



## Threat Analysis: Things That Could Spoil Our Party

Frederik Ramm  
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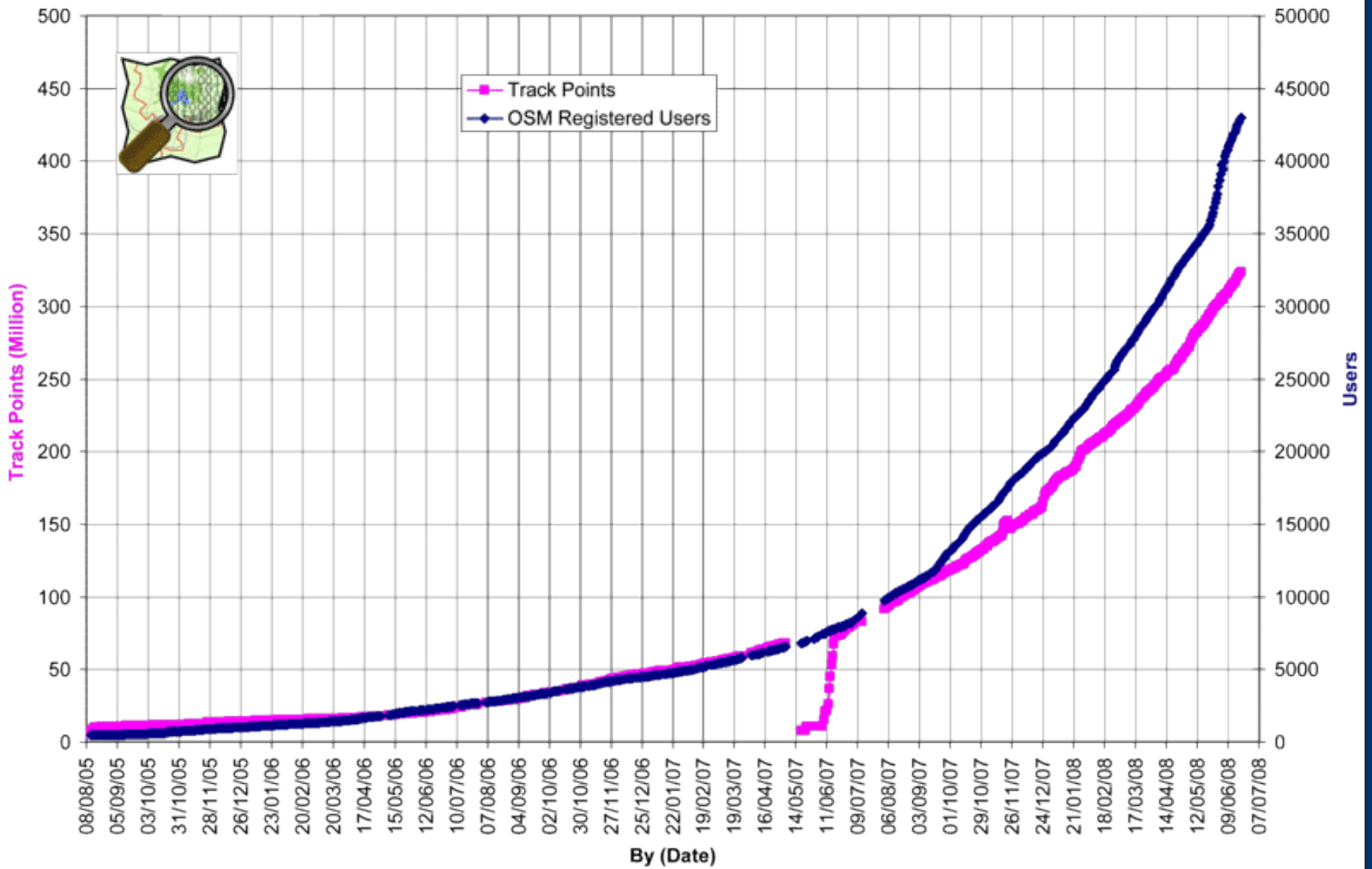
State Of The Map Conference  
Limerick, July 12, 2008

*OpenStreetMap is great.*



# OpenStreetMap Database Statistics

## Users and User gpx Uploads (track points)



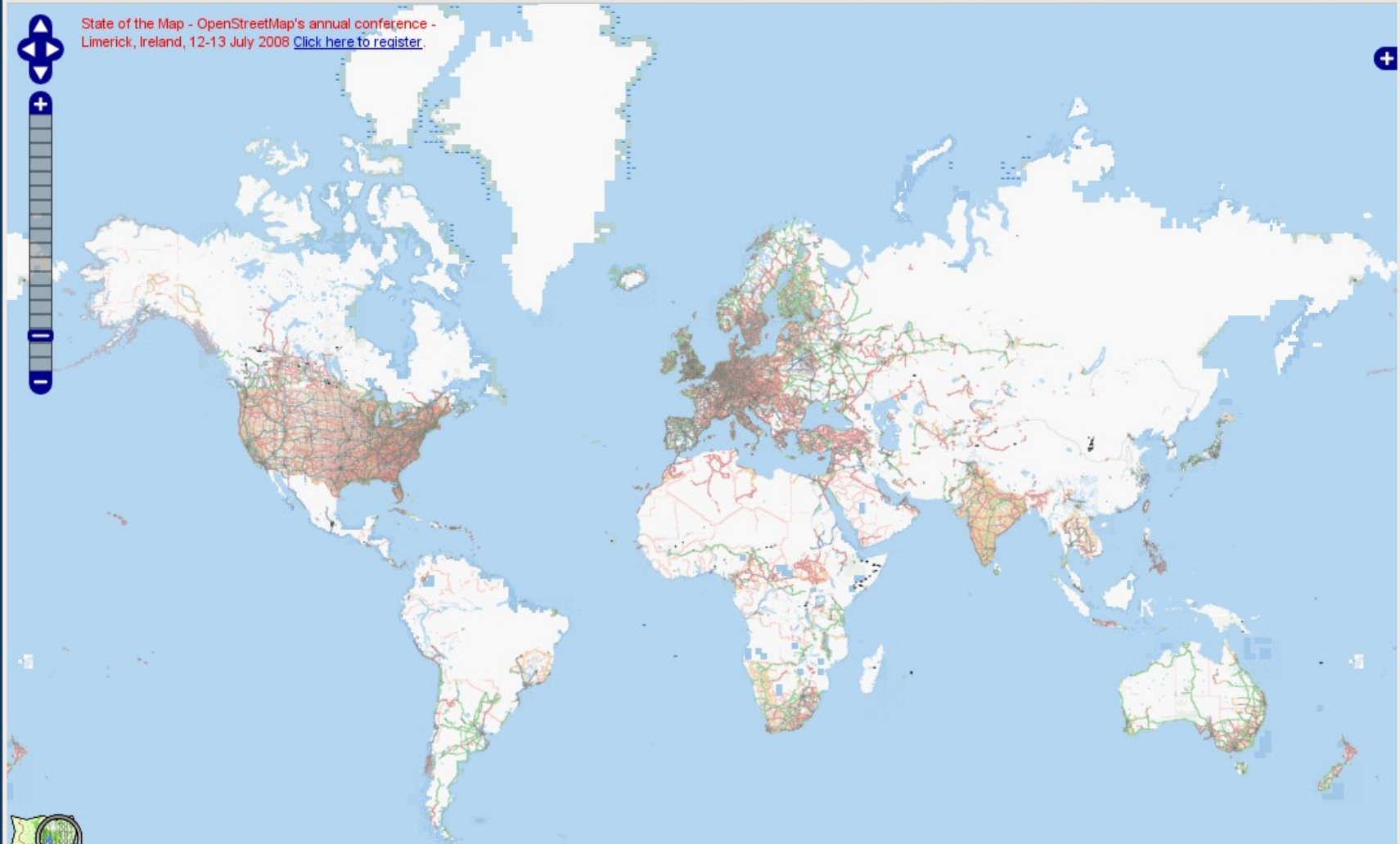
The Information Freeway :: A map of the planet - Iceweasel

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http://informationfreeway.org/ Google

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State of the Map - OpenStreetMap's annual conference - Limerick, Ireland, 12-13 July 2008 [Click here to register.](#)




Permalink

Lat: 83.0449 Lon: 21.4902 Zoom: 2

Done

SOME RIGHTS RESERVED [Render requests](#) At zoom 12: r=render, i=info, l=land, s=sea, x=mixed. At zoom 8: r=render.

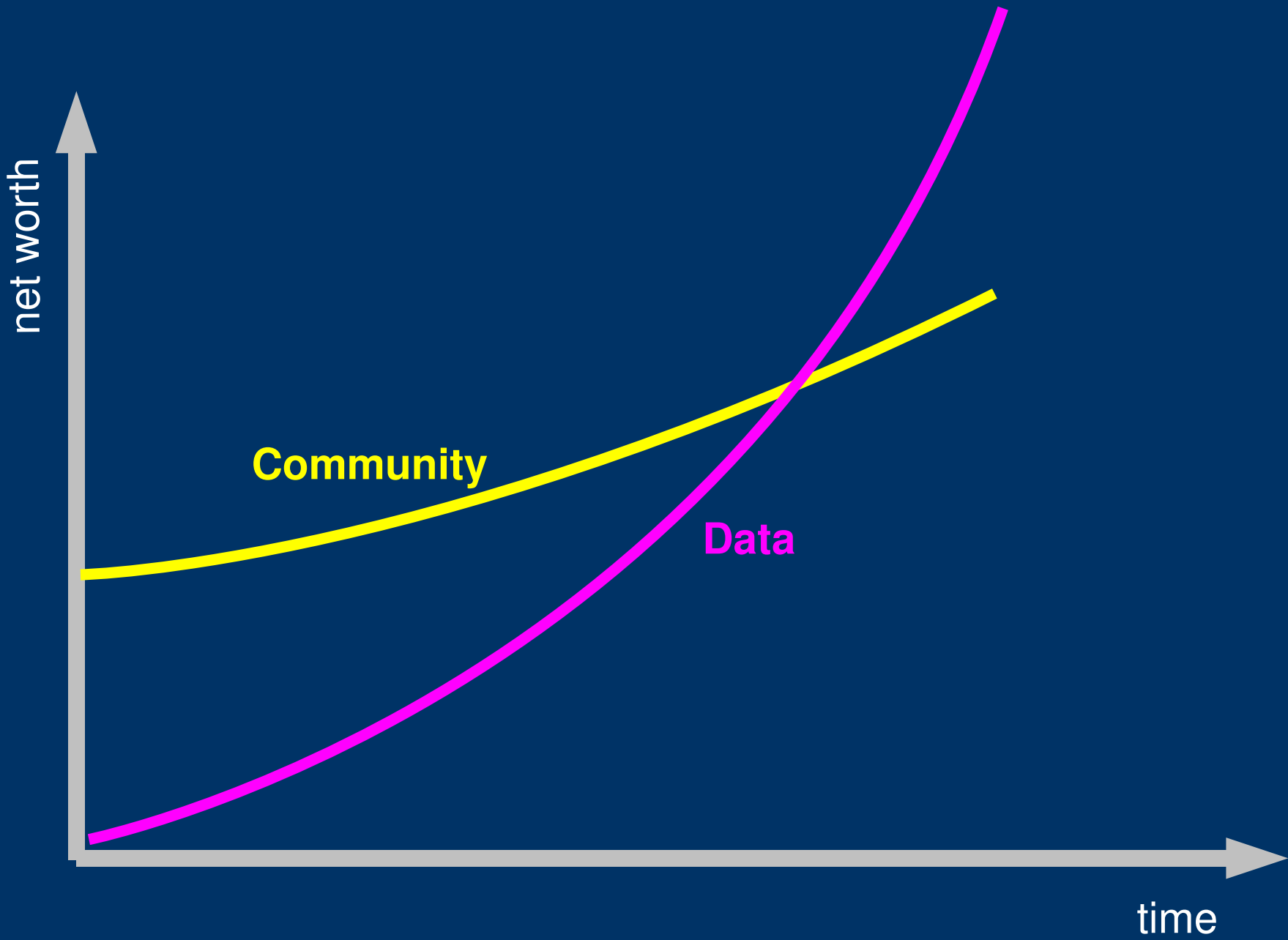


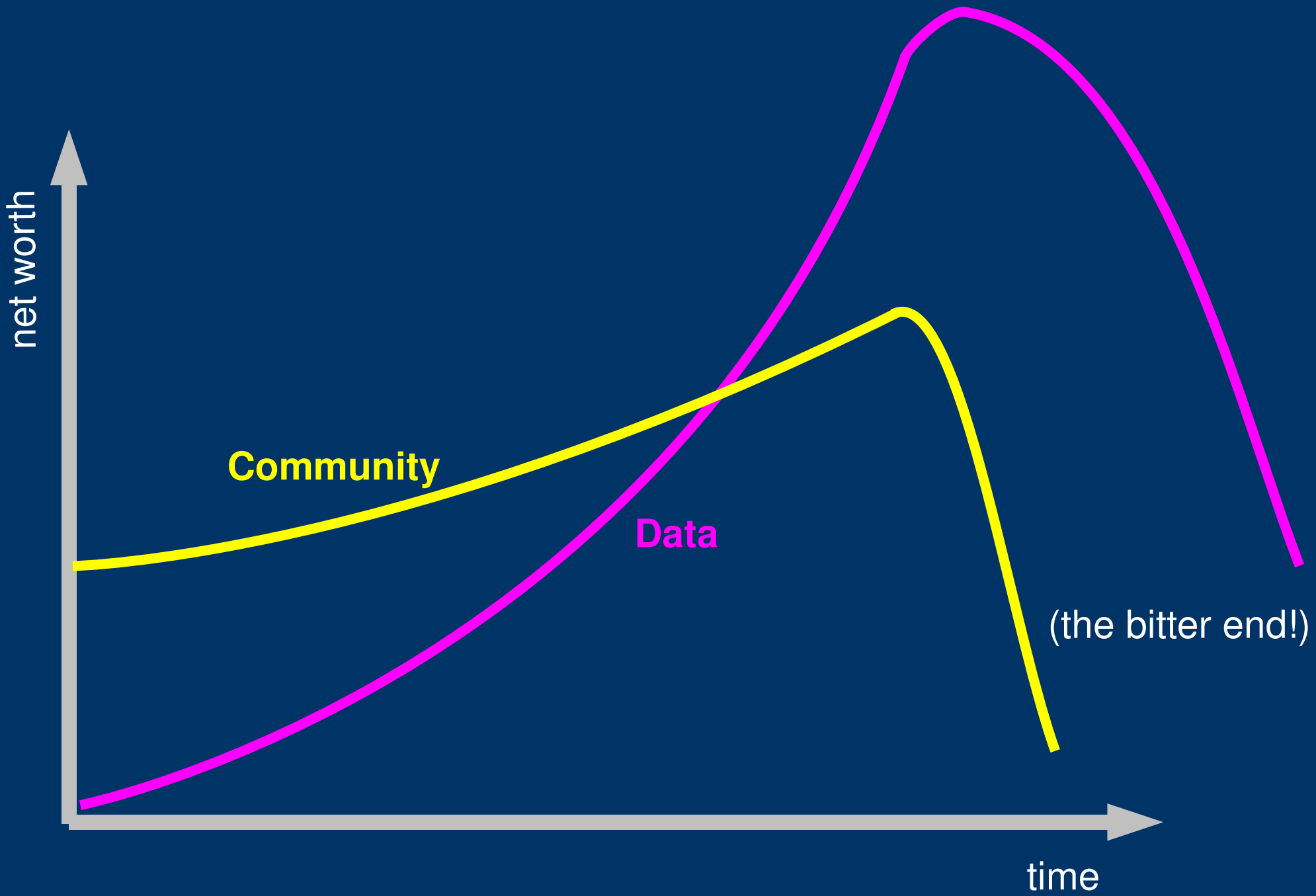
***Nobody can take that away from us.***

***Right?***

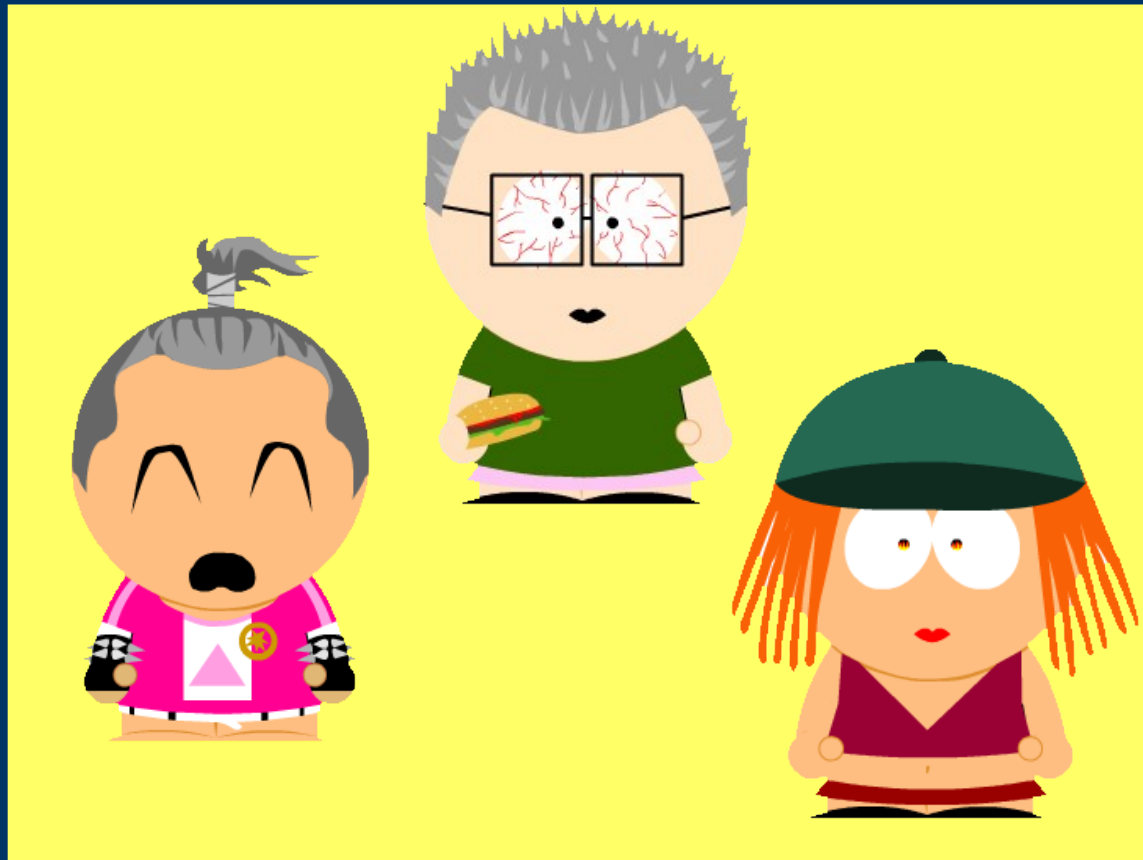
***Right???***







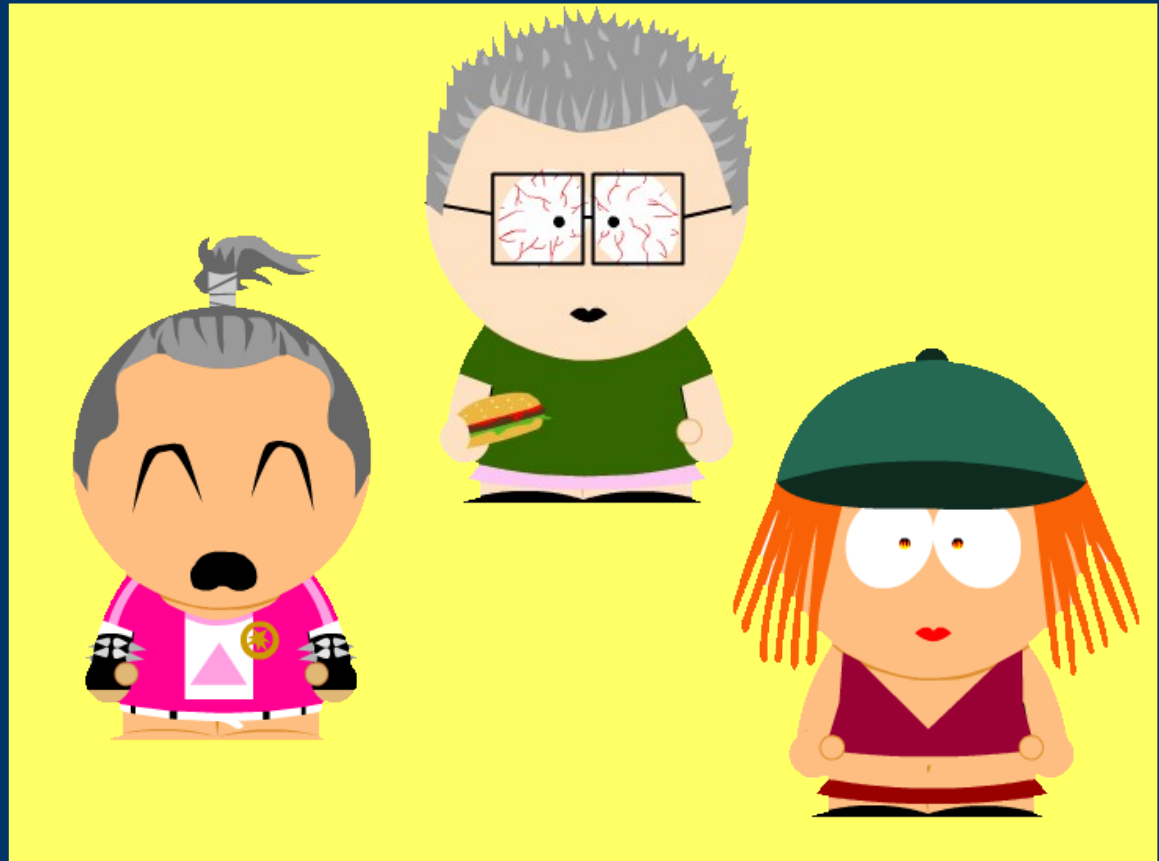
Happy OSM country where the sun always shines!







Happy OSM country where the sun always shines!





## *Threats from outside*



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- Vandalism & Sabotage



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- Legal challenges “SCO type”
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→ makes license unworkable





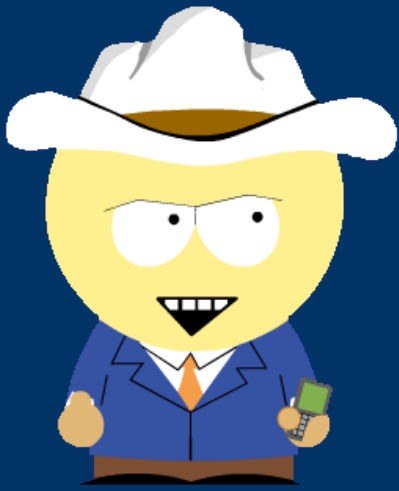
## *Threats from outside*

- Changes in IP law  
e.g. “facts are free”  
→ makes license unworkable
- Other legal changes  
e.g. regulation of geodata market



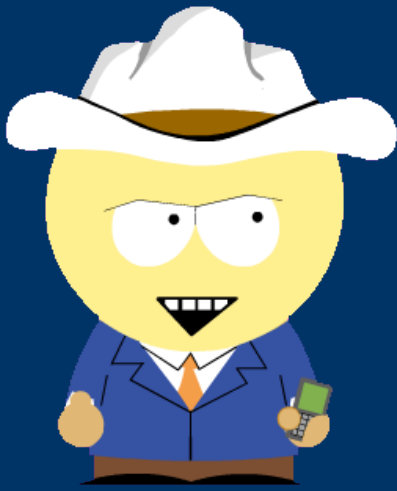
## *Threats from outside*

- Changes in IP law  
e.g. “facts are free”  
→ makes license unworkable
- Other legal changes  
e.g. regulation of geodata market  
→ might drive OSM  
underground



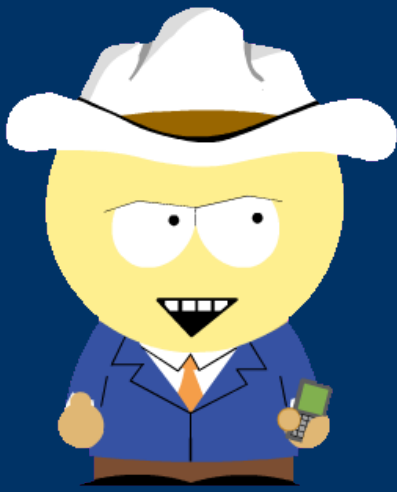
## *Threats from outside*

- Competition outperforms us on a non-free license



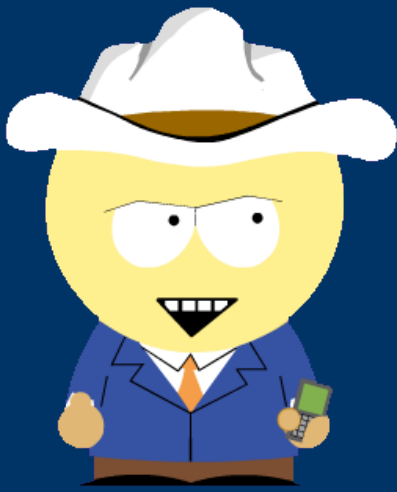
## *Threats from outside*

- Competition outperforms us on a non-free license  
→ risk of “capture”



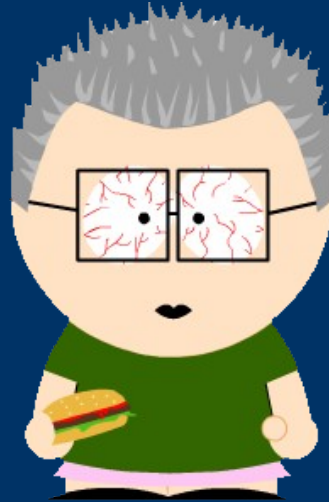
## *Threats from outside*

- Competition outperforms us on a non-free license  
→ risk of “capture”
- Competition outperforms us on a free license



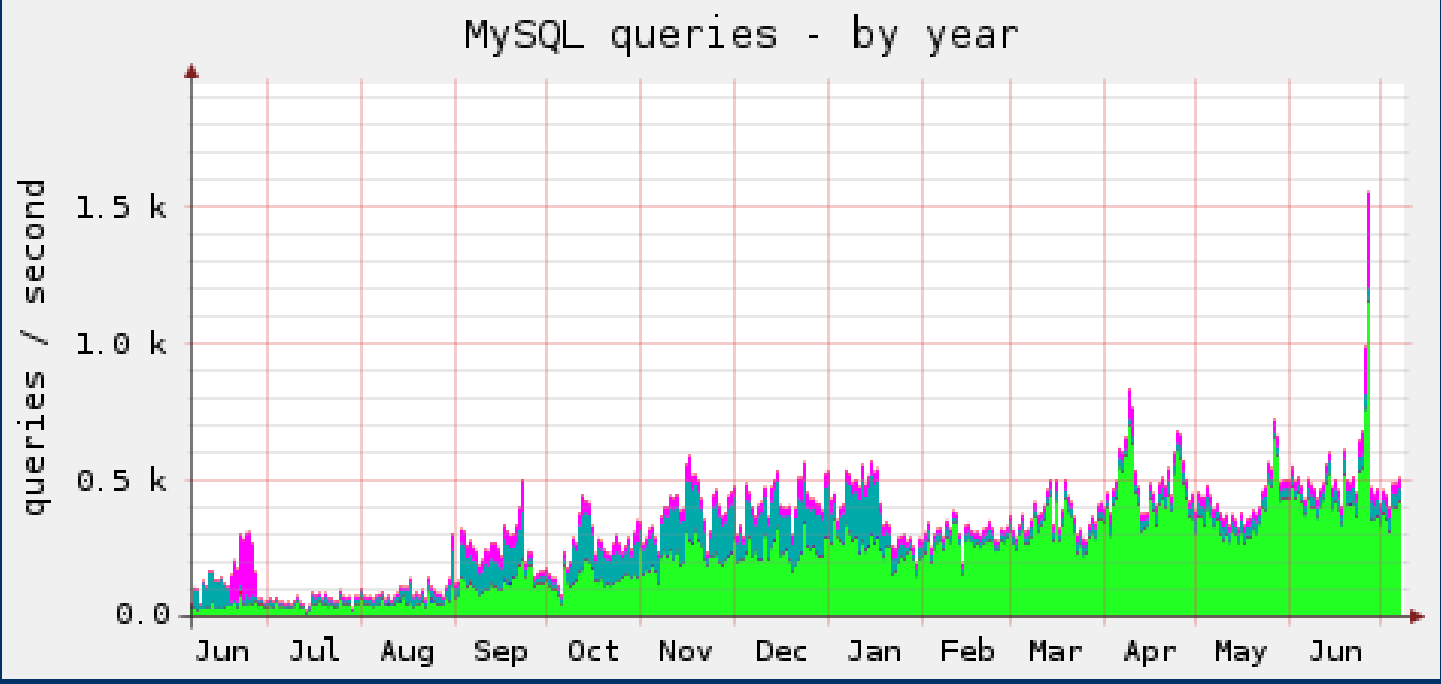
## *Threats from outside*

- Competition outperforms us on a non-free license  
→ risk of “capture”
- Competition outperforms us on a free license  
→ why worry!

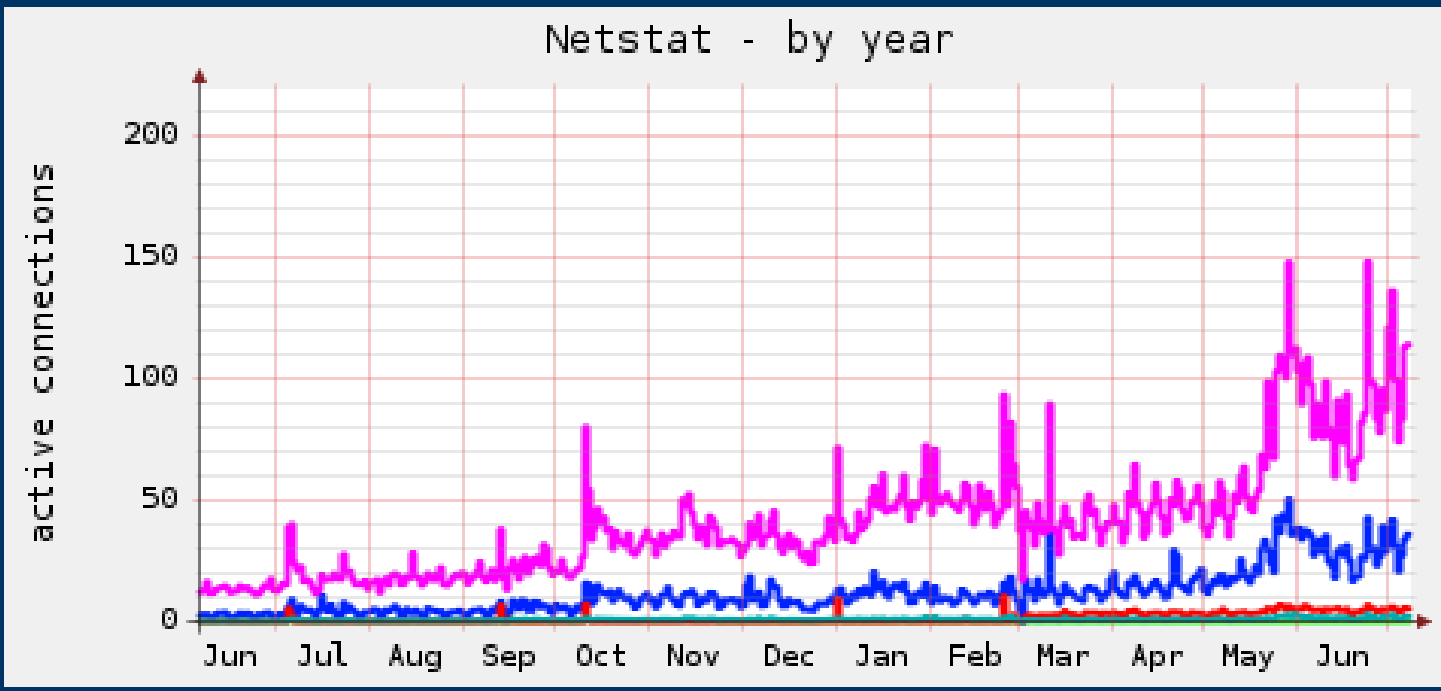


# *Technical threats*

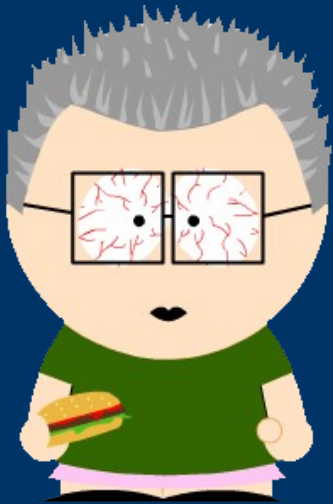
db



tile

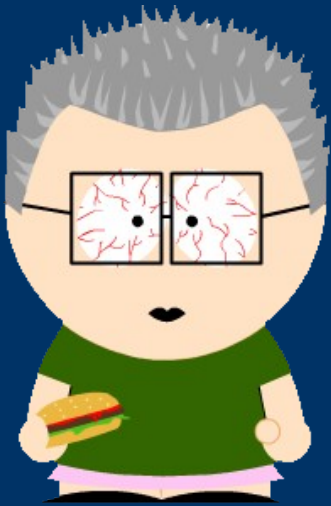






## *Technical threats*

- Single point of failure for write accesses (“world is our mirror” for reading)
- Ill-prepared for the kind of massive request spikes that would result from e.g. being “slashdotted”



## *Technical threats*

- Don't need 24/7 service but must not alienate community; already near impossible to take system offline for a weekend
- Pragmatism may lead to short-term solutions
- proven do-ocracy stuff not applicable



## *Internal threats*



# ~~Unlimited Free Labour~~

- We're in a competition for the spare time of our community members
- Must remain interesting, worthwhile



# *Community disintegration*

- Local/national community changes as data matures; new goals, new processes
- Danger of national communities drifting apart



## *Community disintegration*

- As project gains publicity: who “speaks for the project”? Who takes money from donors, who decides?
- Danger of killing “do-ocracy” (not meritocracy!) and replacing it with power structures.



## *Losing “openness”*

- People becoming over-protective of their work and time invested
- Protection against detrimental edits by newcomers
- More complexity; tendency to command-and-control



## *License in-fighting*

- Anti-Capitalists against Share-Alike fans against PD advocates
- License change necessary but will definitely hurt
- Danger of alienating community members and users



# *Summary*

- External threats are limited
- Technical challenges may be present but not immediately life threatening
- Community is our Achilles' Heel.
- Fix the license!





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“South Park” figures from [www.sp-studio.de](http://www.sp-studio.de)