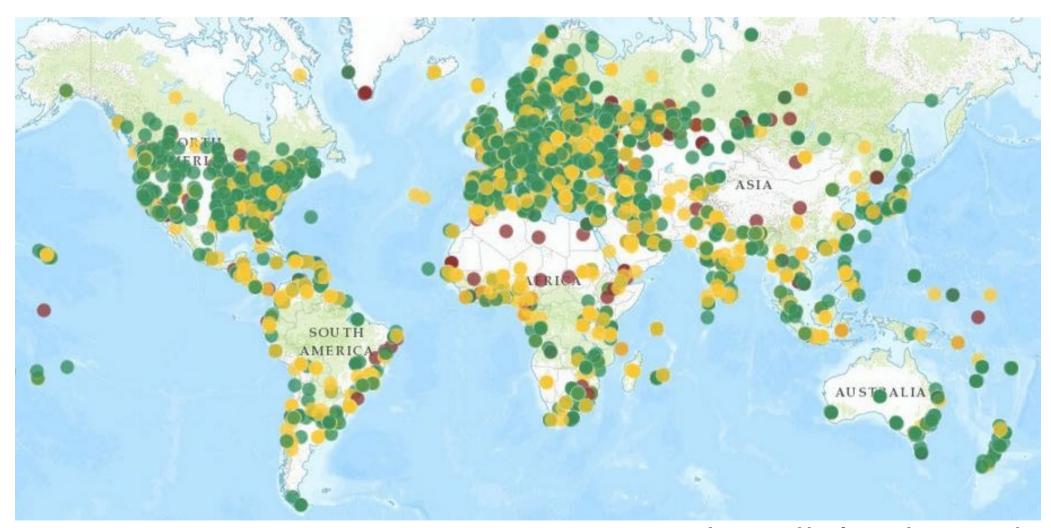
# IXP-Jedi – finding routing issues

#### Atlas probes



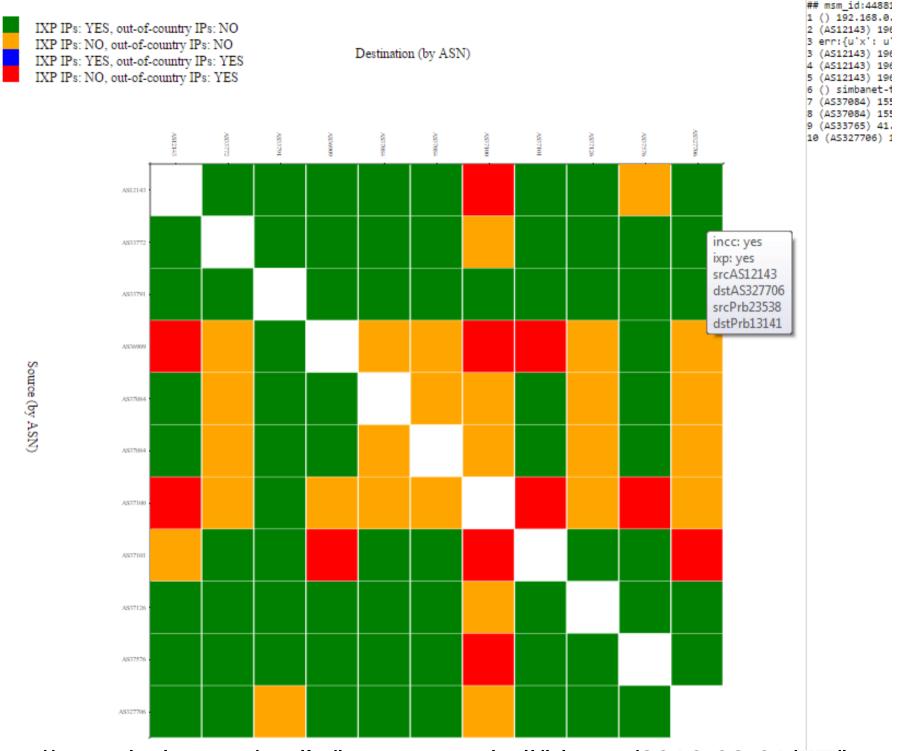
https://atlas.ripe.net/

### Probe at TIX



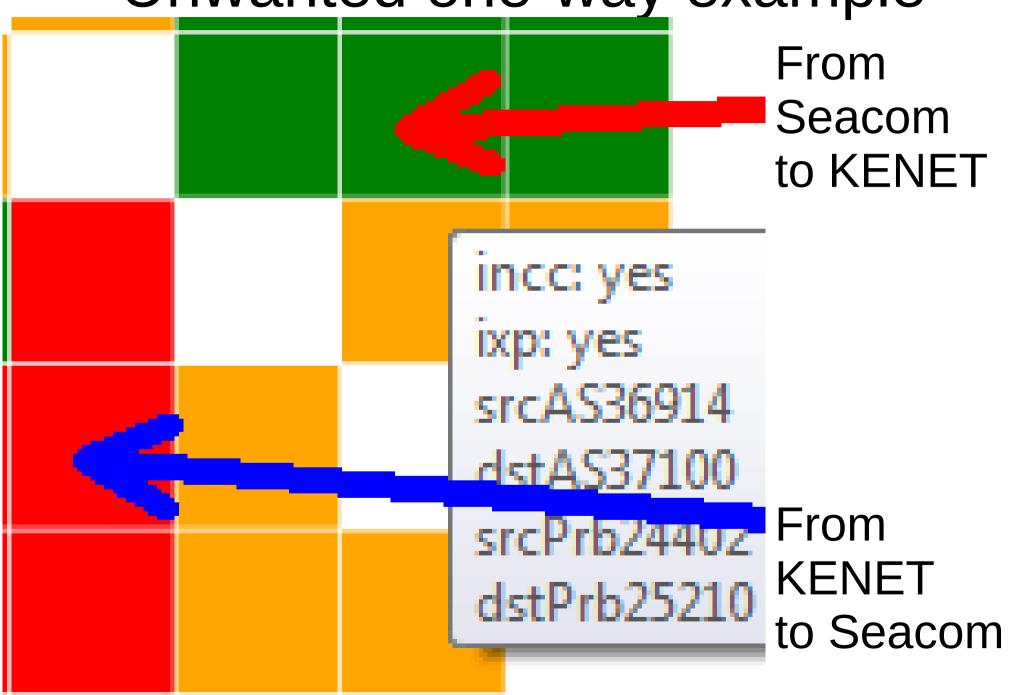
## RIPE Laps experiment

- https://labs.ripe.net/Members/emileaben/measuring-ixps-with-ripe-atlas
- Run monthly
- Source code available
  - Means you can do your own tests (with Atlas credits)
- Tests Atlas probes in a country and whether traceroutes between them traverse IXP



http://sg-pub.ripe.net/emile/ixp-country-jedi/history/2016-08-01/TZ/ixpcountry/

Unwanted one-way example



# More examples of unwanted routing

 Traffic engineering, announcing specifics to upstreams

```
41.138.200.0/24 *[BGP/170] 4d 06:46:32, localpref xx

AS path: 6453 6762 33765 37602 37120 I
```

Not announcing new addresses to IXPs / peerings

### How to fix?

- More attention by engineers
- Real action after notifications
- Attention to it by their "upper layers"
- Only if local traffic is optimised, we get maximum buy-in from the managers
- Only then we can get upgrades to IXP connections