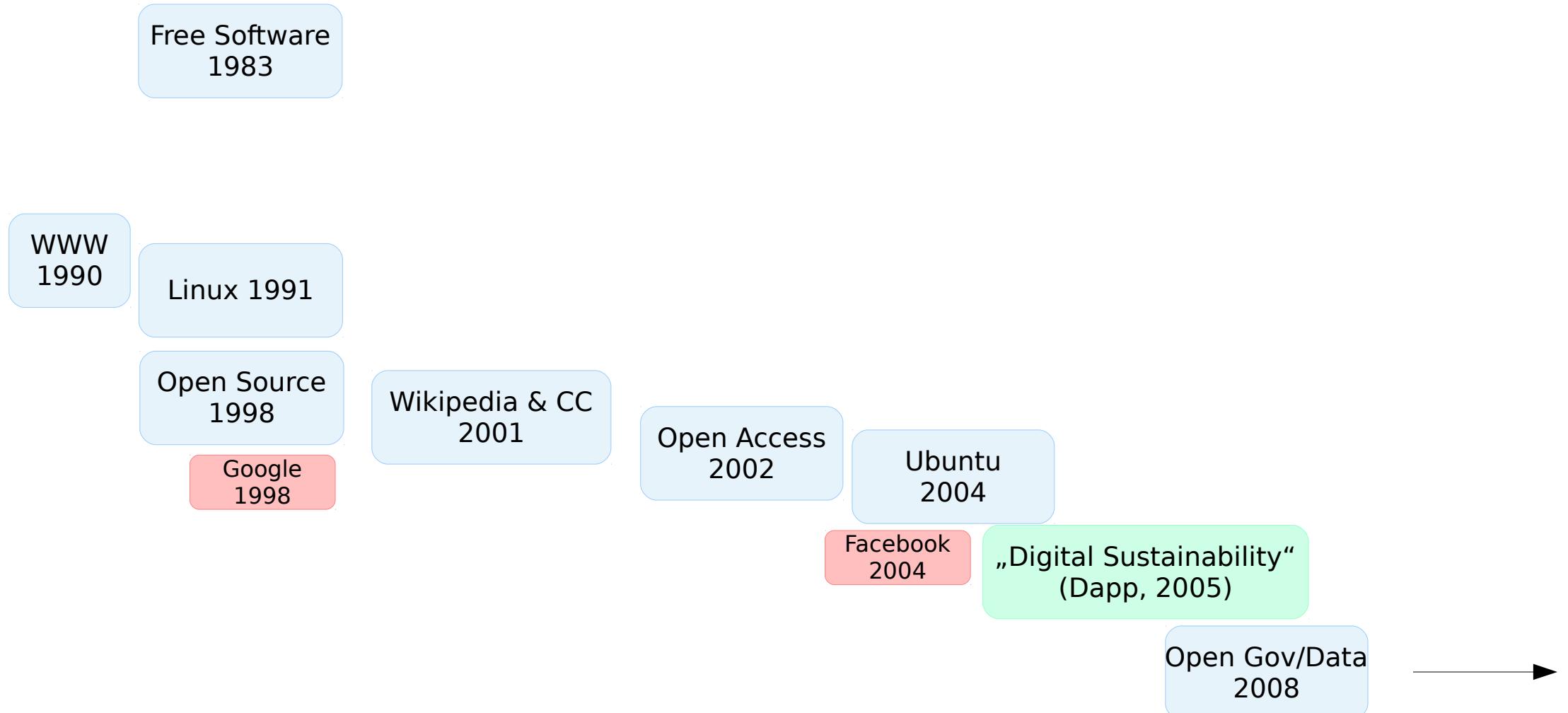


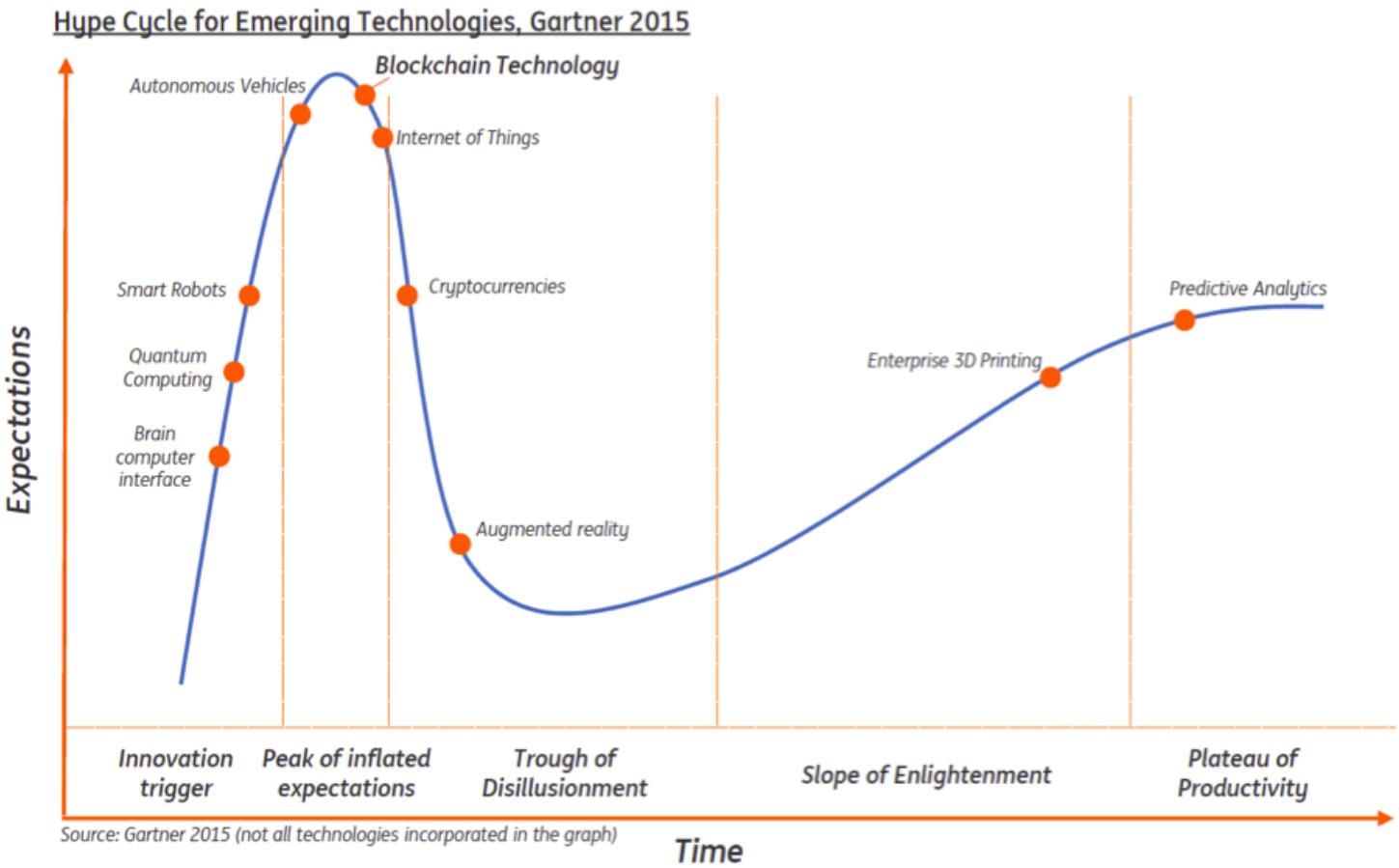


Mit Blockchain, Offenheit & Digitaler Nachhaltigkeit in das Zeitalter der Dezentralisierung

Dr. Marcus M. Dapp, ETH Zurich

A bit of „Open“ history

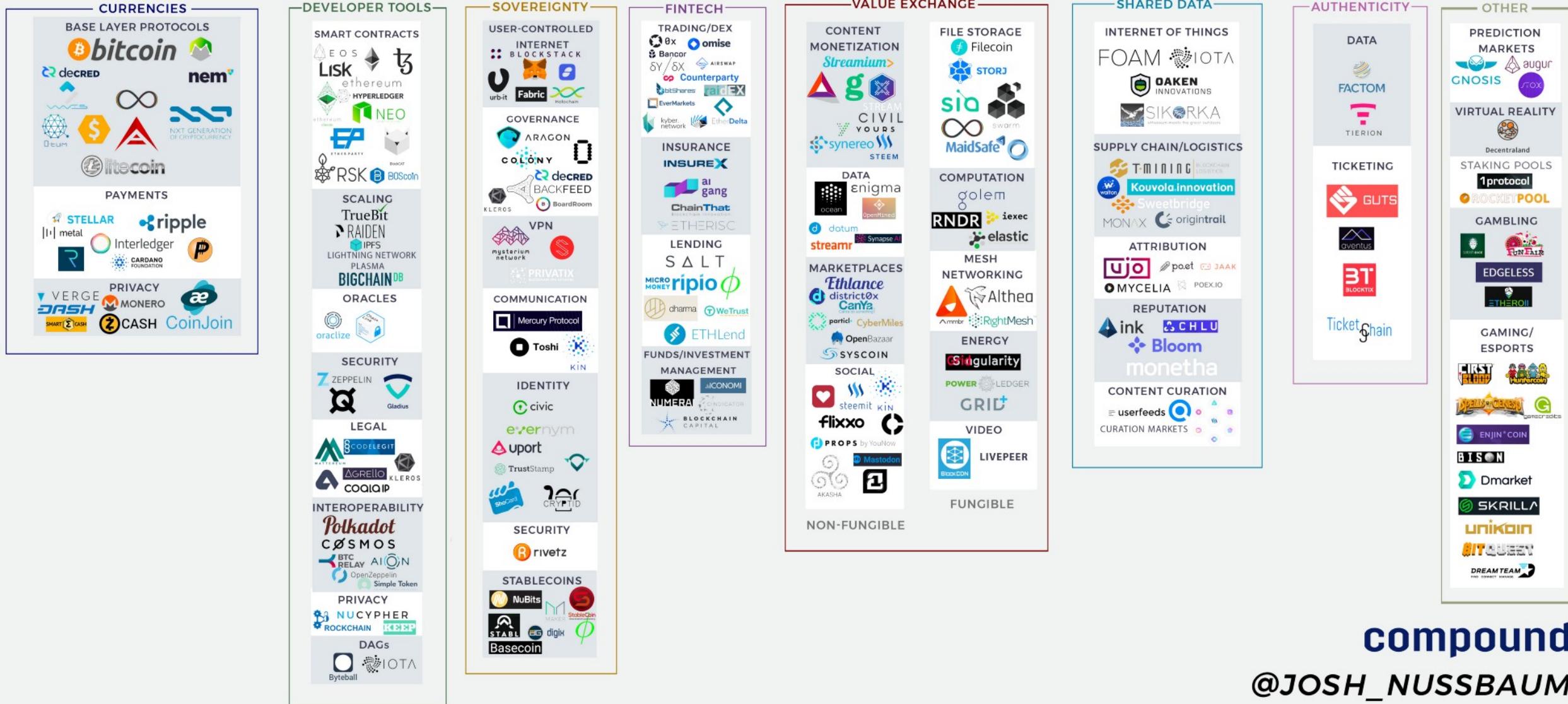




A close-up photograph of a brown and white dog's head. The dog is looking upwards with its mouth wide open, showing its tongue and teeth. It appears to be barking or howling. The background is blurred, showing some green foliage and a light-colored wall.

BORING

BLOCKCHAIN PROJECT ECOSYSTEM



compound

@JOSH_NUSSBAUM

QUESTION

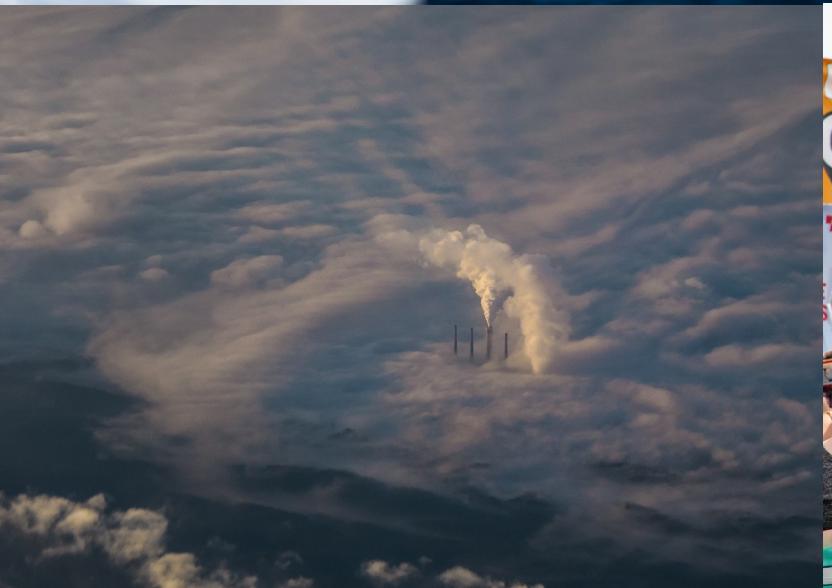
What shall we (cities) do with
all that exciting technology?

<https://pollev.com/md044>

Global



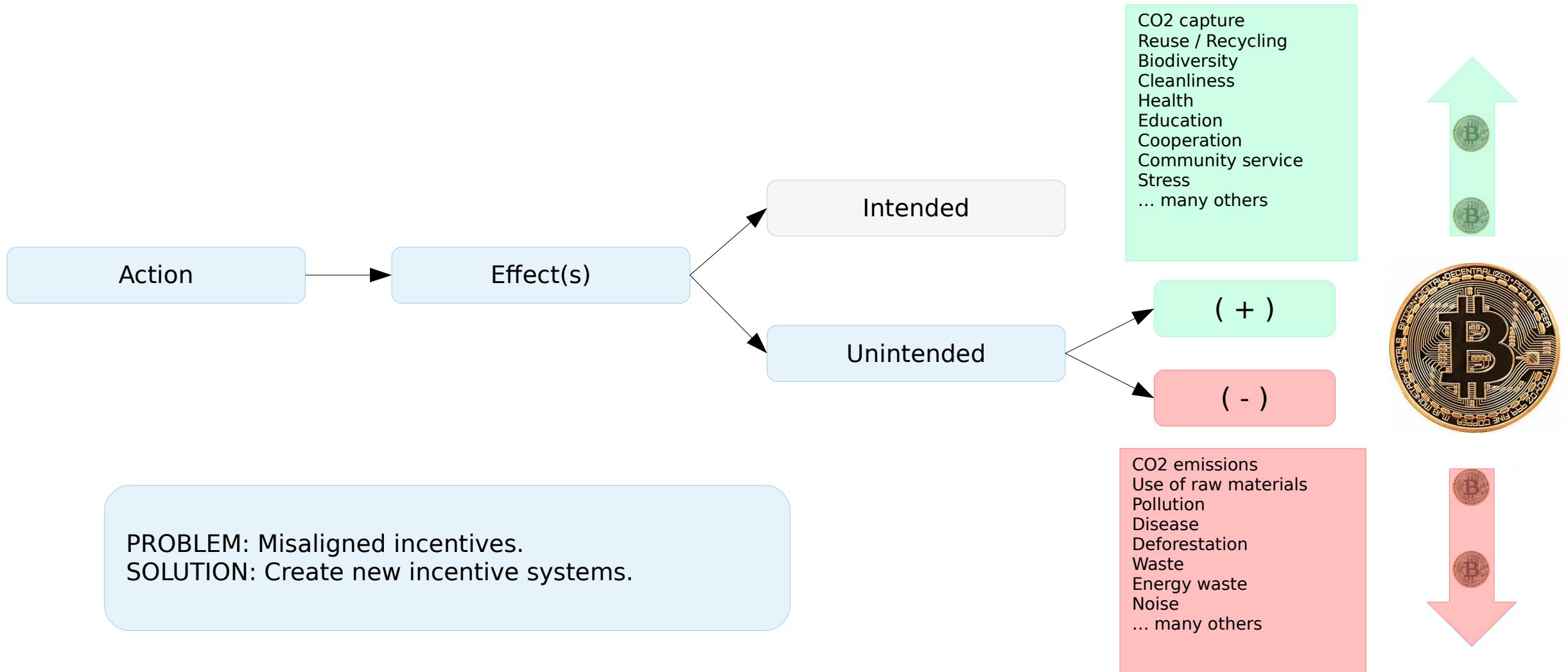
Challenges



UNTIL DEBT
TEAR US APART

WRONG INCENTIVES CREATE
SYSTEMATIC MARKET FAILURES

Effects, Intention & Incentives



PROBLEM: Misaligned incentives.
SOLUTION: Create new incentive systems.



ALIGN INCENTIVES TO
PROMOTE SUSTAINABILITY

How to create your own incentive system

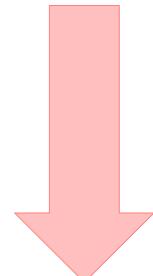
CO2 capture
Reuse / Recycling
Biodiversity
Cleanliness
Health
Education
Cooperation
Community service
Stress
... many others

(+)



(-)

CO2 emissions
Use of raw materials
Pollution
Disease
Deforestation
Waste
Energy waste
Noise
... many others



STEP 1

For which **positive effects** should one **receive money (tokens)**?

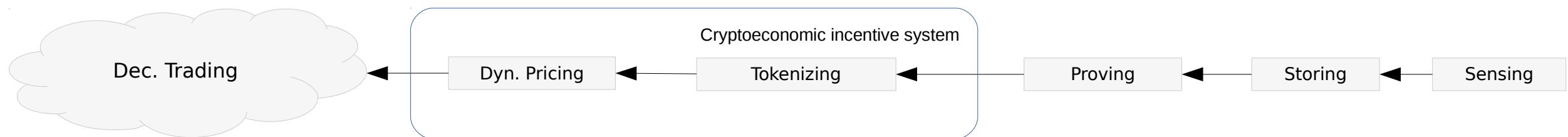
STEP 2

What do we offer so that they can **spend** the tokens again?



COLLECT EXTERNALITY DATA, TRANSFORM
INTO CRYPTO AND MAKE IT TRADEABLE

“Finance 4.0” Design



streamr





FuturICT 2.0

Sustainable circular economy based on a multi-dimensional, multi-layered economic system to achieve eco-social goals collaboratively

Marcus M. Dapp (mdapp@ethz.ch)
@futurICT2 | www.futurICT2.eu