Submarine Cable Status Map Experiment

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The problem

- There is not a single place where near real time operational status for submarine cables are displayed

  - Some operators might be displaying fiber cut info in their pages

  - Many cables to report and too much to coordinate

  - Possible security concerns

  - Marketing

Why?

- If you are buying submarine cable capacity it is not a problem because you are being notified about outages by your provider already (At least I hope you do :)

  - If you simply buy transit , you do not know about what possibly is impacting your performance (your provider's fail over path might not be the best path)

  - Lack of visibility for engineers as they troubleshoot

  - Cool thing to display in offices, NOC walls, etc.

How?

- Create a platform where anyone authorized (volunteers) can have access to system to add/change status (or approve add/change status requests)

- Ensure data is accurate

- Ensure map access granted after a verification process
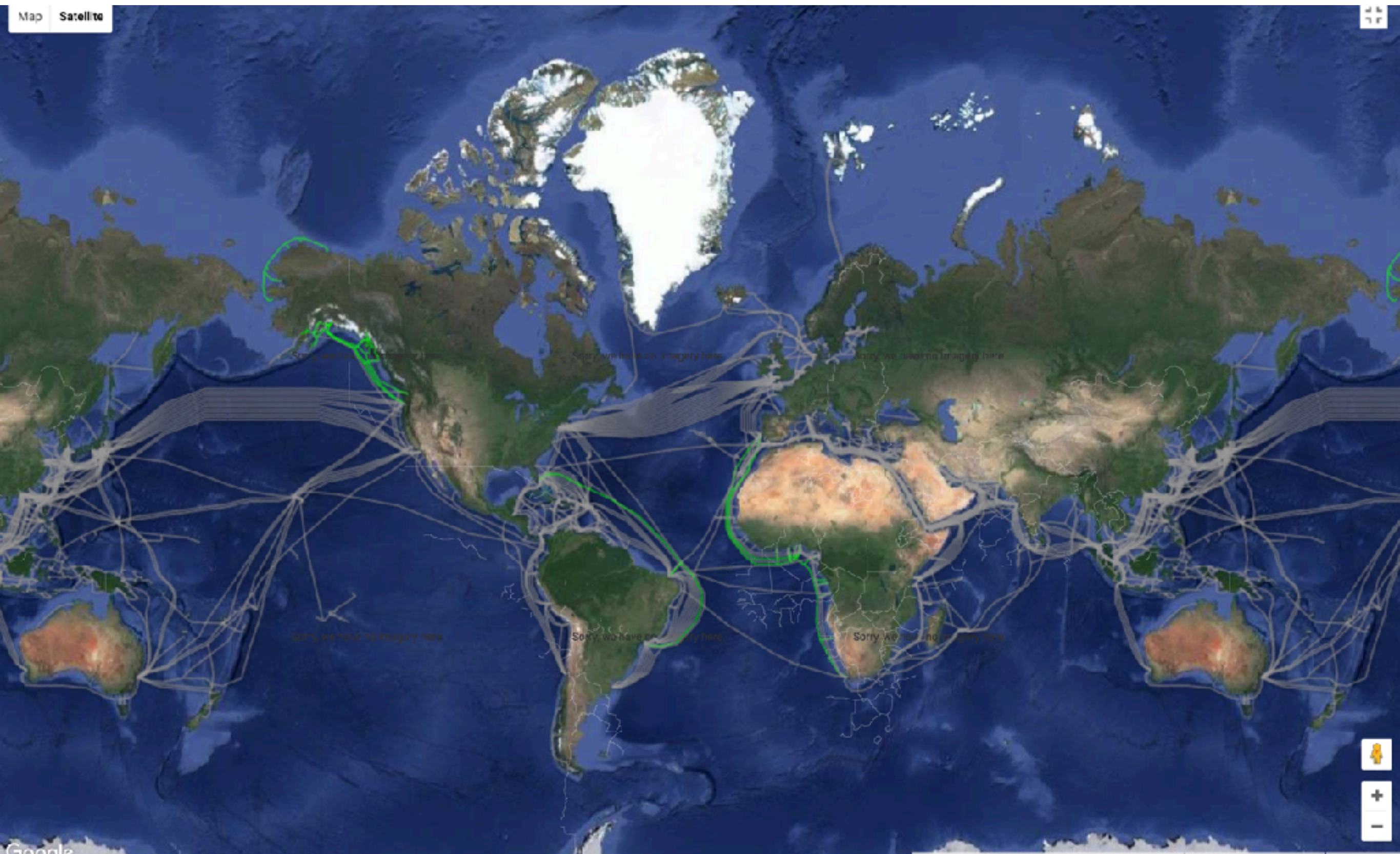
- Pretty similar to PeeringDB's approach

Challenges

- Overwhelming amount of feature suggestions (Thank you!)

- Governance and sustainability of the service

- Data and Clean up

- Funding and prioritization

Todo (or not Todo)

- How about non-subsea routes?

- Decide governance model and proceed accordingly

- Get list of feature requests and work on prioritization

- Based on available funding and prioritization improve the map and deliver features

- API for Integration, Github integration.

- Possibly create different maps!

  - Available capacity, future looks of subsea networks…

Telegeography Data

Demo

https://map.kapany.net

Thank you

- Visit **https://lists.kapany.net** to subscribe mailing list.

- E-mail <u>mehmet@kapany.net</u> for feedback

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