

# **COOPERATION TOOLS**

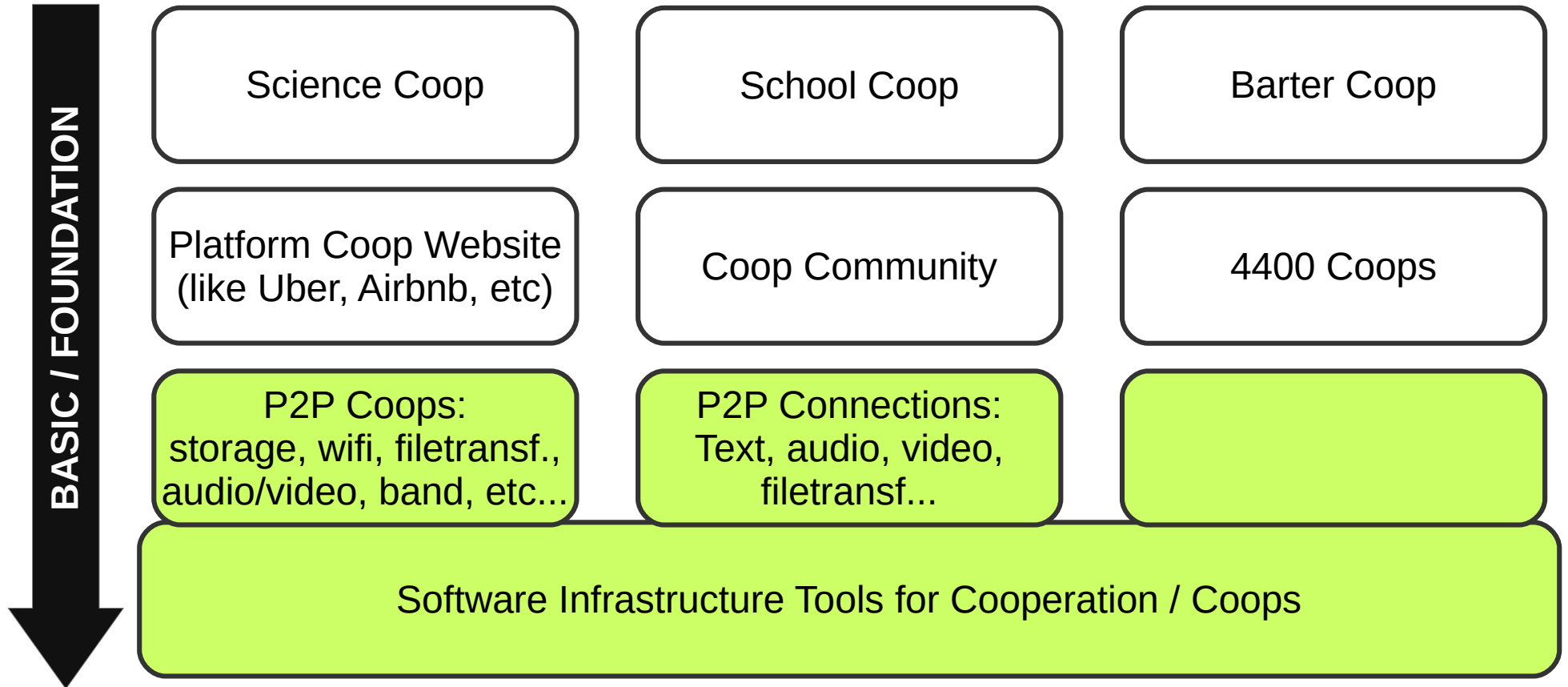
## **P2P TOOLS**

**In the age of “digital everything”**

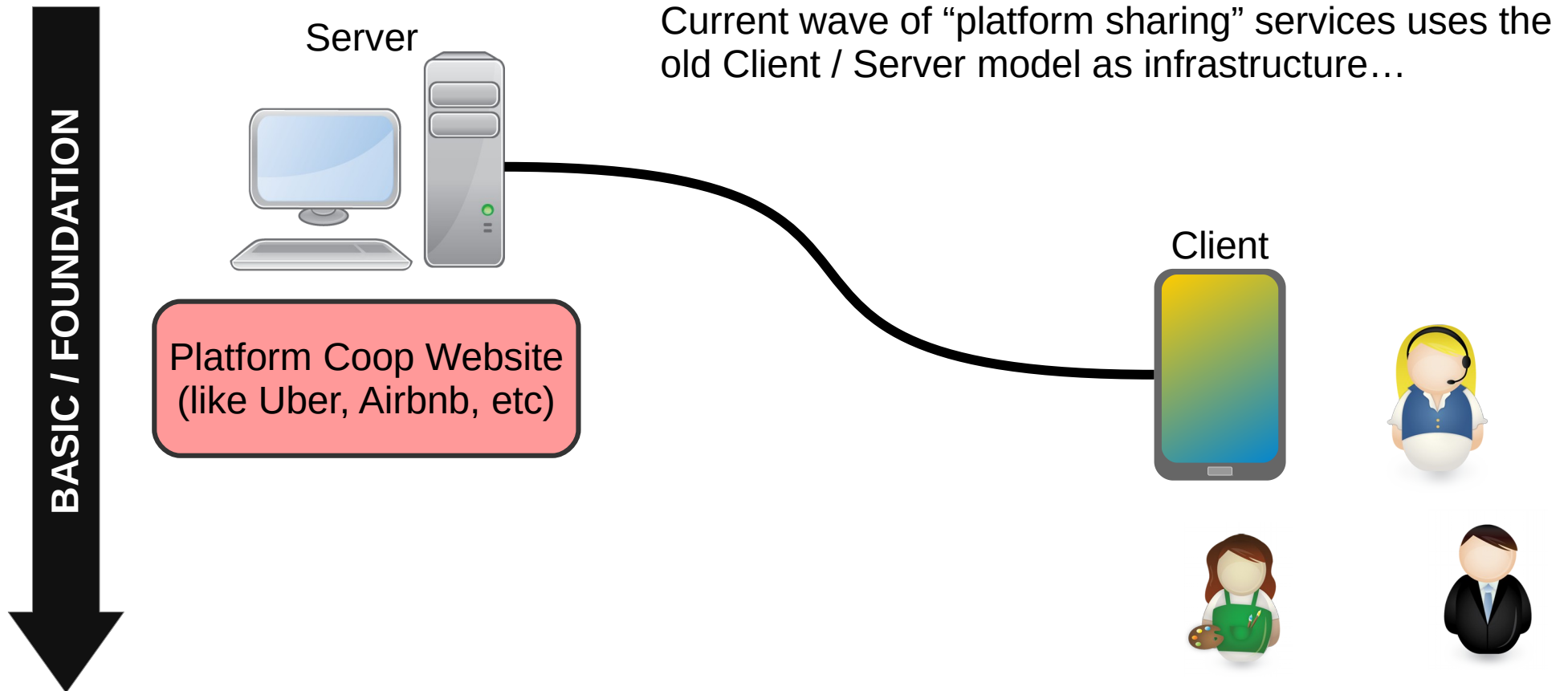
**COOP = P2P**  
**P2P = COOP**

# COOPERATION TOOLS

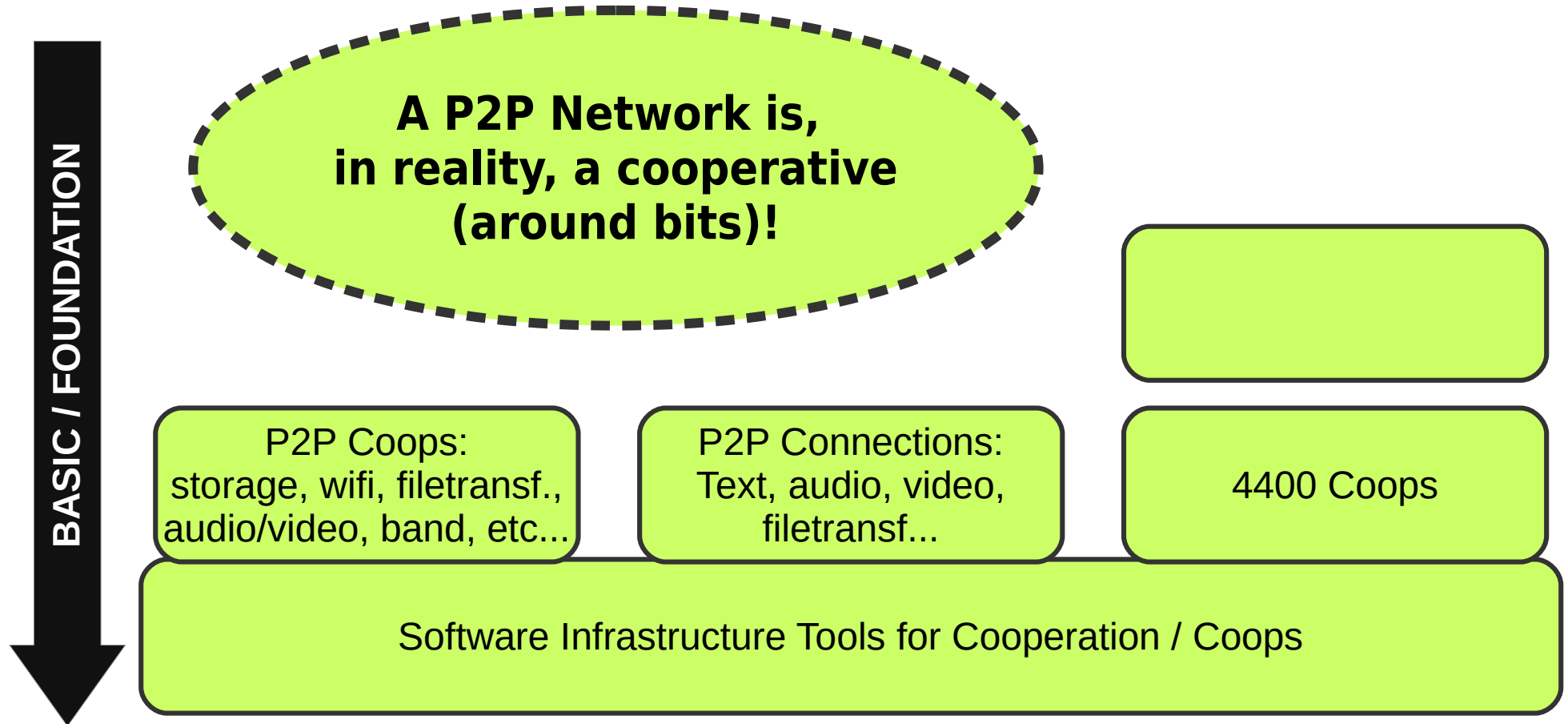
## TOOLS FOR COOPERATIVISM / SHARING



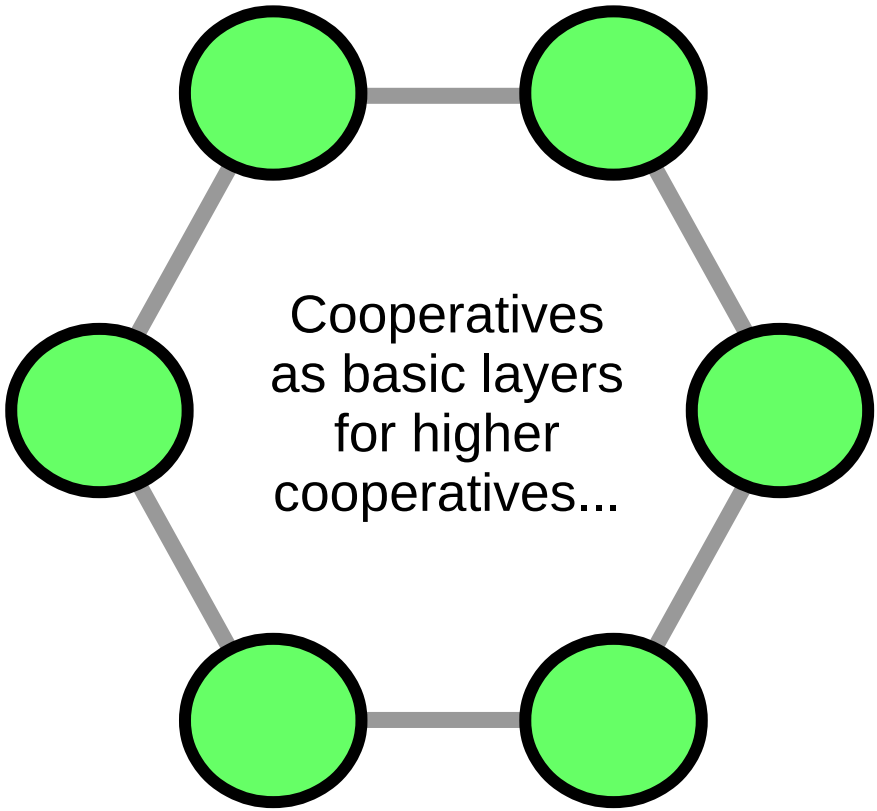
# OLD CLIENT / SERVER MODEL of Infrastructure



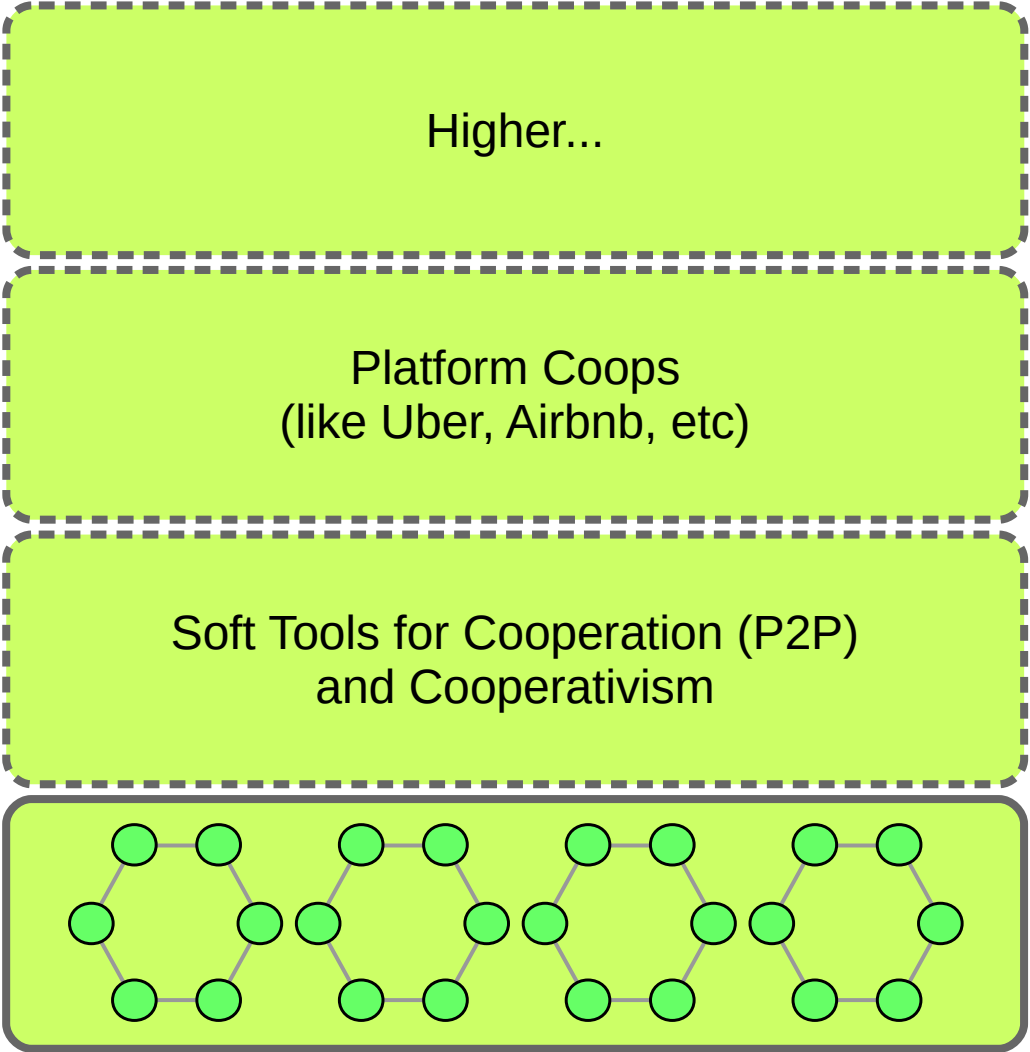
# NEW P2P COOP MODEL for Infrastructure



The infrastructure upon which higher cooperativism / mutualism is formed, is itself, made out of cooperativism / mutualism.



# NEW P2P COOP MODEL





**PC (client):**

**The OLD  
compute(r) device**

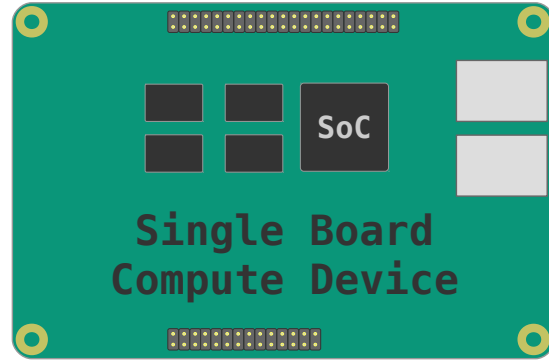
**ALL IN ONE,  
MONOLITHIC**



**SERVER:**

**The OLD  
client/server  
paradigm**

# KEY To New Paradigm



**SBC - single board compute:**

**The NEW (compute) device**

**Low Cost, Insulated, Dedicated, Firewalled,  
Protected, CPU Power Controlled, Bandwidth  
Controlled, Low Power (consumption), Operating  
Hours Controlled, Routed...**

# Visual Comparison

## Traditional Thinking



## Monolithic Basket

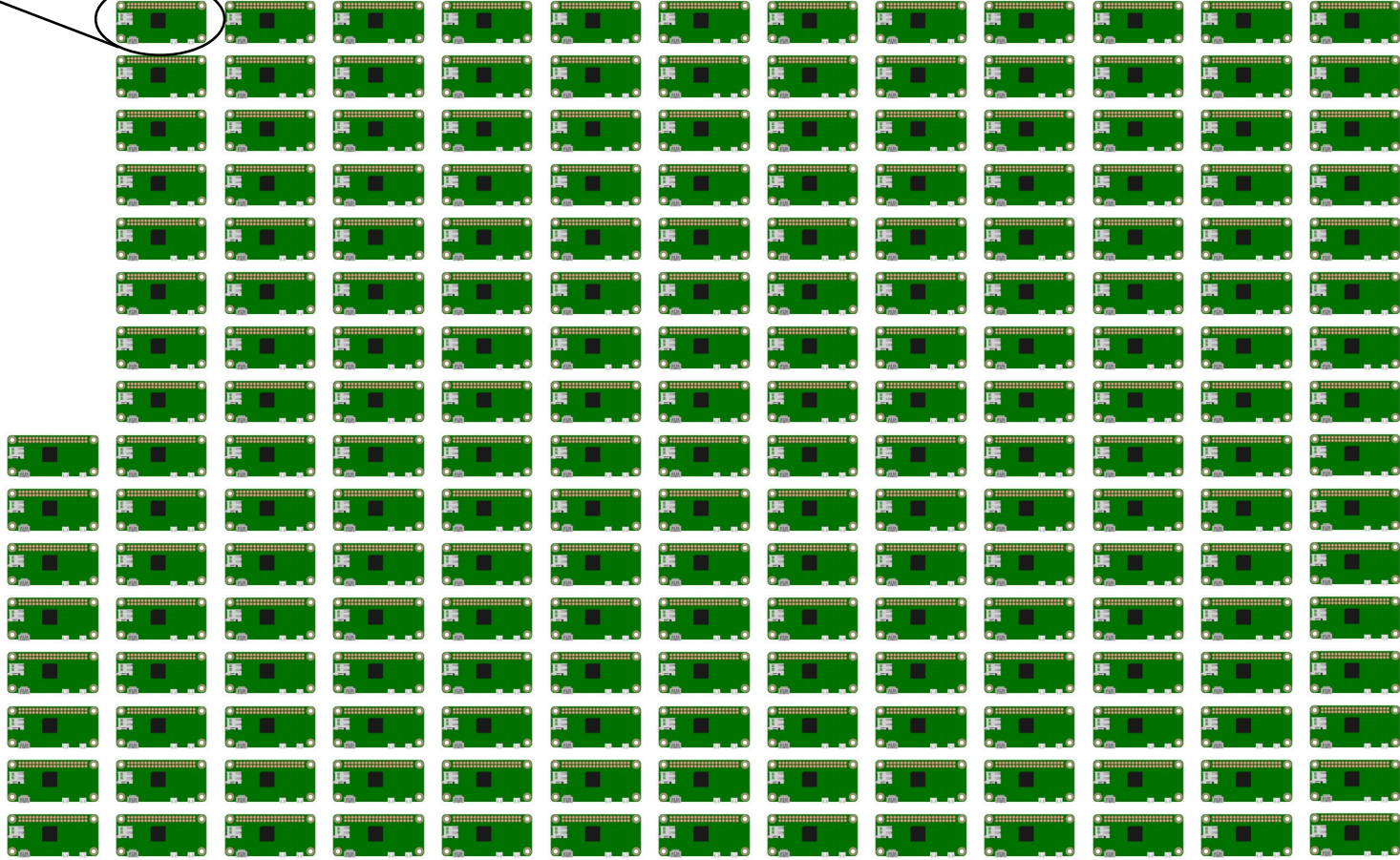
All eggs (apps) conflicting,  
cannibalizing,  
exposing (data),  
limiting each other...

inside a single room...



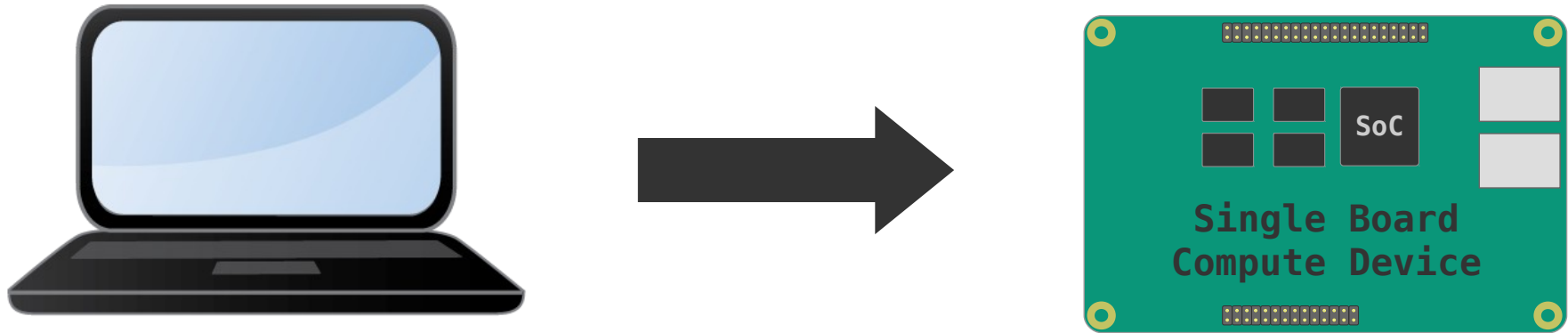
Unleashing the True and Full power of  
computers and software!

**\$15 RPI Zero  
Single Board Compute**



**\$3000  
equivalent...**

Some P2P/COOP software run **better** on a SBC!



Running some percentage of P2P/COOP software on SBCs will  
**make ALL the difference!**

Making the WHOLE much more stable and with more diverse  
utility/service benefits!

**FIREWALL PROTECTED**

**EXAMPLE of SMALL  
Peer Owned  
P2P CLOUD COMPUTE**

*Data, Resources,  
Text, Audio, Video, Etc...*

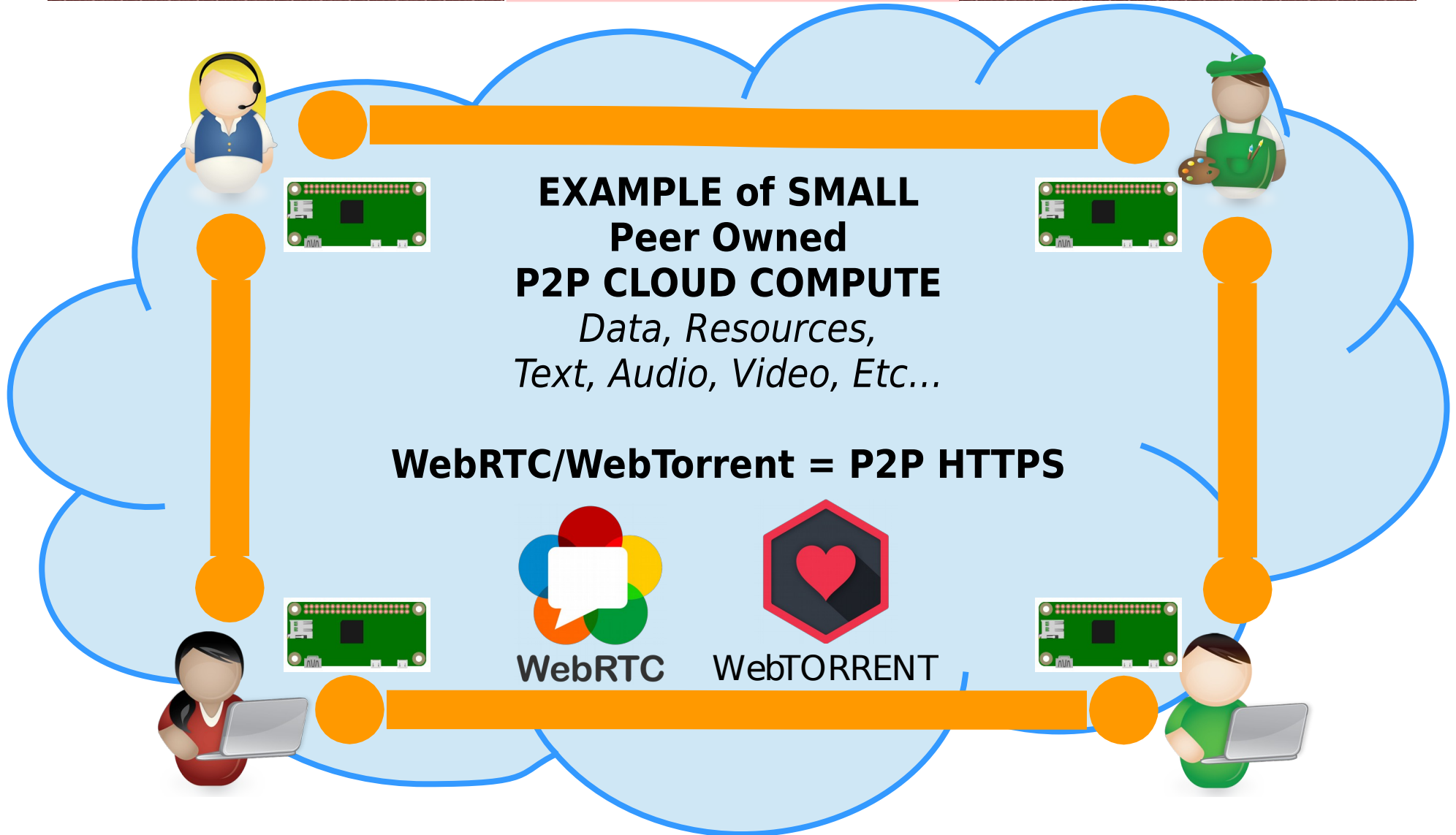
**WebRTC/WebTorrent = P2P HTTPS**



WebRTC



WebTORRENT



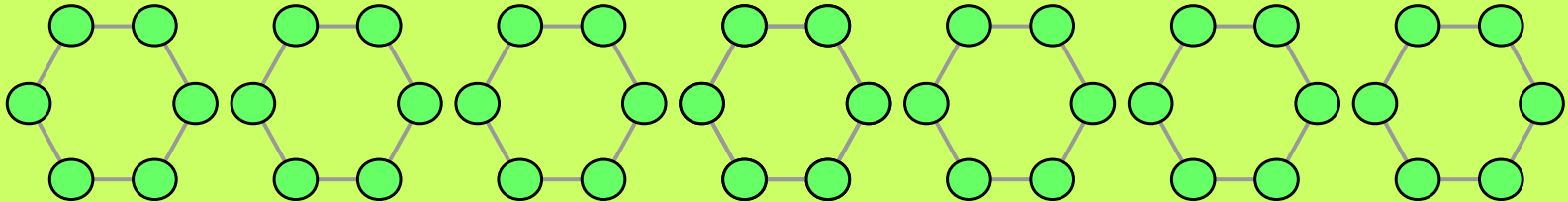
# P2P = COOP

P2P and COOPs that uses p2p and coops as foundational layers should be able to do things much higher than that of the current wave of P2P and COOPs are doing...

**WAY HIGHER, WAY BROADER, WAY MORE POWERFUL...**

Platform Coops  
(like Uber, Airbnb, etc)

Soft Tools for Cooperation (P2P)  
and Cooperativism



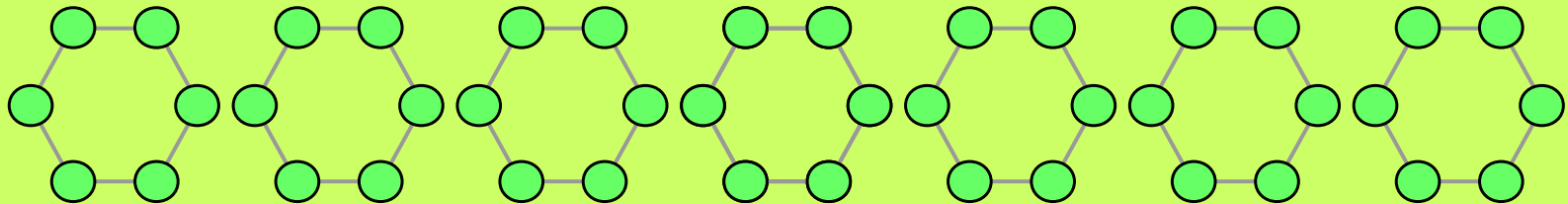
P2P / COOP Common Based Produced Infrastructure

# ***“The Medium IS The Message.”***

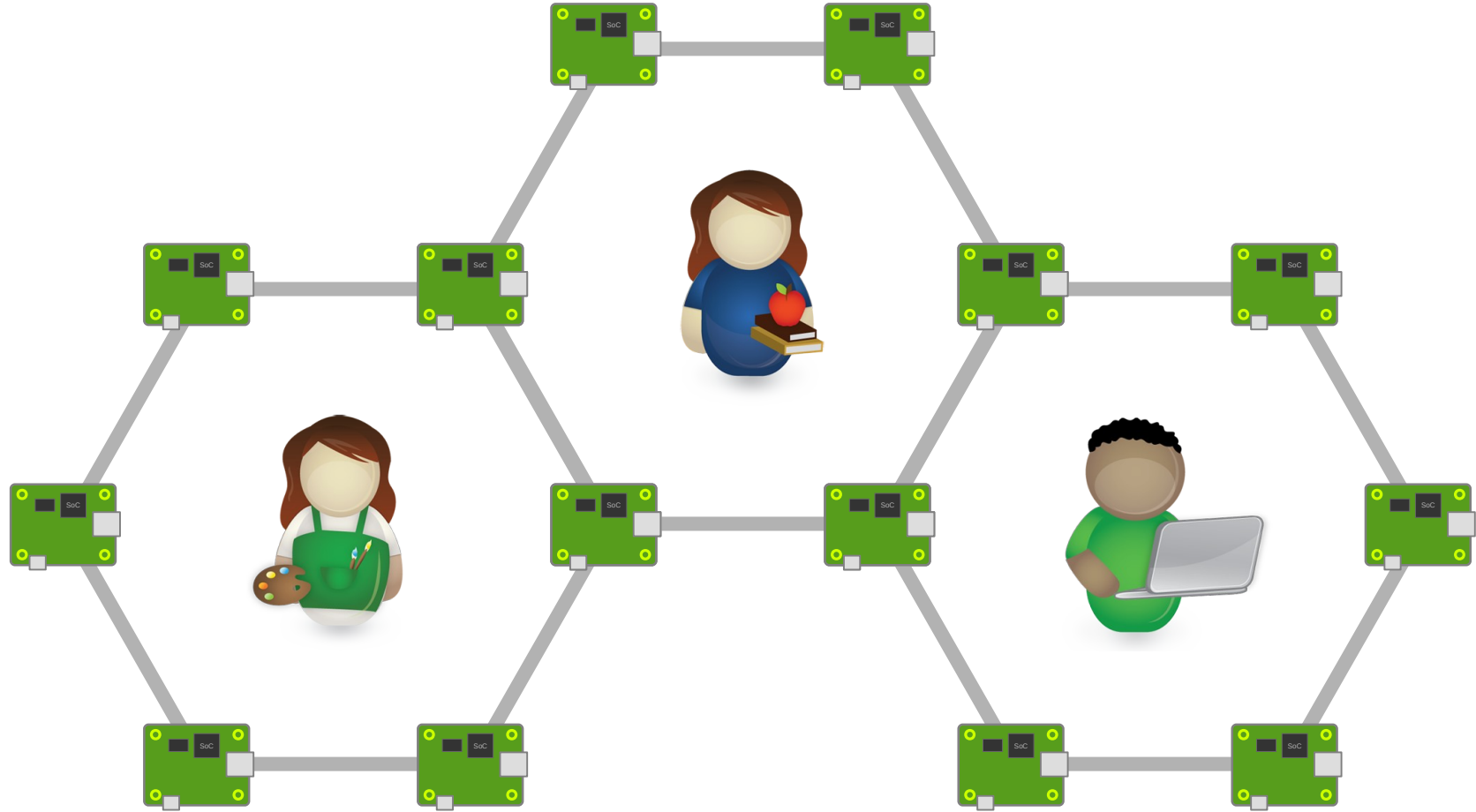
True **P2P** running above **Cooperative** structures!

**Cooperatives** using **P2P** structures as foundations!

The quality of the **messages** can only be as good as the quality of the **medium**... therefore, we need to build true P2P/COOP infrastructures and tools!

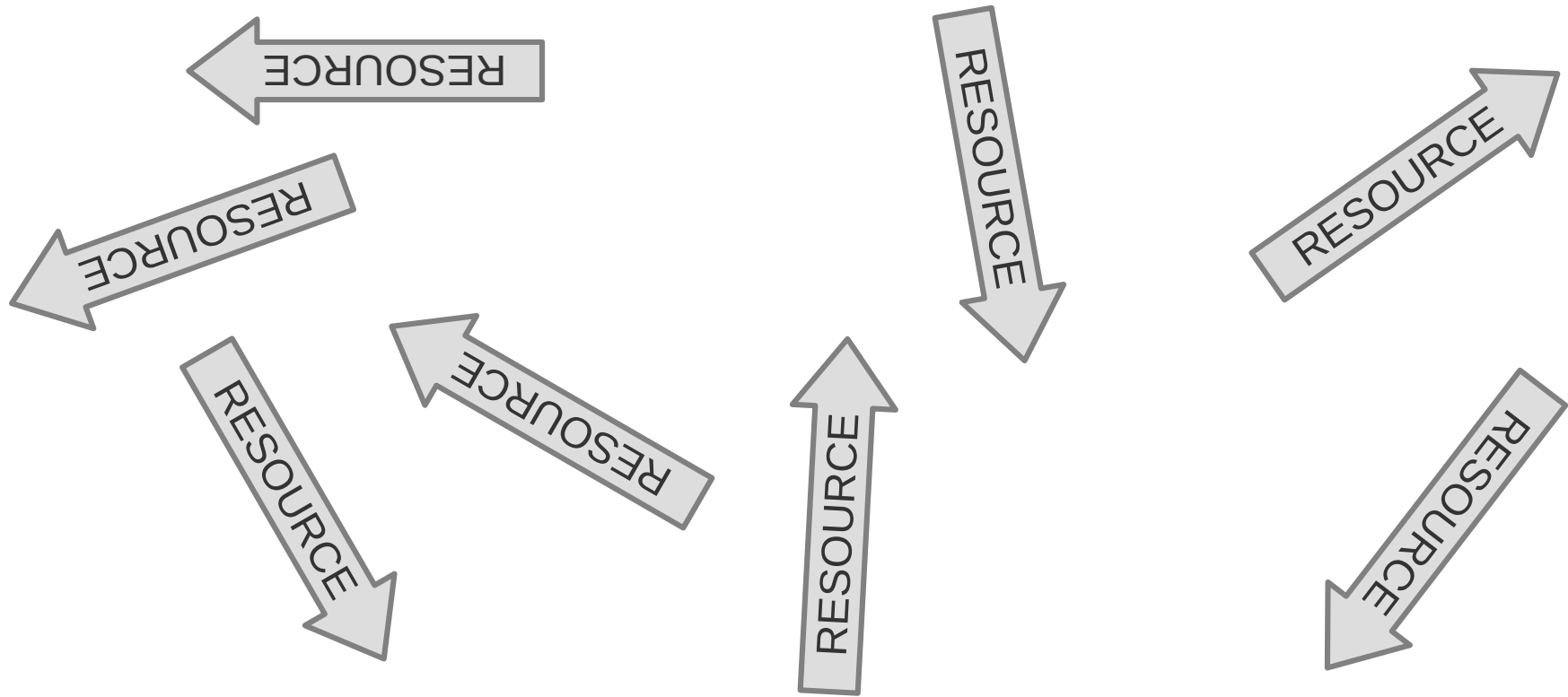


P2P / COOP Common Based Produced Infrastructure



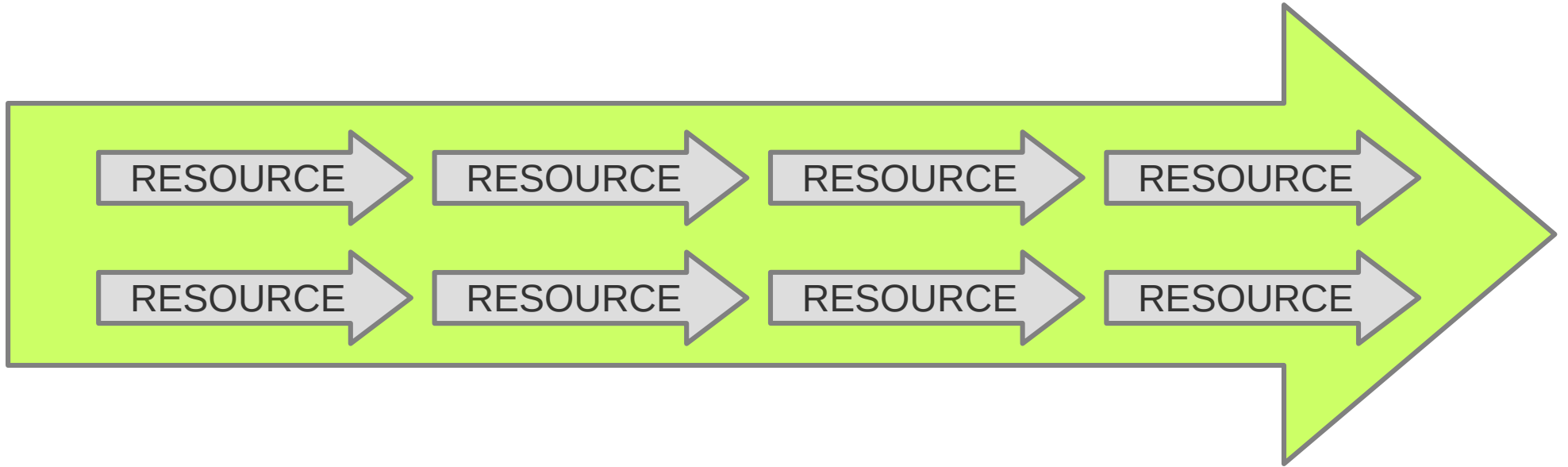
Building the **Medium**, the **Messages** and the **Messengers** into One Whole Activity!  
The Whole Building Process Will Unleash Power  
That Will Be Used to Build the Whole Building Process!

# Organizations, Groups, People and resources...



Society is made of billions and billions (value) in diverse resources, **already acquired** and **not always 100% used**...

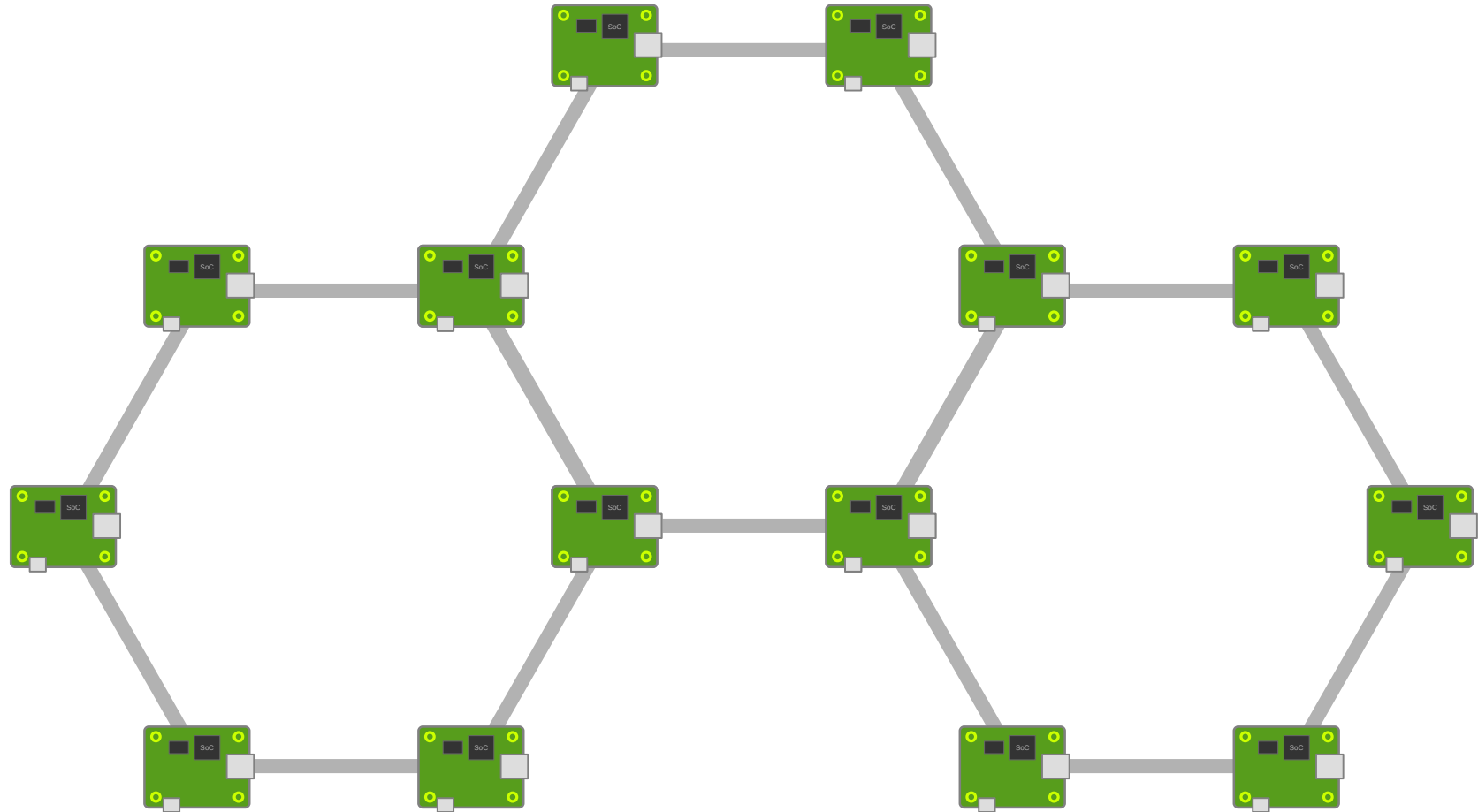
**Pool of Resources into a **PEER TO PEER Network...****  
**Or,**  
**Pool of Resources into a **COOPERATIVE...****



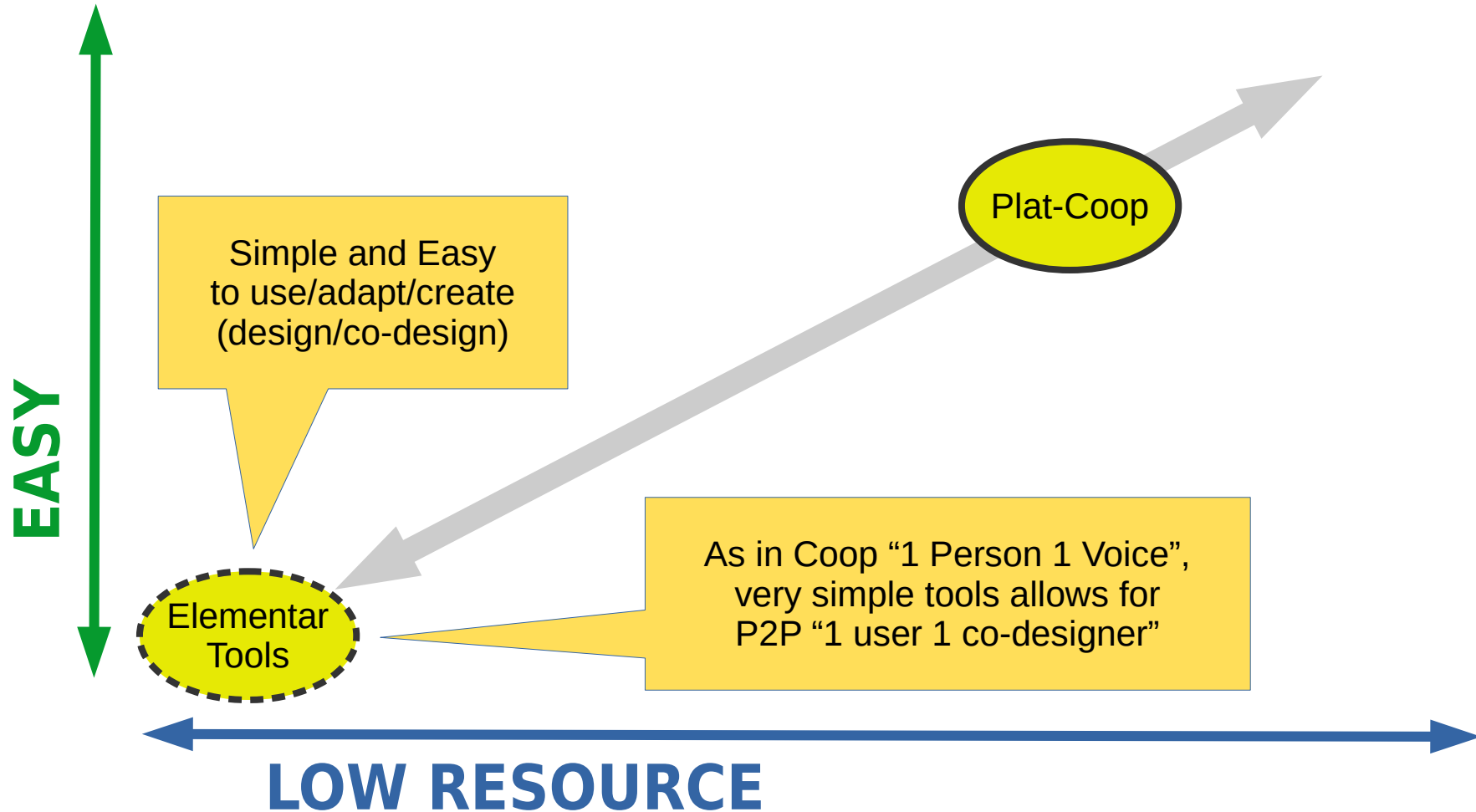
Small percentages of existing resources can come together into “pools”, forming large and powerful cooperatives or P2P Networks...



Each SBC represent 1 person/member, sharing 1%~5% of its Internet power, running for 1 ~ 5 hours a day, cooperating with 1 or many subjects, in 1 or many networks, everything forming a **LARGE POOL** of resources in P2P style...



# P2P/COOP Software Tools



# Tools - Full Range - Simple to Complex

