

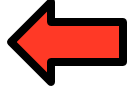
On Protecting Unassigned Addresses

discussion summary and analysis

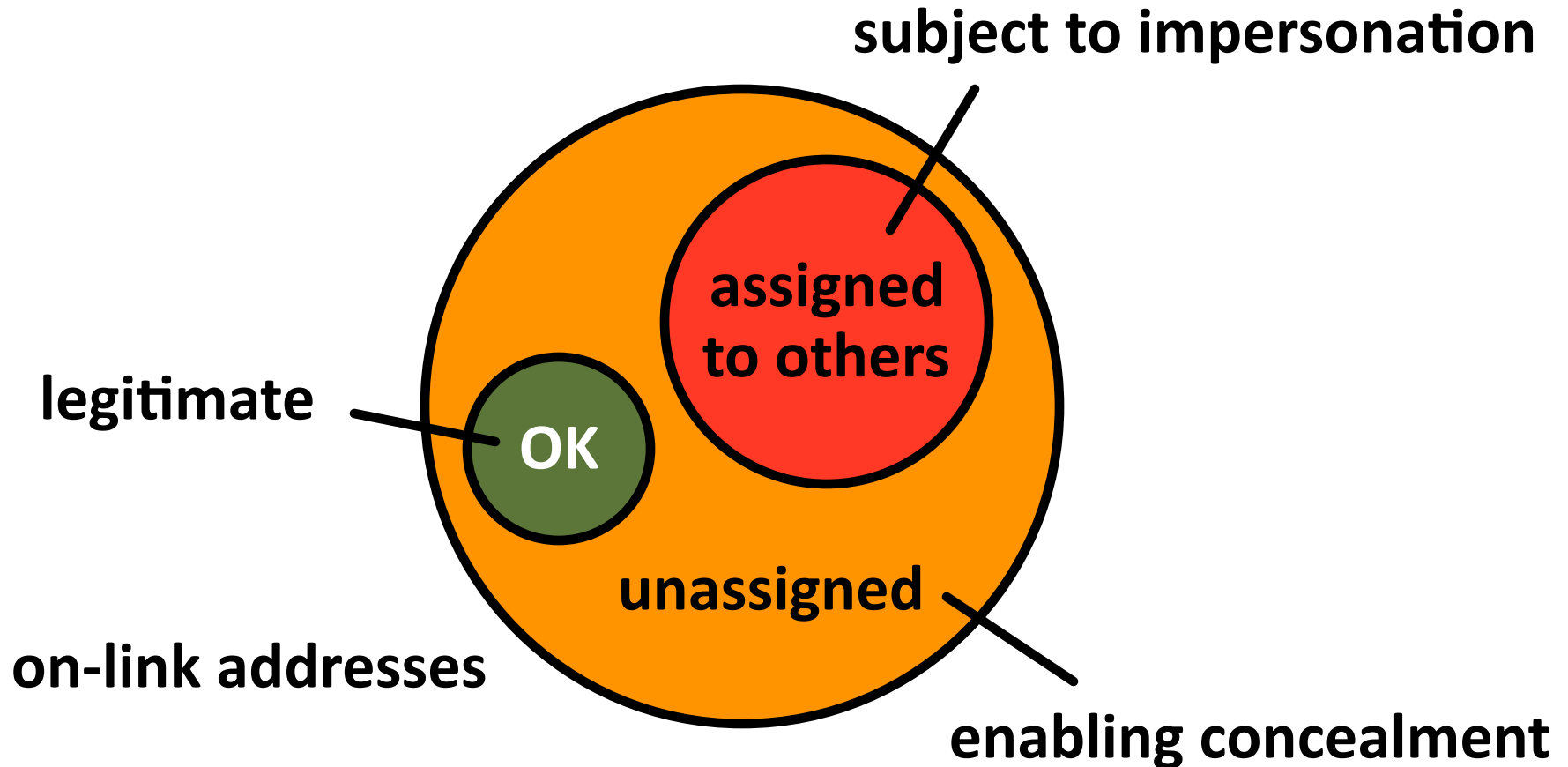
Christian Vogt

SAVI working group meeting at IETF 75. July 30, 2009

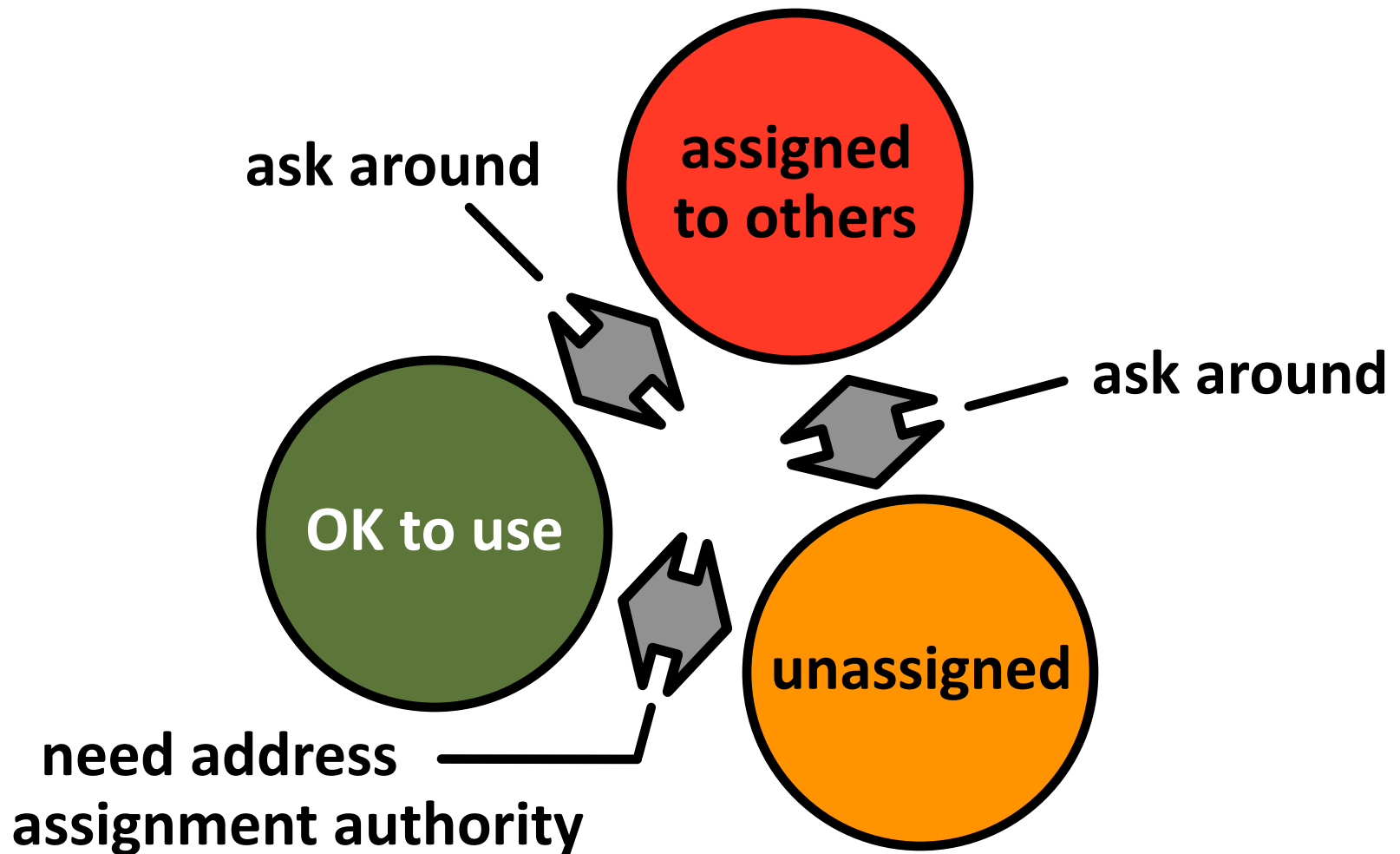
Objectives of SAVI

- IP spoofing threats of two types
 - impersonation  **mandated by charter**
 - concealment
- existing protection insufficient
 - too coarse
 - IPv4-only
 - not standardized
- SAVI to fill the gap

Threats Target Different Address Pools



Address Pools Not Always Distinguishable



- impersonation protection always possible
- concealment protection requires DHCP

Existing Solutions Well Suited

- FCFS best fit for Stateless Autoconfiguration
 - extra robustness through reactive binding
- CPS best fit for DHCP
 - concealment prevention through drop on absence of binding
- each in separate document?