

Why am I here?



Dangers of nuclear power plants in war and proliferation.
Making the case for a nuclear power ban.

Nuclear power plants in war. Why worry?



Nuclear power is inherently dangerous. What if Ukraine ran on solar and wind energy?

Focus Zaporizhzhia: > 200 isotopes; > 2,000 tons of nuclear waste; 855 tons in the fuel pools.

What could happen?

Loss of offsite (grid) and then onsite (diesel) power. Full or partial reactor meltdown/s, fuel pool fires, explosions.

Human error. Workers exhausted, frightened, depleted, unable to access, abandoned (radiation).

Accidental or deliberate military strike. Meltdowns. Fires. Major release of radioactivity. Cask and “dirty bomb.”



It need not take a war

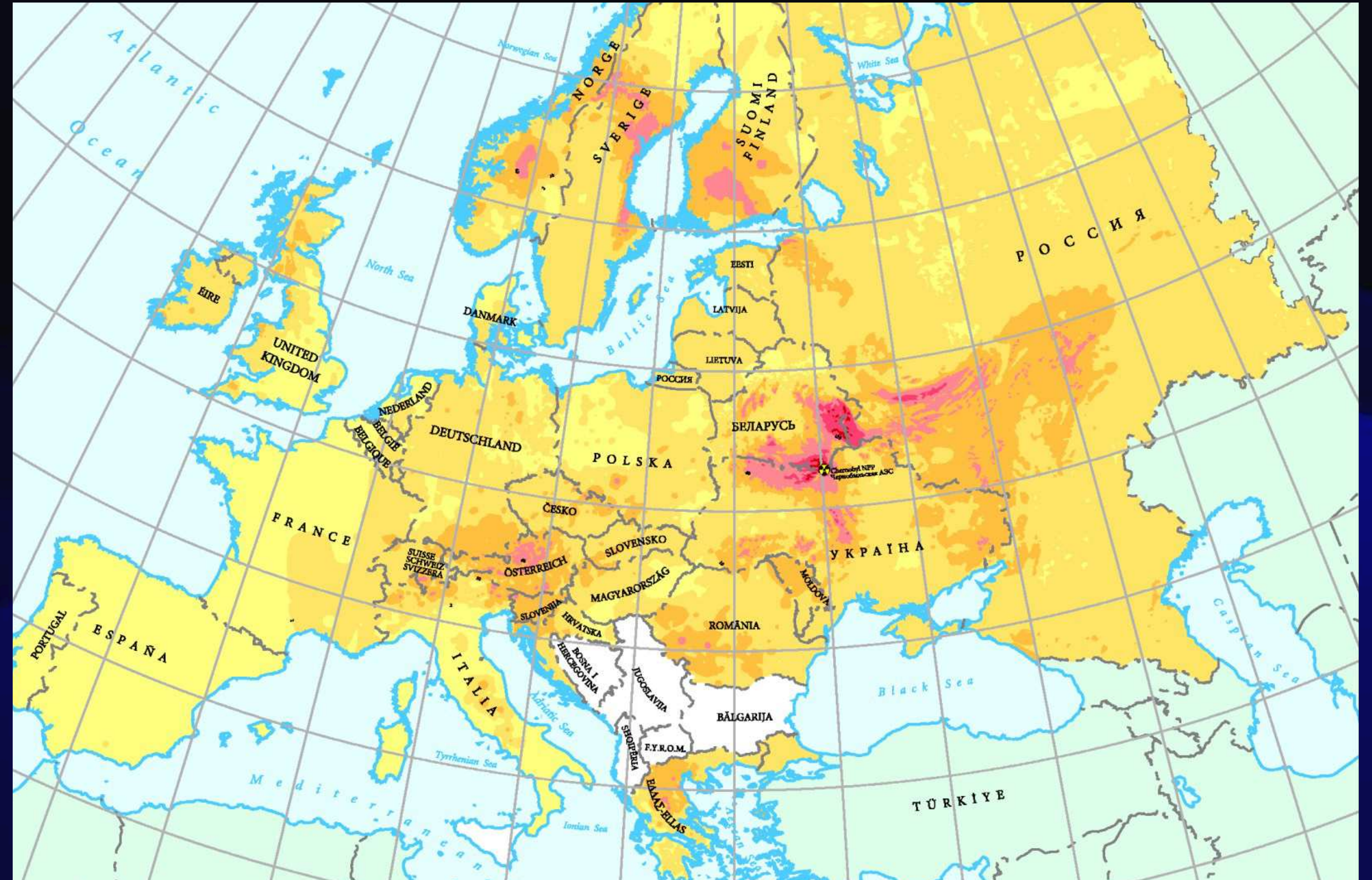


War puts nuclear power in the headlines. Nuclear power is dangerous, even on a “good” day.

How far?

Wind direction and speed.
Rain and fallout. Inconsistent
hot spots.

Chornobyl Exclusion Zone =
1,000 square miles. Fires,
resuspension and
redemption have expanded it.
40% of Europe landmass
contaminated.



How long?

Down generations. Direct inhalation or ingestion. Food chain via soil, crops, animals, water supply.

Still radioactive boar and mushrooms (Germany) and reindeer (Lapland), hazelnuts (Turkey), sheep (UK).

Hiroshima vs. Chornobyl Zone today.



How bad?

Downplayed. Far worse than publicly understood. No Hiroshima optics.

Chornobyl was a single reactor, just two years old. 2,000 tons of radioactive waste at Zaporizhzhia.

Studies: Chornobyl; Fukushima, Navajo; KiKK. Millions affected.

See work of Angelika Claussen, Alex Rosen, Kate Brown et al.

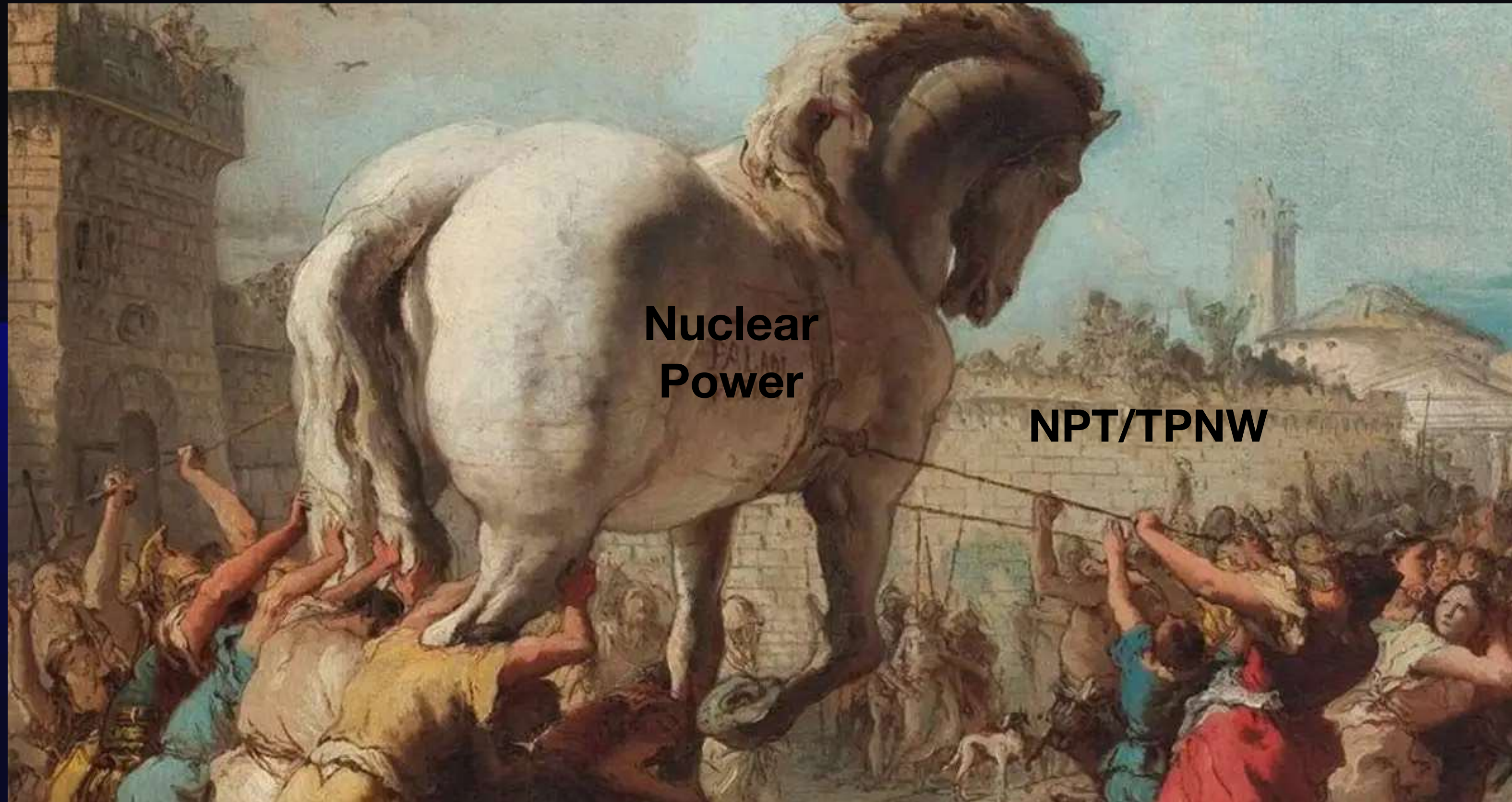


Conflict Zone vs Conflict of Interest



“It’s very simple, the problem in Ukraine and in Russia is they are at war.
The problem is not nuclear energy.”

The problem IS nuclear energy



Understanding the case for why nuclear power is in the TPNW.
Making the case for why it shouldn't be.

The inextricable link

1. It provides the material, technology, personnel and know-how to transition to nuclear weapons. (Saudi Arabia? Iran?)
2. Small modular reactors — almost all “fast” reactors designed for export — hand the materials and means to non-nuclear weapon countries to develop nuclear weapons.
3. “Civil nuclear underpins military nuclear.” It is an essential pathway to maintaining the nuclear weapons arsenal and for the continued existence of nuclear weapons.

Therefore, nuclear power should not be viewed as the benign cousin to evil nuclear weapons and should not be the “reward” for agreeing not to develop them.

Nuclear power and the TPNW

A Faustian bargain?

Equity issue. Access to civilian nuclear technology in the Global South a condition to signing the TPNW. Based on myths and mindsets.

“While many developed countries have benefitted enormously from nuclear technology”, this was not “shared with the developing world.” (BASIC)

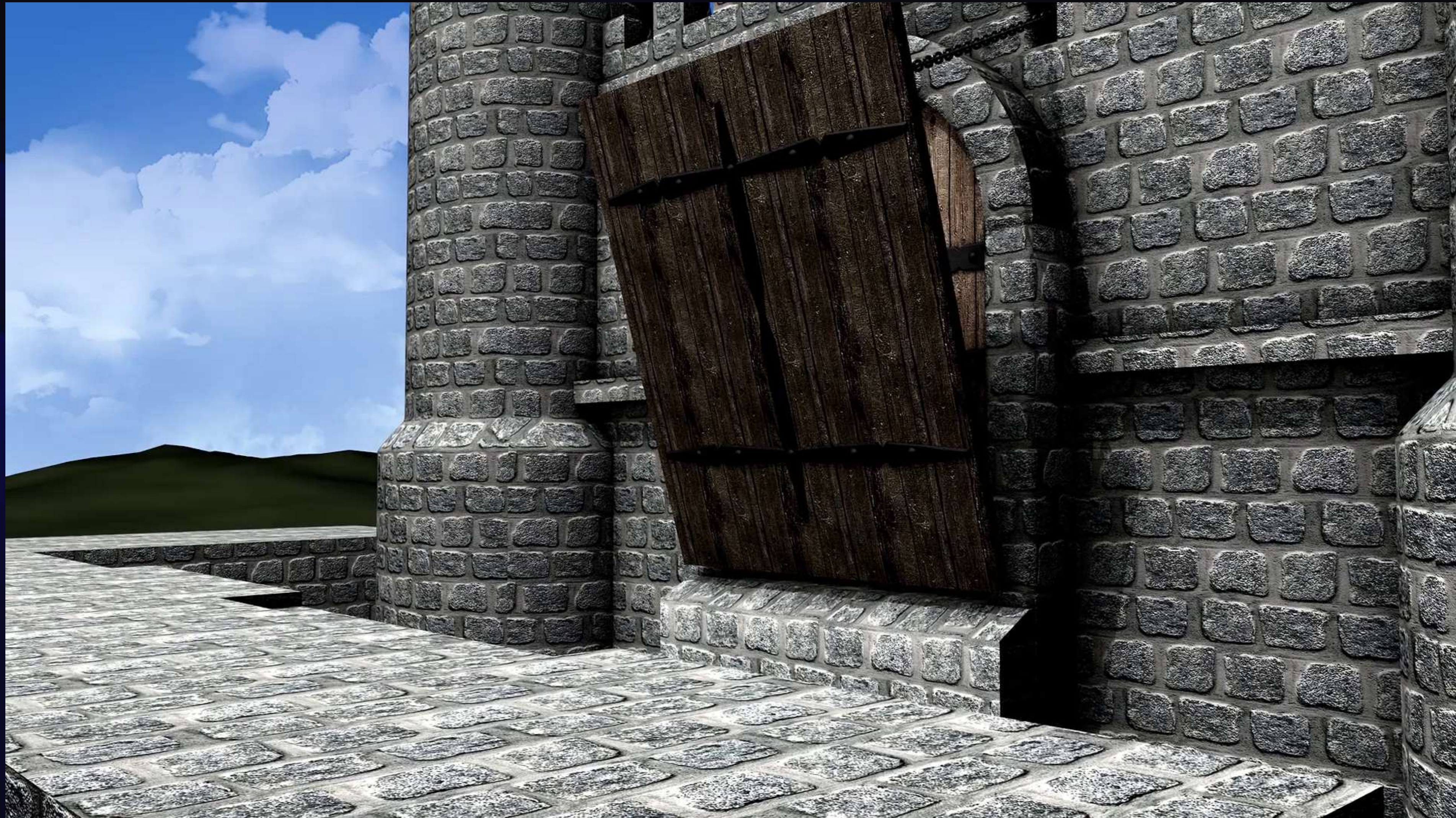
Political landscapes change. Stress of climate change. You can never be sure where war might break out. Countries can change their mind (N. Korea).

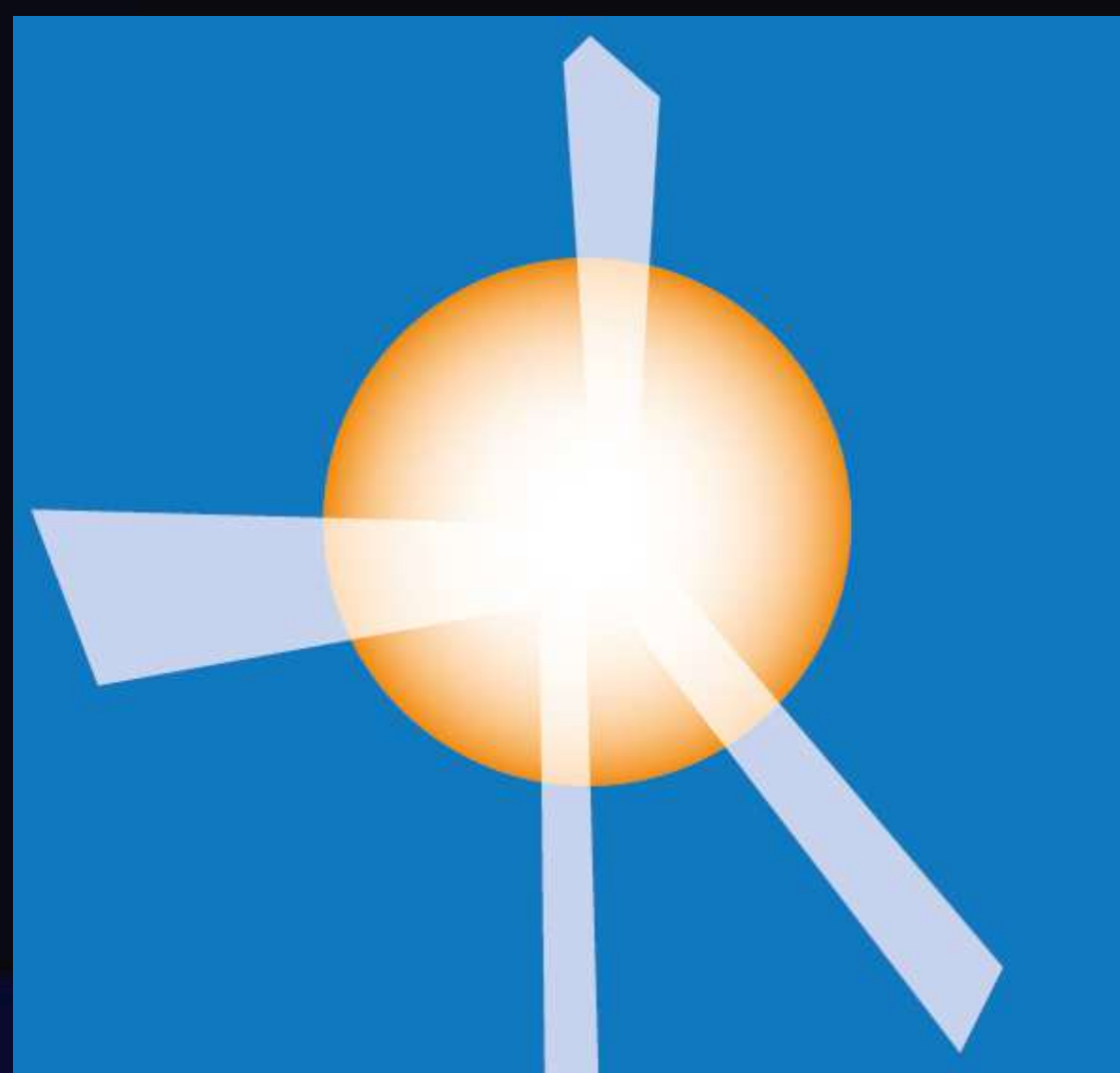
The caché of anything “nuclear” being special/prestigious/beneficial. Not true. It’s our job to change this mindset.



Who benefitted? Nuclear power is colonialist, discriminatory, oppressive and deadly.

The drawbridge to the peace castle





Beyond Nuclear
beyondnuclear.org

Beyond Nuclear International
beyondnuclearinternational.org

linda@beyondnuclear.org