Obligatory Baby Picture
The Big Picture

Hard Drive Space Doubles Every 14 months

Bandwidth Doubles Every 2.4 years
Disaster!

The extinction of the human race will come from its inability to EMOTIONALLY comprehend the exponential function.

Edward Teller
Approach:
SQL/MED
RADICALLY
Reduce network traffic
Encoding?
Not even close.
Stream compression?
Won't do it.
Push Code

★Predicates
★JOINs
★Aggregates
YES!
Timeline

(horribly incomplete)
2003: SQL/MED defined in SQL Standard
2004: DBI-Link started
2005: DBI-Link 1.0
2007: DBI-Link 2.0
Two Years Pass
2009: **SQL/MED: Doping for PostgreSQL**

2011: **Support for foreign tables (9.1)**

2012: **More support for foreign tables (9.2)**

2013: **Write interface, JOIN pushdown (aimed at 9.3)**

201?: **Aggregate pushdown, per-source optimization...**

????: **Stále více a více a více...**
Resources

- Ye Wikie
- Bernd Helmle's Excellent Talk
- pgsql-hackers@postgresql.org
• Questions

• Comments

• Advice about my mental state

• https://2012.pgconf.eu/feedback
Děkujeme!