

**International  
Science Council**

The global voice for science

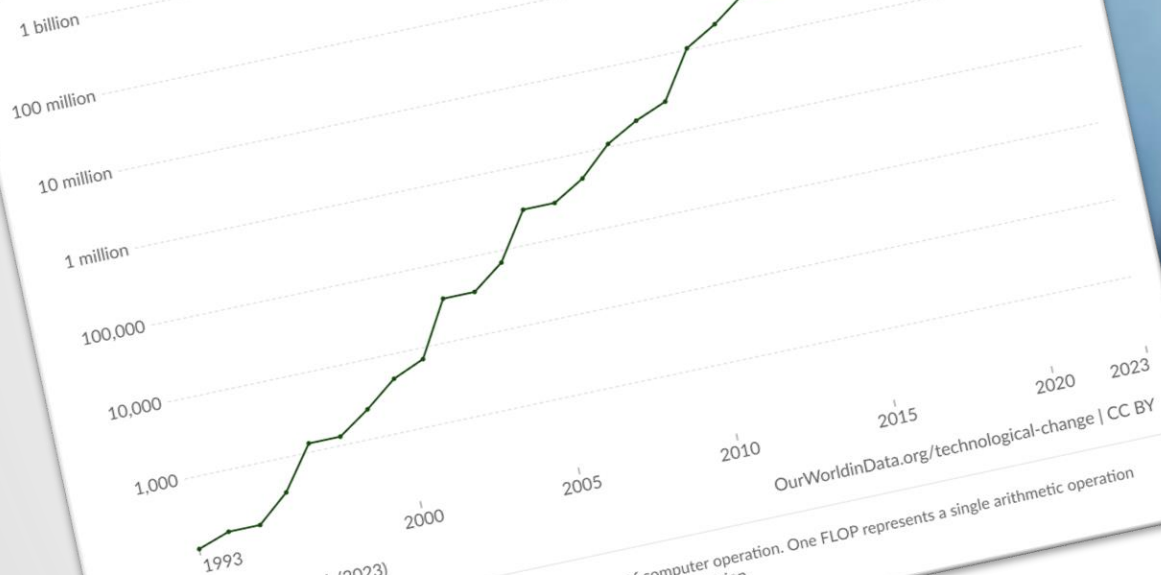
---

**Converging Science &  
Technology in a Digital Era**



## Computational capacity of the fastest supercomputers

The number of floating-point operations<sup>1</sup> carried out per second by the fastest supercomputer in any given year. This is expressed in gigaFLOPS, equivalent to  $10^9$  floating-point operations per second.



Data source: Dongarra et al. (2023)

1. Floating-point operation: A floating-point operation (FLOP) is a type of computer operation. One FLOP represents a single arithmetic operation involving floating-point numbers, such as addition, subtraction, multiplication, or division.

## How much will AI help in the next pandemic?

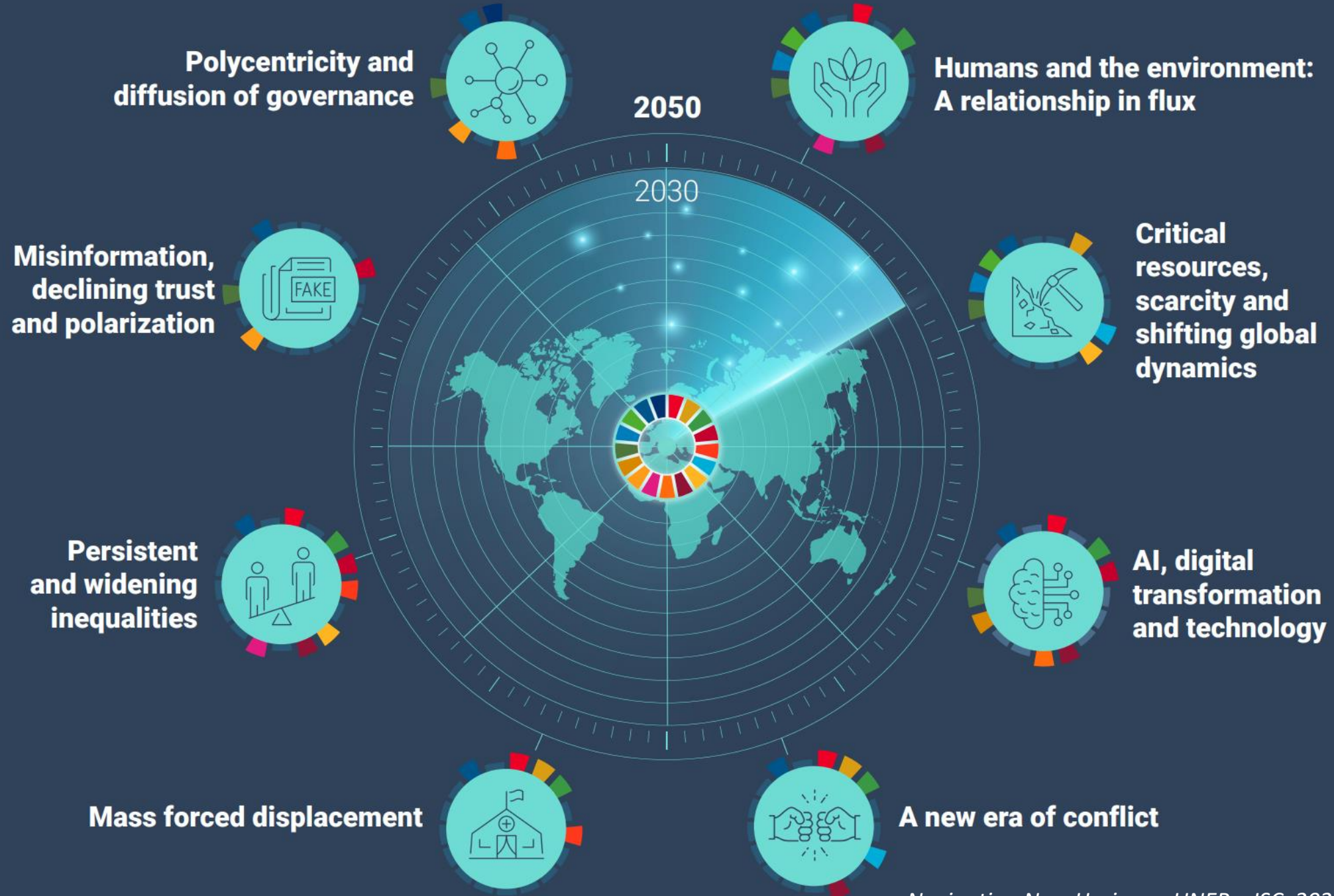
6 days ago

Suzanne Bearne  
Technology Reporter

Share









## OUR VISION

---

The vision of the council is to advance science as a *global public good*



## OUR MISSION

---

The mission of the Council is to be the *global voice for science*

# ACTION PLAN 2022 - 2024



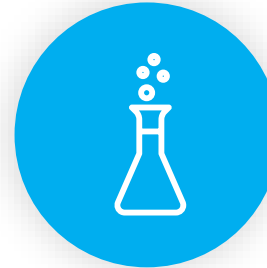
**Global  
Sustainability**



**Converging  
science &  
technology in  
a digital era**



**Science in  
policy & public  
discourse**



**Changing  
practices in  
science and  
science  
systems**



**Freedom &  
responsibility  
in science**

# ACTION PLAN 2022 - 2024



## Converging science & technology in a digital era

### Digital transformations of science & education

Science organizations in the digital age, *Zhenya Tsoy*

WorldFAIR (+) Making data work for grand challenges, *Simon Hodson*



### Digital technologies for sustainability

The coalition for digital environmental sustainability (CODES), *Megha Sud*

### Convergent technologies: impacts, ethics & governance

AI in national research ecosystems, *Dureen Samander*

CENTRE FOR  
SCIENCE  
FUTURES



