Visualizing geolocated Internet measurements

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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
From Data to Visualization

• 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 (JavaScript)
  - vector graphics (SVG)
  - server-side computation
Tools: Demo

Yeah yeah, whatever...
We want to SEE!
Questions?