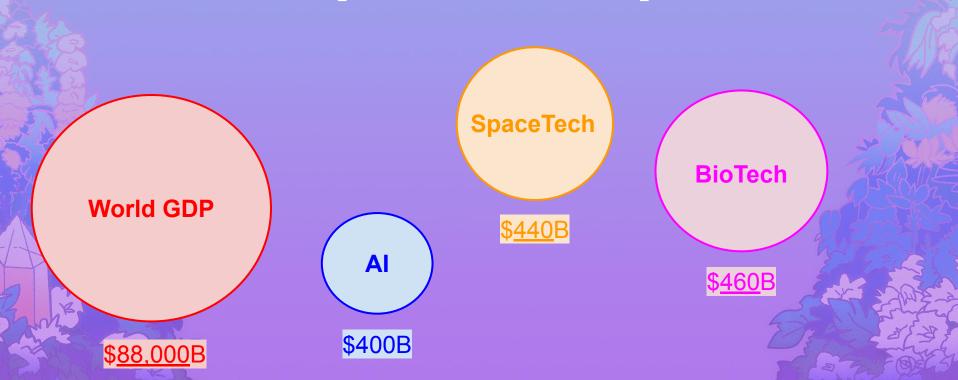






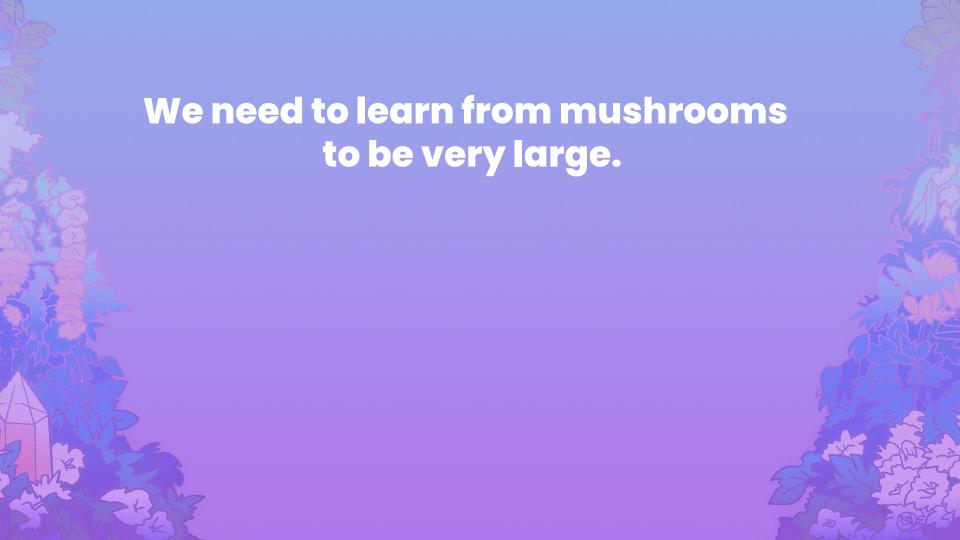
# The reality is: we are very smol.



## The reality is: we are very smol.





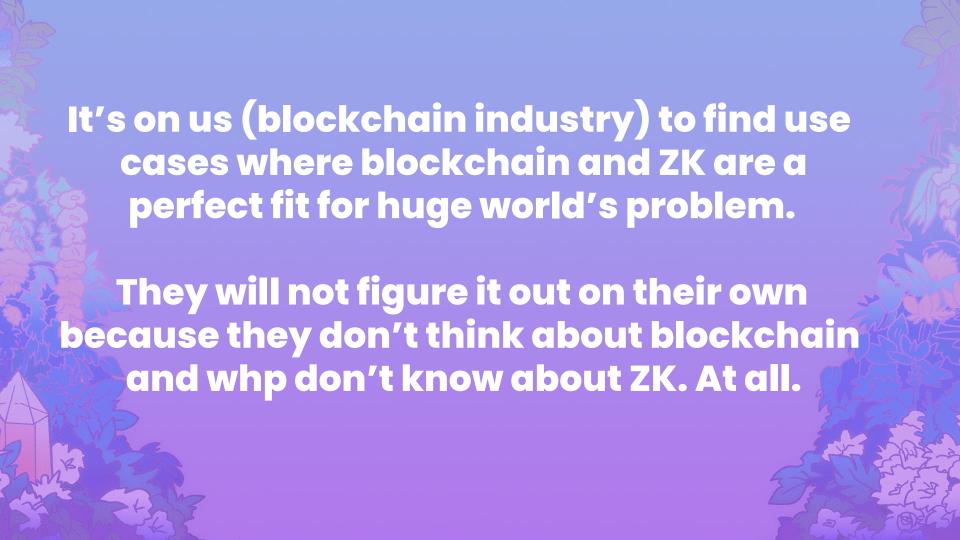


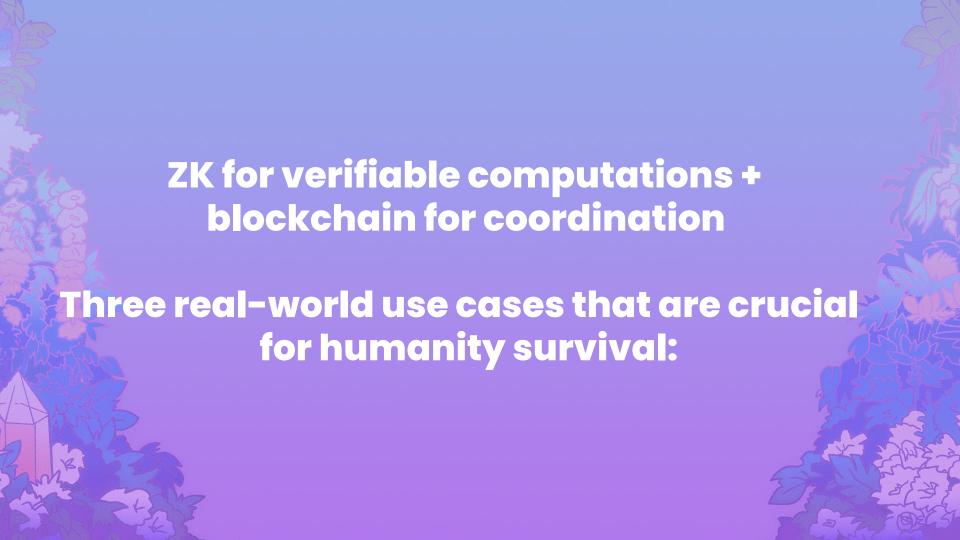












#### In the space:

#### Satellite coordination:

- Many countries operating in the space
- Many of them are not friends
- But they have to coordinate their activity in the space.
- How can China prove the US that their satellite won't clash into some US space facility?
  - You promise? I promise.
  - ZKPs for proof of route or proof of hitting the coordinate.
- How should they coordinate these ZKPs by hundreds of parties, for thousands of satellites, 24/7, without disclosing any sensitive information?
  - Privacy-preserving programmable blockchain.

### In the agriculture:

Self-piloting agricultural machines coordination:

- In many countries, agriculture is run by self-piloting machines i.e. computers with software running on it.
- If tractors, cultivators, and balers are out of operation for the whole country its economy stops and the country is in deep economic crises.
- How can a smol human force thousands of machines with different programs running on top to report them what's on their mind?
  - o ZKPs
- But what about a network with thousands machines and thousands humans transmitting ZKPs in arbitrary directions 24/7?
  - Privacy-preserving programmable blockchain.

#### In the nuclear war\*:

#### Nuclear missiles launch coordination:

- If country A has a concern that a country B launched a nuclear missile towards it its
  president has several minutes (<5) to call their president and ask 'did you do it?'</li>
- Can we zk-prove that something hasn't happen? Can one prove that they haven't launched the nuclear missile? And if they did, can they prove that this particular country is not a destination?
- I think it's doable.

# Can zero-knowledge help humanity survive?

Can zero-knowledge help humanity survive?

Yes

Can blockchain help humanity survive?

# Can blockchain help humanity survive? Yes but

Can blockchain help humanity survive?

Yes but it MUST be privacy-preserving programmable blockchain.

