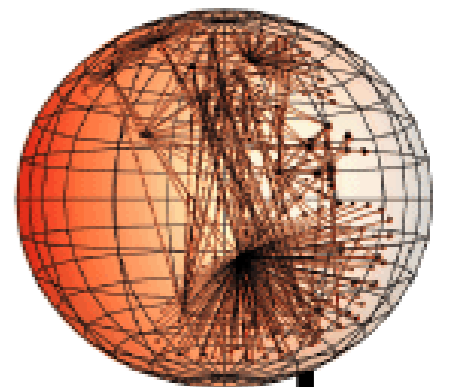


# Visualizing geolocated Internet measurements

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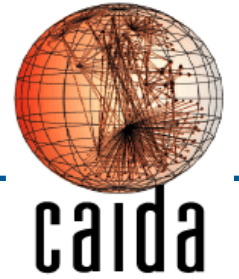
Claudio Squarcella



**caida**



# Internet measurements



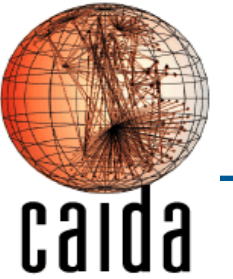
- Lots of nodes, tons of data
  - RIPE services (RIS, TTM)
  - Ark monitors @ CAIDA
  - RIPE Atlas (coming soon!)
- Geographical information
  - some obvious/explicit
  - some inferred with state-of-the-art techniques



***RIPE ATLAS***

# From Data to Visualization

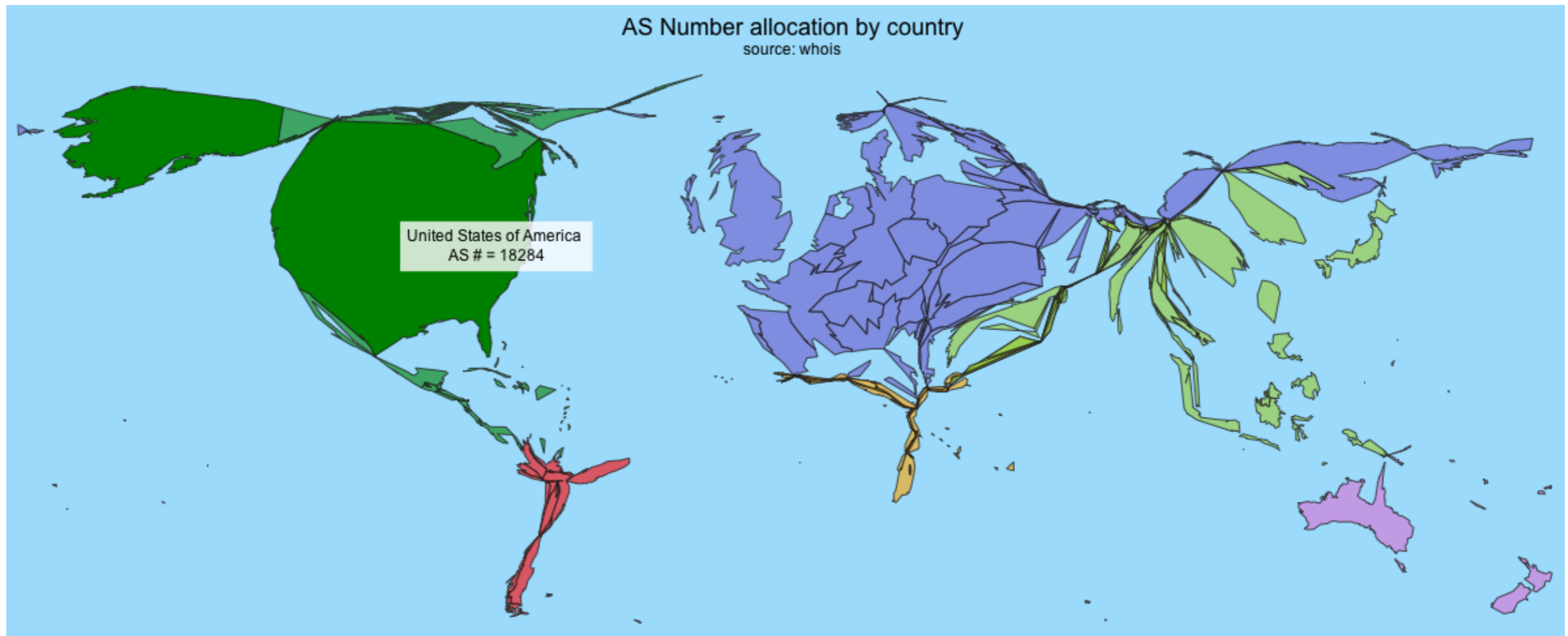
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- Why?
  - convey information about many data points
  - allow analysis and further development
  - observe geographical trends
- How?
  - geography as a **common knowledge base**
  - dynamic, interactive, intuitive tools

# Tools: Cartograms

- distortion reflects data
- it's still a world map!



# Tools: Animated Maps



- Features

- *à la Youtube*



- simple interface

- interactive objects

- Under the hood...

- webapp (j avascript)

- vector graphics (SVG)

- server-side computation





*Yeah yeah,  
whatever...*

*We want to SEE!*



Questions?

