eltahir (2018) & Zhang et al (2021) & Saeed et al (2021) & Wang et al (2021)

What happens next?

Stampede migration, survival behaviours and border collapse

Horton et al (2021) & Xu et al (2020) & Carril et al (2022)

Think Central to North America

Border walls fail

Wall between California and Tijuana Baja California

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Mexico Heatwave June 2023

Think Africa to Europe

For personal use only

Ethiopia Droughts January 2023

Think across Asia

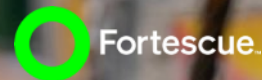


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Ballia India Deadly Heat June 2023

For personal use only

Xinjiang China 52.2°C Heat
July 2023



Zhouzhou China Flooding August 2023





Buan, South Korea Dangerous Humidity
August 2023

The world has Stockholm Syndrome

We are tied to fossil fuels

**We think we can't survive
without them**

But we can...

And we must

The origination of global warming is the industrial world

One major company must go first

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The image is a split-screen composition. The left half shows a large-scale coal mining operation in a dry, red-soiled landscape. A prominent conveyor belt system extends from the top left towards the center. The right half shows a wind farm with several large, white, three-bladed turbines situated on rolling green hills under a clear blue sky. In the center, where the two images meet, the text 'We are Fortescue' is displayed in a large, white, sans-serif font. The background of the entire image features a pattern of overlapping, semi-transparent circles in shades of blue and green.

We are Fortescue

We are completely decarbonising



Real Zero by 2030

**Decarbonisation
underway**

**US\$10 billion
EBITDA** (FY23)

Iron Ore & Critical Minerals

Green steel,
battery metals,
proof of delivery

Green Energy

Technologies, electrons,
innovation, social license

Creating green energy to replace fossil fuels

Designing green tech to enable Real Zero

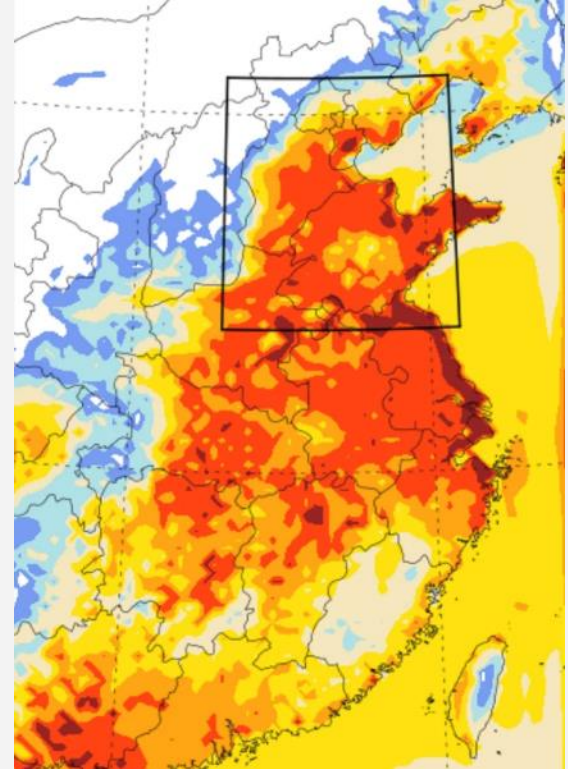
**We are asking China, the USA
and India to do no more than this**

Large parts of China, the USA and India are warming faster than the global average

US Environmental Protection Agency (EPA) & Kang and Eltahir (2018)

Lethal Humidity conditions are already occurring in parts of East China

Red marks where Lethal Humidity will happen, as it gets worse



North China Plains (400 million) China's “food bowl”

Freychet et al (2020) & Kang and Eltahir (2018)

**One of the most densely
populated regions in the world**



Yangtze River Valley

Kang and Eltahir (2018) & Freychet et al (2020)

Southeastern China

Wang et al (2019)

Shanghai, Weifang, Jining, Qingdao, Rizhao, Yantai and Hangzhou

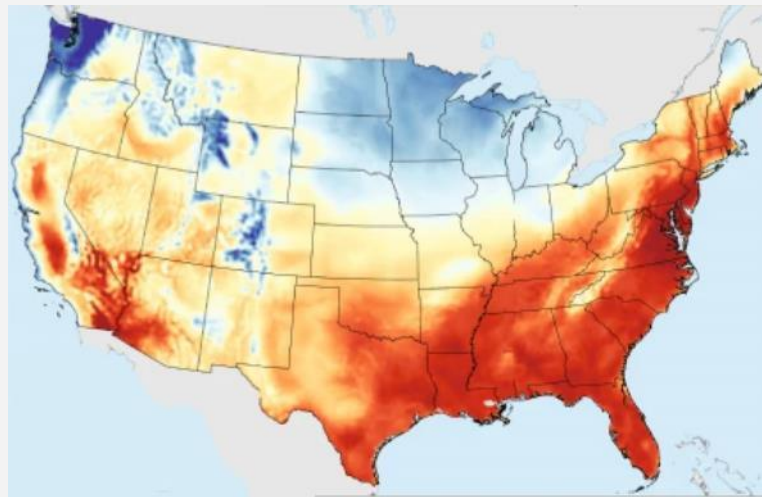
Freychet et al (2020) & Kang and Eltahir (2018)

In the USA, Lethal Humidity occurs at 1.5°C warming

Buzan and Huber (2020) & Freychet et al (2022) & Dawei Li et al (2020)

Southeast USA is most at risk

Raymond and Horton (2017)



Spangler et al (2022)

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Chicago is vulnerable

Dawei Li et al (2020)

India?

**Lethal Humidity
conditions already exist...**

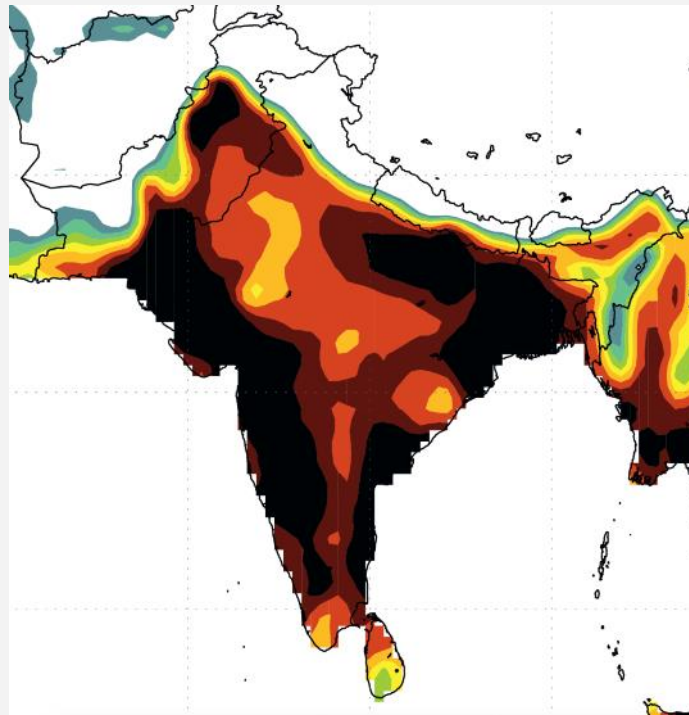
**They have already been
recorded on India's:**

East coast

Southwest coast

Northwest

**But Lethal
Humidity
becomes
commonplace
in India at 1.5°C
(black)**





Mumbai (17 million)



New Delhi (33 million)

India's food bowl, the Indo-Gangetic Plains

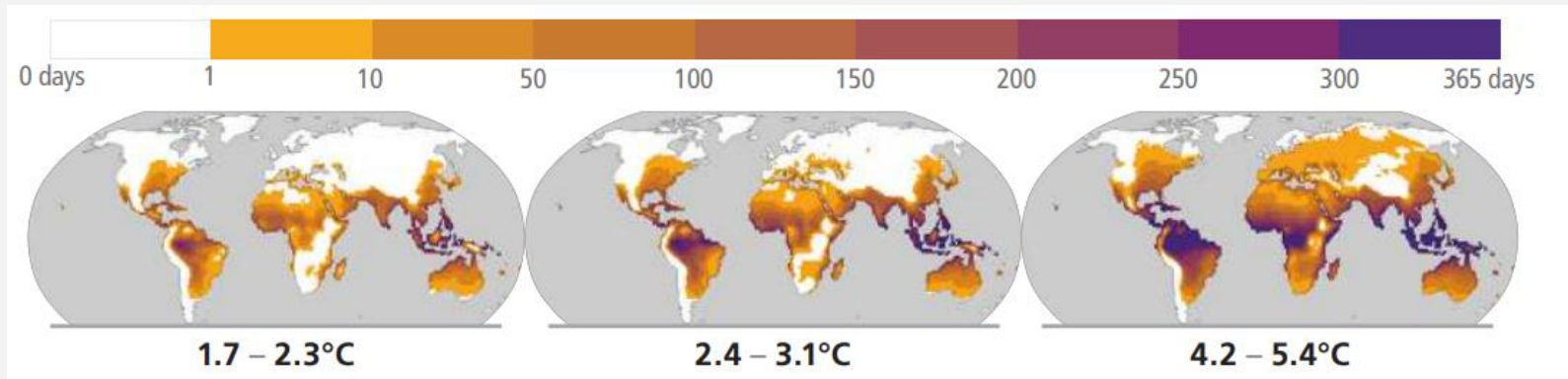
Freychet et al (2022)

In Australia: Lethal Humidity occurs at 1.5°C warming

The more the planet warms, the worse Lethal Humidity gets

Freychet et al (2022)

Some countries will experience 365 days a year of mortality risk (IPCC, 2023)



We can duck this no longer

**The actions we need to
take are clear**

Take down all barriers to green energy manufacturing

Including fossil fuel subsidies

Match policy settings to risk

Immediately

Support a Green Armistice China, the USA and India

When?

APEC, November 2023 California

What?

Announce law intention to render illegal any action which that would prevent mitigation of global warming

Who?

President Xi

President Biden

Prime Minister Modi

Green Armistice

MEMBERS RESOLUTION

BOAO Forum
Perth, today

1

DISCUSSIONS PROCEED

G20
New Delhi,
September

2

LAW INTENTION ANNOUNCED

APEC
San Francisco,
November

3

IMPLIMENTATION BY GLOBAL BUSINESS

BOAO Initiative
Hainan, March
2024

4

CHINA, USA AND INDIA – LEAD THE WORLD

**SIMPLE AGREEMENT LED BY BUSINESS –
FAST**

**We
are the ones responsible
for the deaths caused by
climate change**

You can hold business leaders to account

A close-up photograph of a hand wearing a red sleeve, inserting a white ballot into the slot of a grey ballot box. The background is dark and out of focus.

**You
can hold your local
government leaders to
account**

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Make us change

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