Communication community

What do we need?
Where can we get it?
What can we do?

(Light offered by P Horger, CC)

Goal: Privacy

- I want my privacy back!
  - Normal privacy − no shelter for people with crime or terrorism background
  - A door where investigators have to knock but will be let in if they present a warrant ...
  - ... in a jurisdiction where they need a warrant
- What do *you* want?
  - ...
- Also, more fair components, but today focus on privacy
- Let's build a formal communication community!

Need for consistent privacy

- Too many gaps in all current approaches
  - Everybody have their paranoid focus but also their blind spots
  - Need for comprehensive approach

Patchy privacy = no privacy!

Privacy item matrix

- Example

	A	B	C	D	E
1			involuntarily publicized private information/ overburdened user	corporate data collection	data collection of spying agencies
2	physical access to mobile phone				
3		unencrypted data storage			
4	network				
5		weak network encryption			
6		meta data			
7		unencrypted content			
8	triangulation				
9		by telecom provider			
10		by protocol SS7			
11		by phone firm ware			
12	software				
13		data using OS			
14		apps phoning home			

- This is a proposal - ideas welcome!

Why community?

- Because no one can protect his or her privacy alone
- User controlled community as a trust center

Community wish list

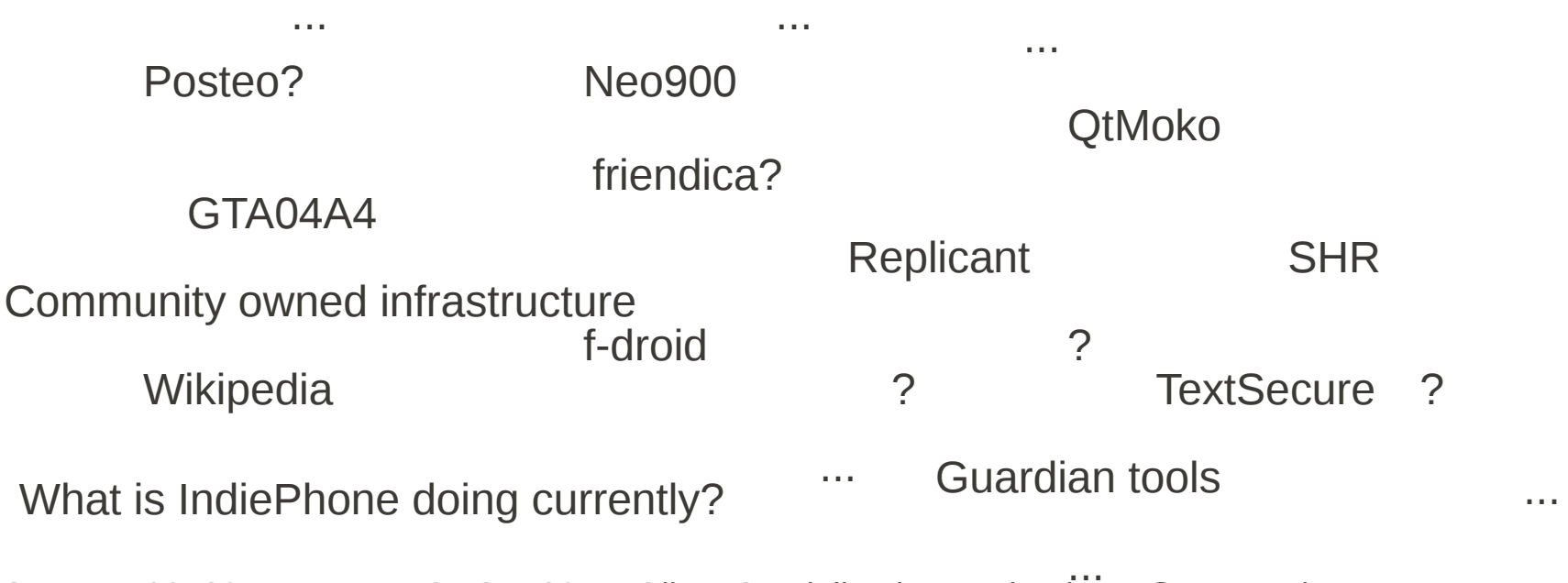
- Phone hardware (already available)
  - Test resources (power management, …)
  - Research resource for fair components
- Network transport
  - GSM ???
  - Wifi (but MAC address collected by third parties)
- Community infrastructure
  - Proxy (to wipe browser finger-prints, bundle traffic)
  - Secure service alternatives (text, social media, ...)
  - Security through openess in server administration
    - ... to keep control in the hands of users

Wish list (cont'd)

- OS and software
  - Cover whole chain of trust
  - Communication community OS distribution
    - Pre-installed/community checked secure apps and software
    - Encryption made as easy as possible
    - Certification by community
  - Test resources for software
    - Avoid next Heartbleed bug

Where do we get it?

- You name it!
- A myriad of good projects exist already
- A private ecosystem with:



Link communities

- More inter-project collaboration needed
  - ➔ Create seemless ecosystem
- Agree common goals
- Agree quality standards

Governance

- The Communication Community must be controlled by users
- Otherwise more dangerous than without central services to users

Decision making

- Democratic decision on the level where it makes most sense
  - committees possible
- Who is constituency of Communication Community? Who has a say?
  - All people interested in the community?
  - All people with subscribed membership?
  - Co-workers/Employees of the community?

Sources of resources

- Annual membership fee
  - Different amounts in different countries and stages of life
    - Payment in (nerd) kind, i. e. community work
  - A foundation for infrastructure investments
  - Venture capital for subprojects (new case design, new privacy feature, ...)

Money must not be motivation but can make good things possible!

What can we do?

- Continue to develop a vision
- Start with small steps
  - Create holistic privacy matrix
  - Bring your ideas!
  - Communicate among projects
    - Who has ties with other projects?
  - Identify open issues
  - Evaluate ecosystems accordingly

--> Reclaim the Internet!