

# Properties That Make Compute Attractive for Policymaking

## Detectability

Large-scale AI training and deployment is highly resource intensive, often requiring thousands of specialized chips in a high-performance cluster hosted in a large data center consuming large amounts of power.

## Excludability

The physical nature of hardware makes it possible to exclude users from accessing AI chips. In contrast, restricting access to data, algorithms, or trained models is much more difficult.

## Quantifiability

Computational power can be easily measured, reported, and verified.

## Supply chain concentration

AI chips are produced via a highly inelastic and complex supply chain, several key steps of which (e.g. design, EUV lithography, and fabrication) are dominated by a small number of actors.