Geo-WHOIS

Situation

- Apps want location information for users
  - Content localization, LBS, fraud mitigation, …
- They can't ask the networks, so they guess
  - WHOIS, traceroute, WiFi/cell tower, …

Problem

- Apps get low-quality information
- Subscribers get degraded service
- Operators don't have a good channel to fix problems
- Interim solutions are doing very bad things for privacy

Solution (?)

geoloc: **https://lis.example.org:4802/**

geoloc: **geo:42.389984,-71.1471;u=2500**

- Add an explicit geolocation field to WHOIS
- Contents: URI pointing to location resource
  - HELD for granular location (prefix, address) [RFC5985]
  - GEO for static, generic location [RFC5870]
- Indirection allows operator control of privacy
- Proposals under consideration in RIPE, APNIC