

Tackling Big Genomics Data

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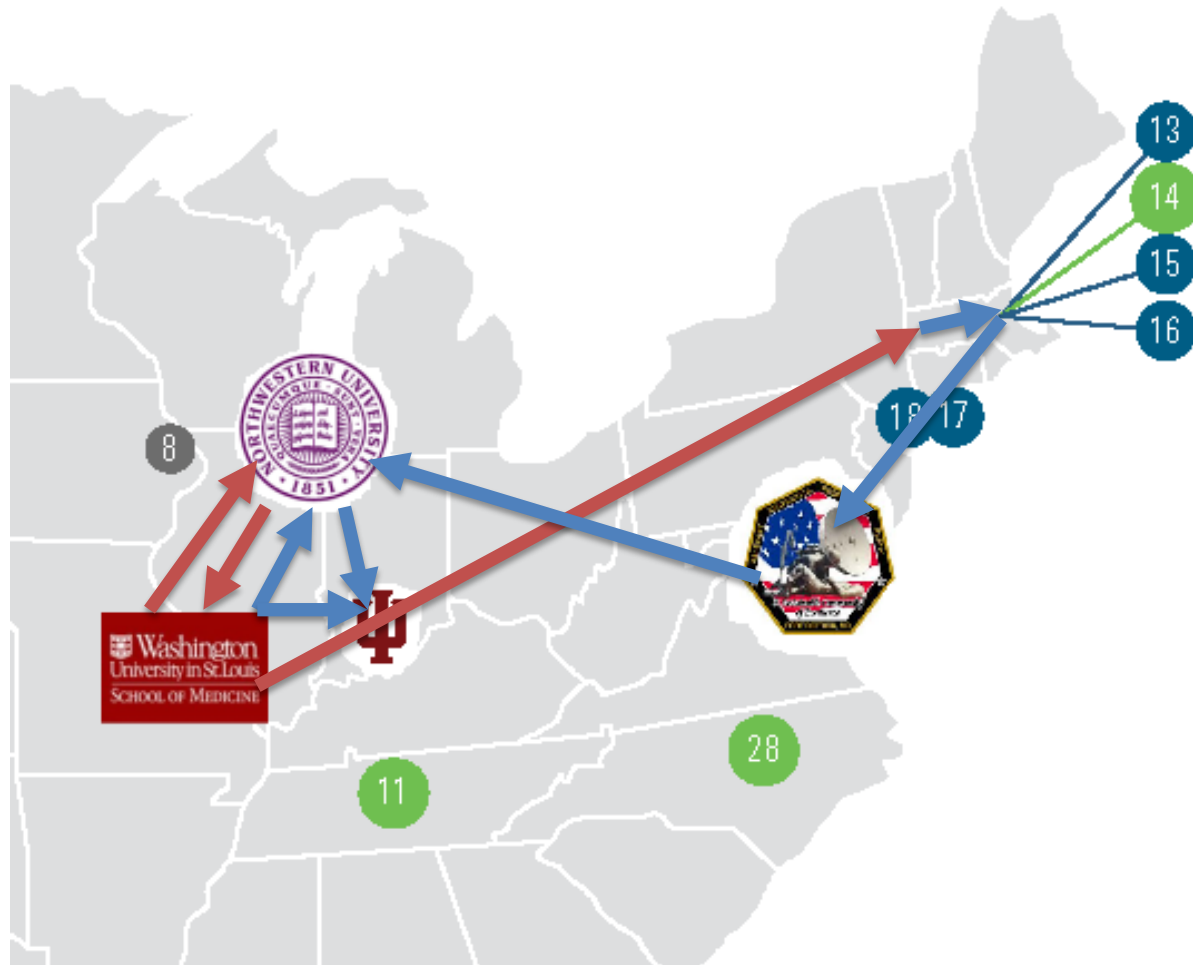
Back of the envelope calculation of the size of the problem

“Consider that if there were 30 000 deployed next-generation sequencers, FT-ICR mass spectrometers, and NMR instruments across the country dedicated to biomedical research, and that each of these produced 100 GB/day of data (on average), then these instruments would produce around 1096 PB of data per year.”



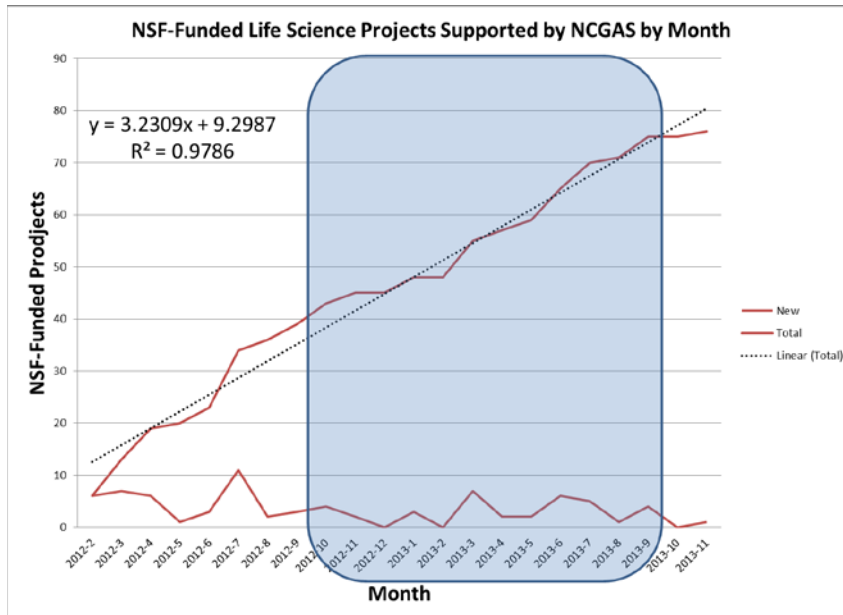
Typical Project

Proteogenomics: Top down vs. Bottom up Proteomics

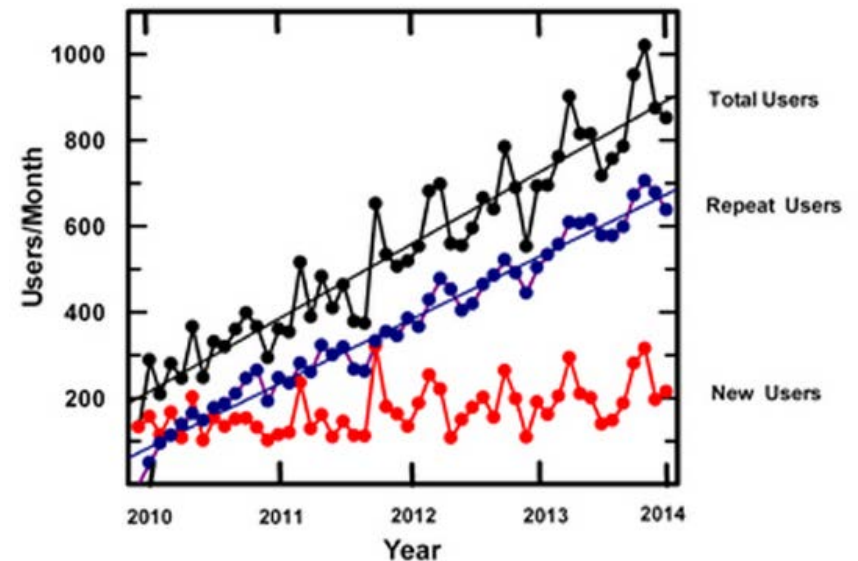


Slow Accumulation of Repeat Users Two Examples

NCGAS Projects



CIPRES Users



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 - NCGAS: 1062432
- Any opinion expressed here are those of the speaker and do not necessarily reflect any views held by any of these agencies



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