

# AMDEX & Data Commons

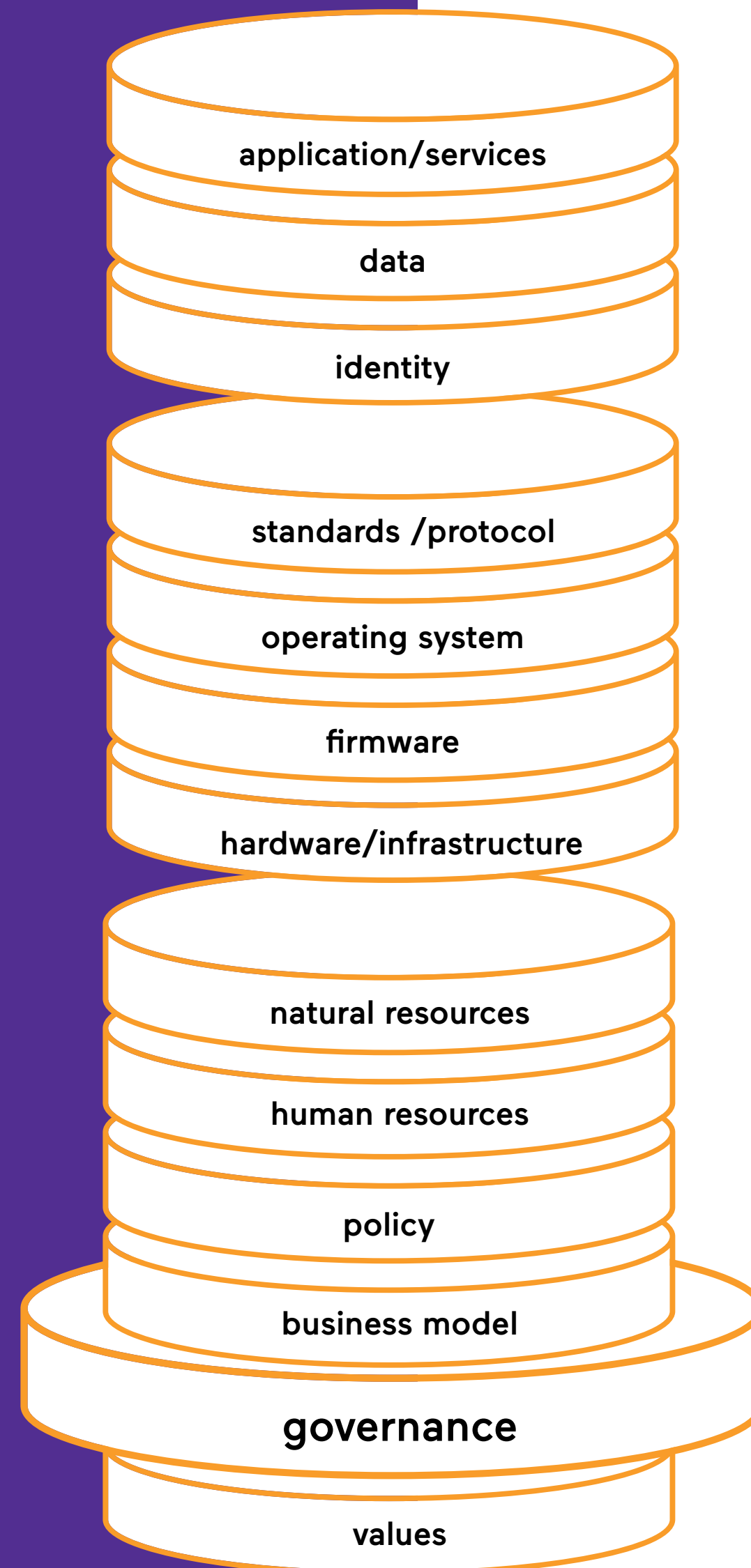
@waag

# Public Stack

citizen

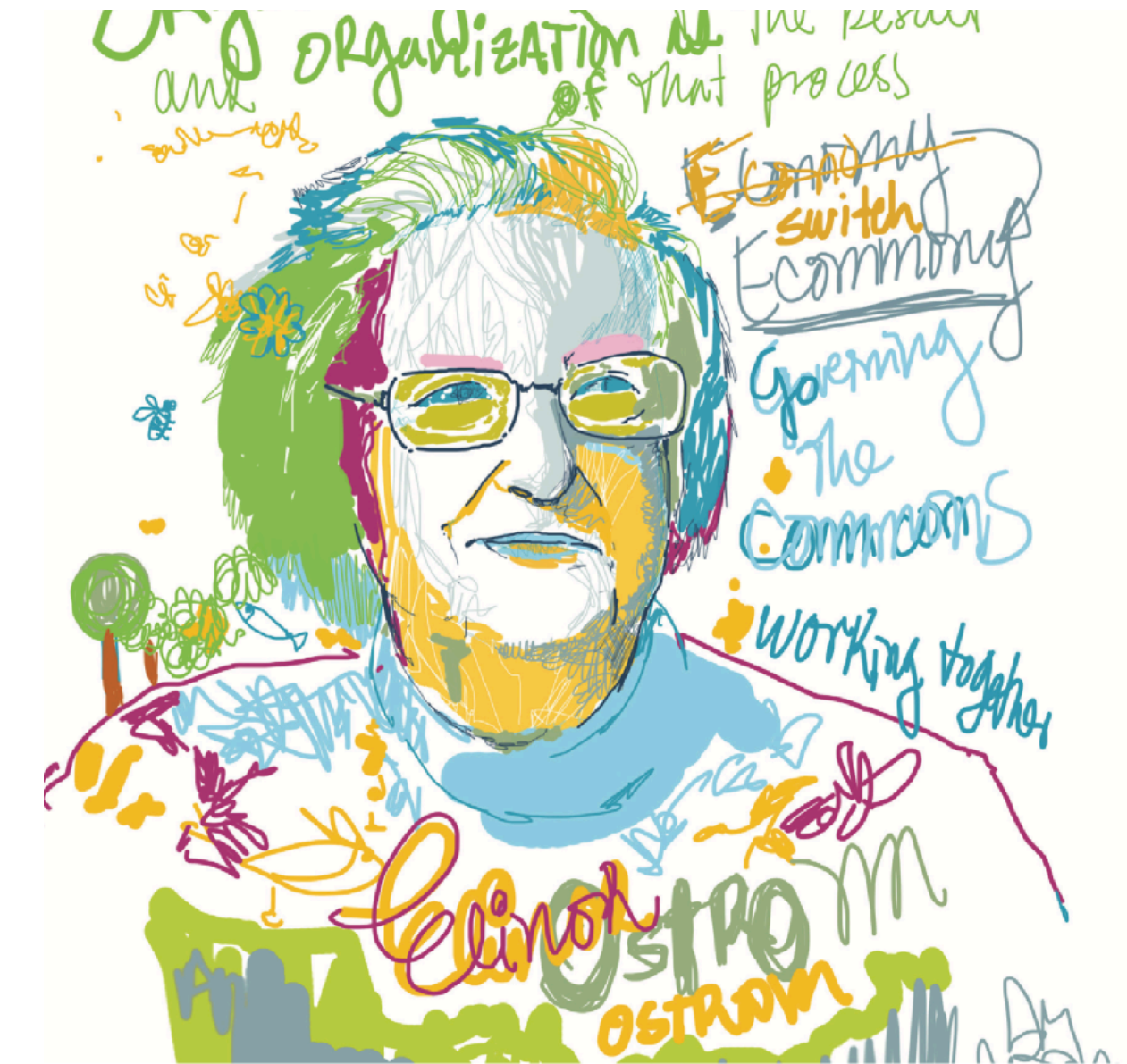
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commons



## Elinor Ostrom's design principles for the commons

1. Define clear group boundaries
2. Match rules to local needs and conditions
3. Those affected can participate in rule-making
4. Rules are respected by outside authorities
5. Members monitor each others' behaviour
6. Use graduated sanctions for rule violators
7. Accessible means for dispute resolution
8. Nested commons for interconnected systems



Commons are **shared resources**, managed and maintained by a **community** on the basis of mutually agreed and enforced **rules**

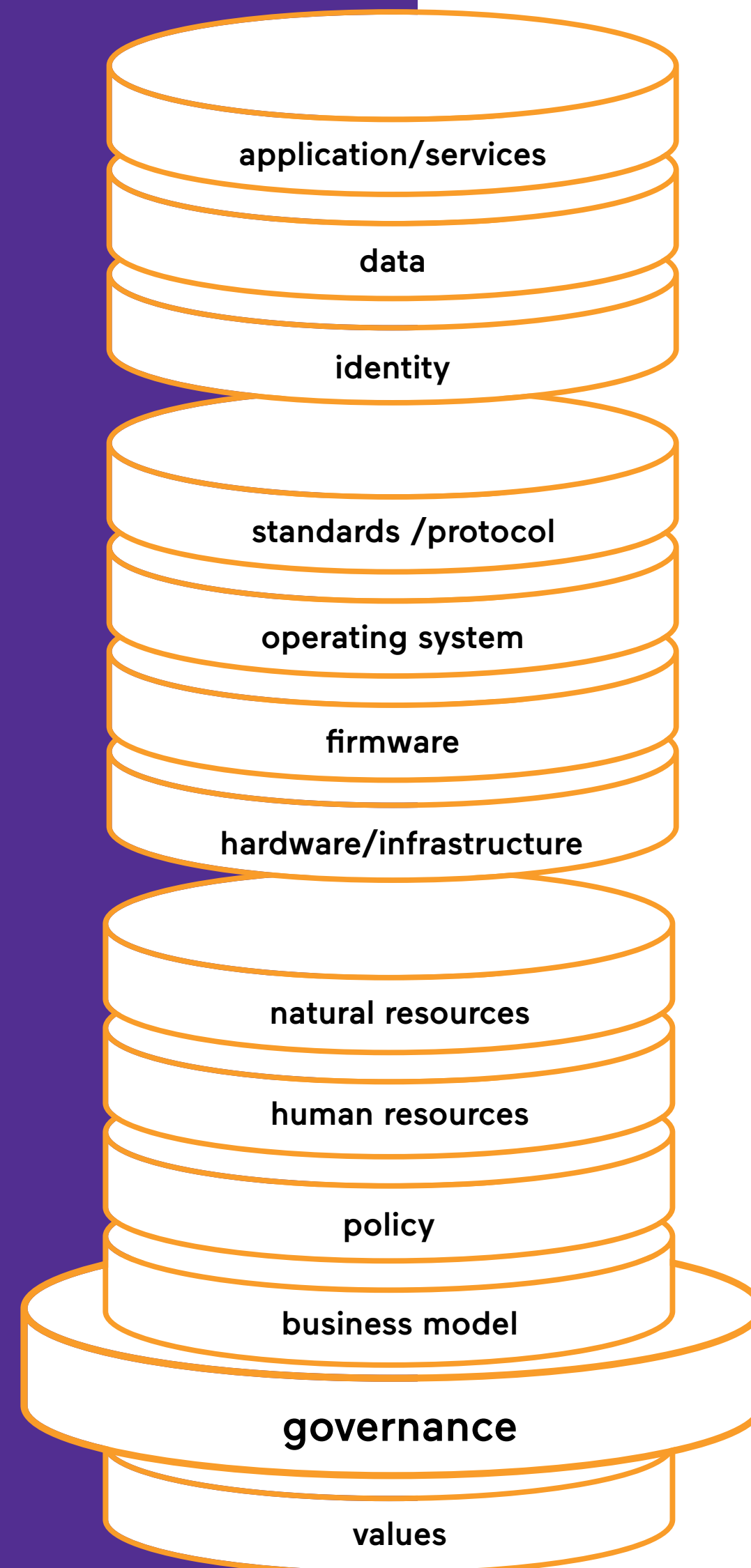


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Commons are vulnerable for **over-extraction** and the **free-rider** problem. Boundaries, rules and monitoring are needed to avoid this



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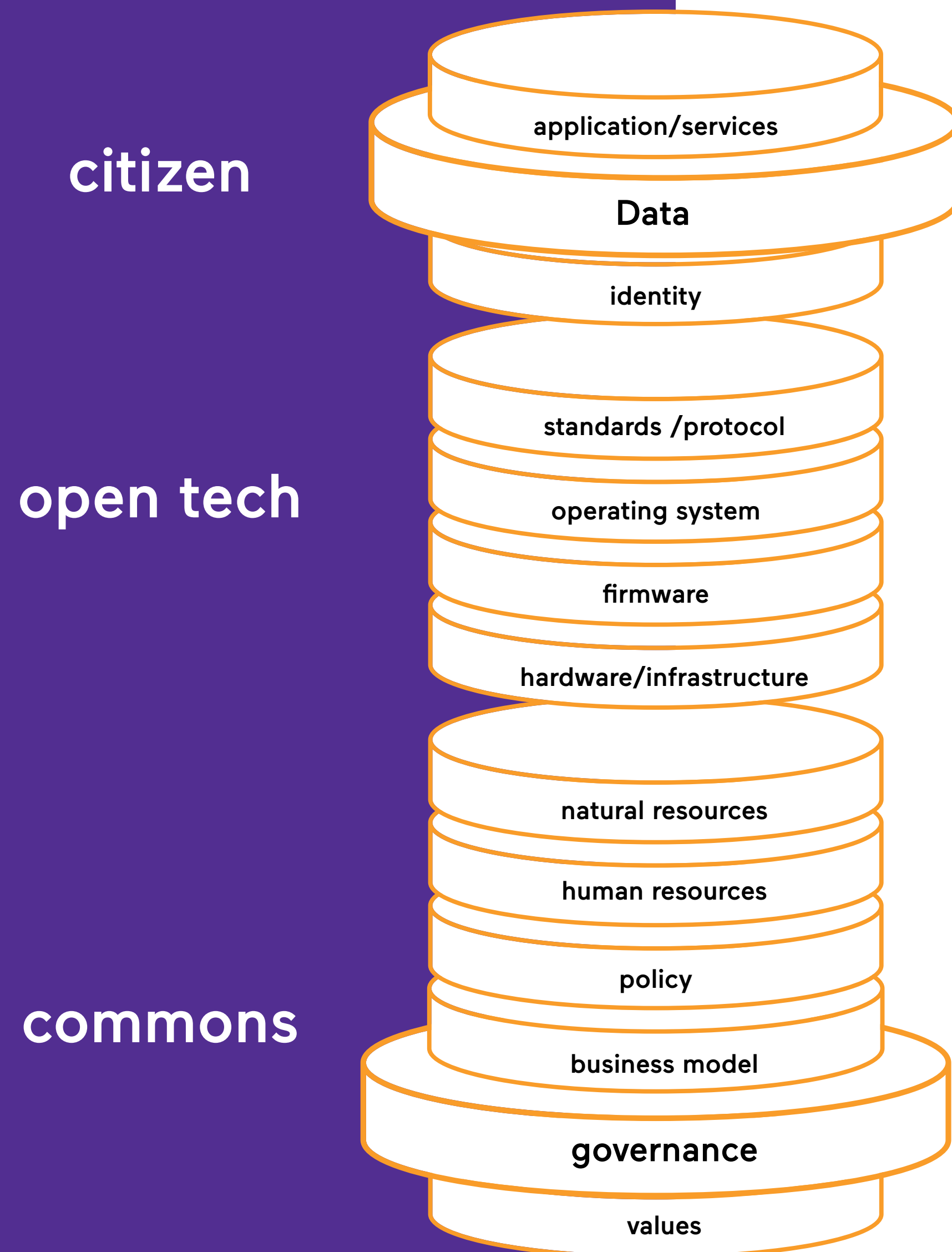
## Data Commons

### Over-extraction of data

Usage that is in conflict with the values of a community

### Boundaries of a data common

What organizations can participate in a data common and under which conditions?

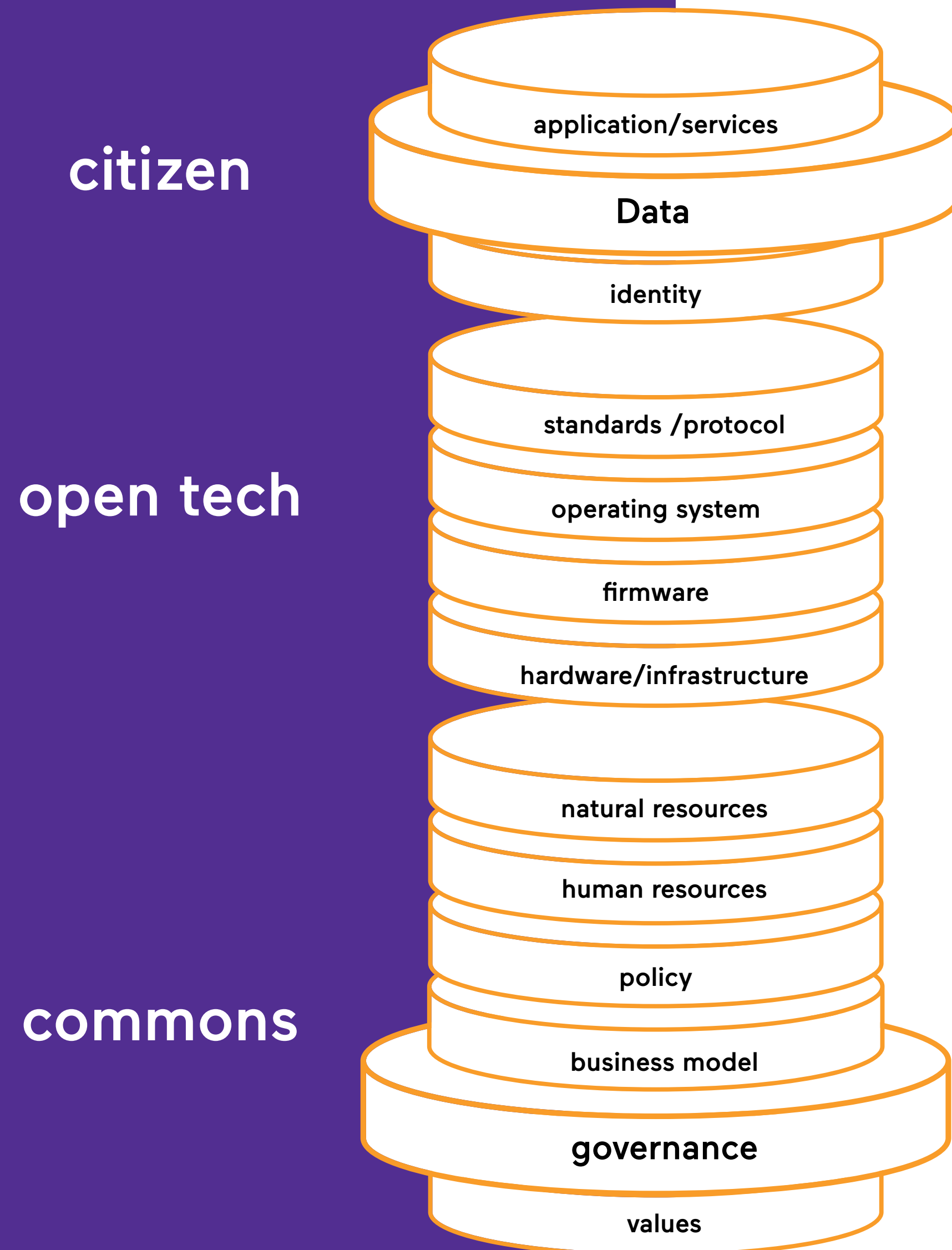


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## Data Commons and AMDEX

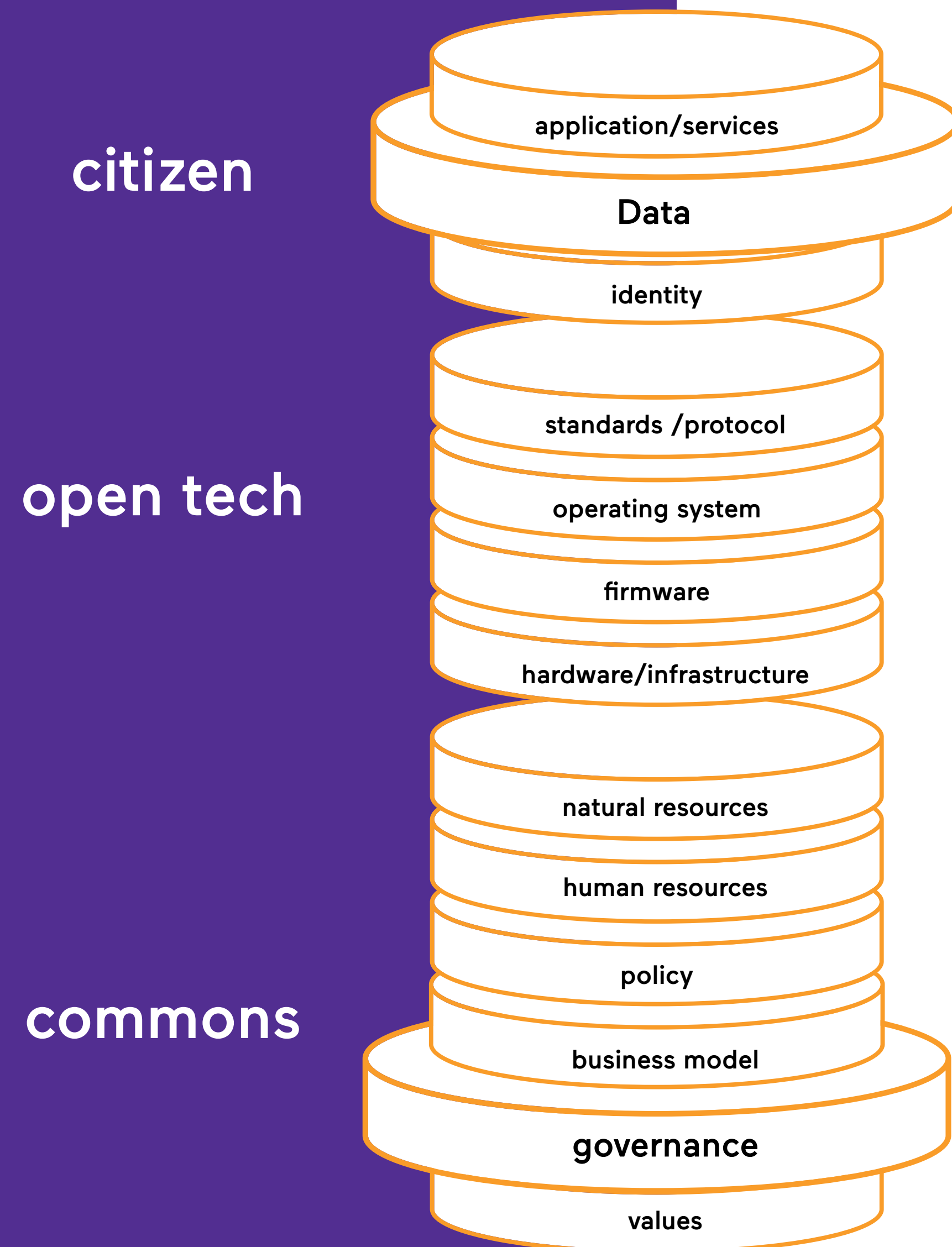
### AMDEX as a trust provider

- **Assist** with finding the right conditions by providing digital templates and experience
- **Monitoring** the enforcement of these conditions by digital means, without being a platform or a data common



# Public Stack

## Data Commons – Open questions



### **Collective decision making**

How are the rules of a data common collectively determined and maintained?  
Would a voting mechanism be useful?

### **Dispute resolution**

There should be an accessible and transparent resolution process for conflicts within a data common