# Crowdsourcing Geodata

Looking back on 5 years of



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SoC Summer School Southampton, 08 September, 2009

#### **OpenStreetMap**

- Started 5 years ago in the UK
- 150k users today, about 10% of them active
- 1.5bn GPS track points
- 500m objects (roughly edited manually)
- 40 national mailing lists on 6 continents



#### Crowdsourcing

#### **User generated content**











#### Crowdsourcing

amazon.com

User generated content





Crowdsourcing





marketplaces

competitions



#### Crowdsourcing

User generated content







Crowdsourcing



**Volunteered Geographic Information** 







Map Share

Wikimapia



#### Crowdsourcing: open / closed

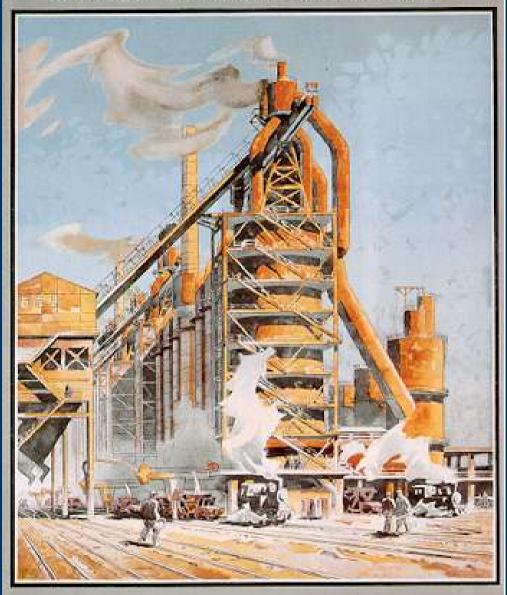
- "closed" crowdsourcing:
  users as cheap labour, controlled by central
  organisation
- "open" crowdsourcing:

  users as partners and decision makers;

  building a community

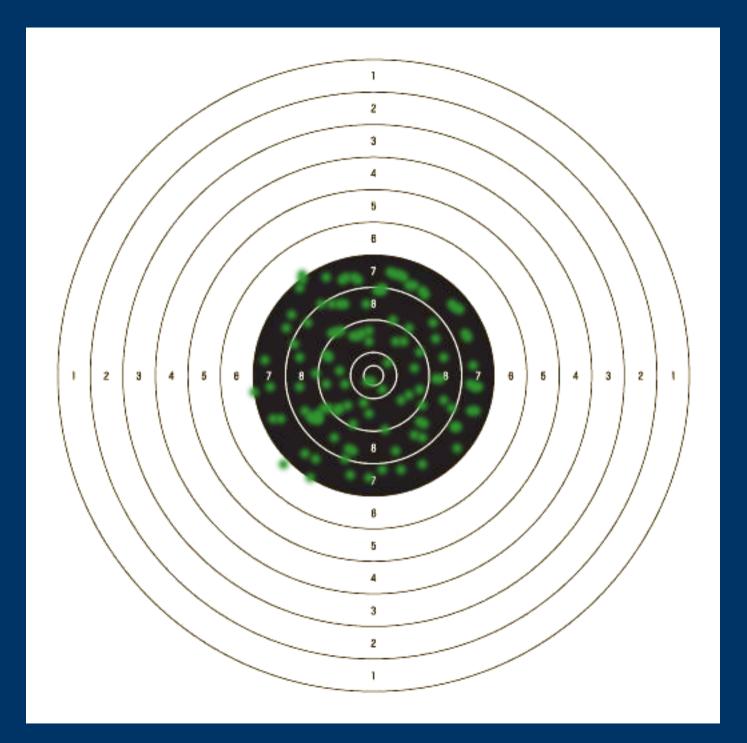


#### BAUTEN DES FÜNEJAHRPLANES

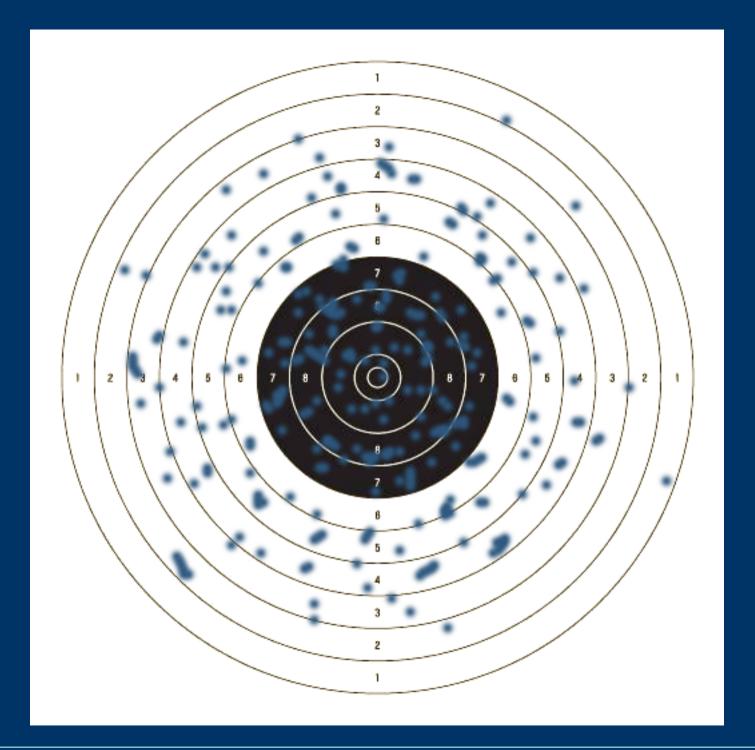


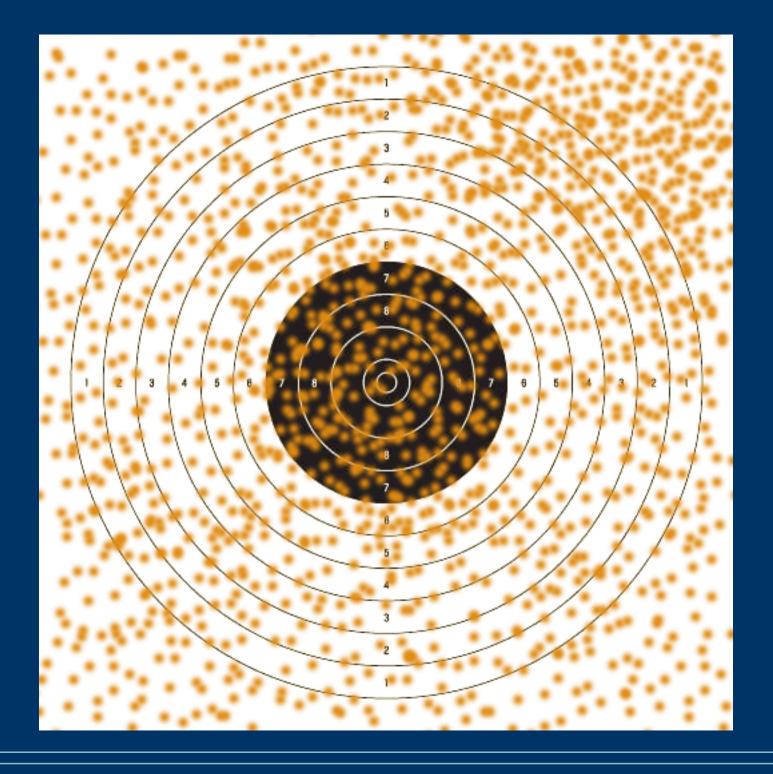
EISENHUTTENKOMBINAT OST (EKO)
Aus sowjetischem Erz und polnischer Kohle
wird deutscher Friedensstahl



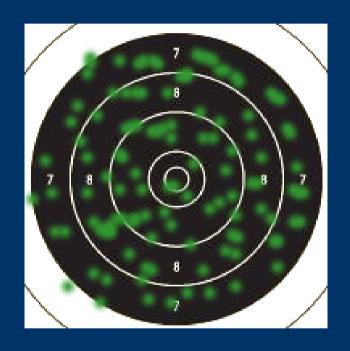


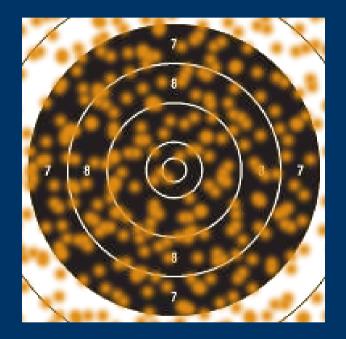










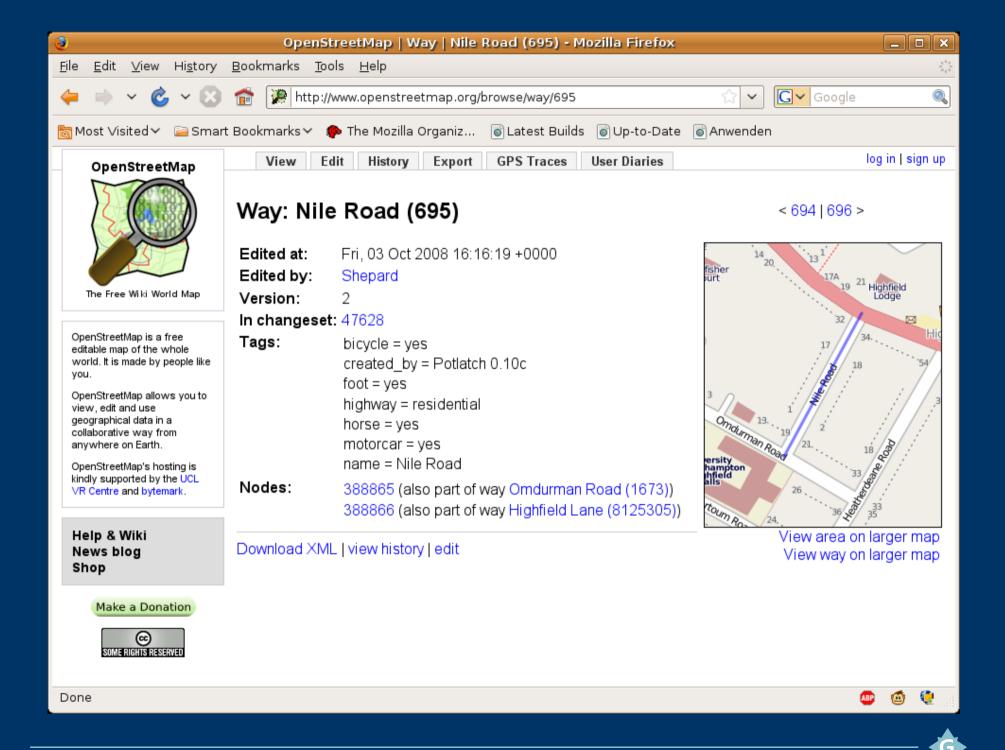


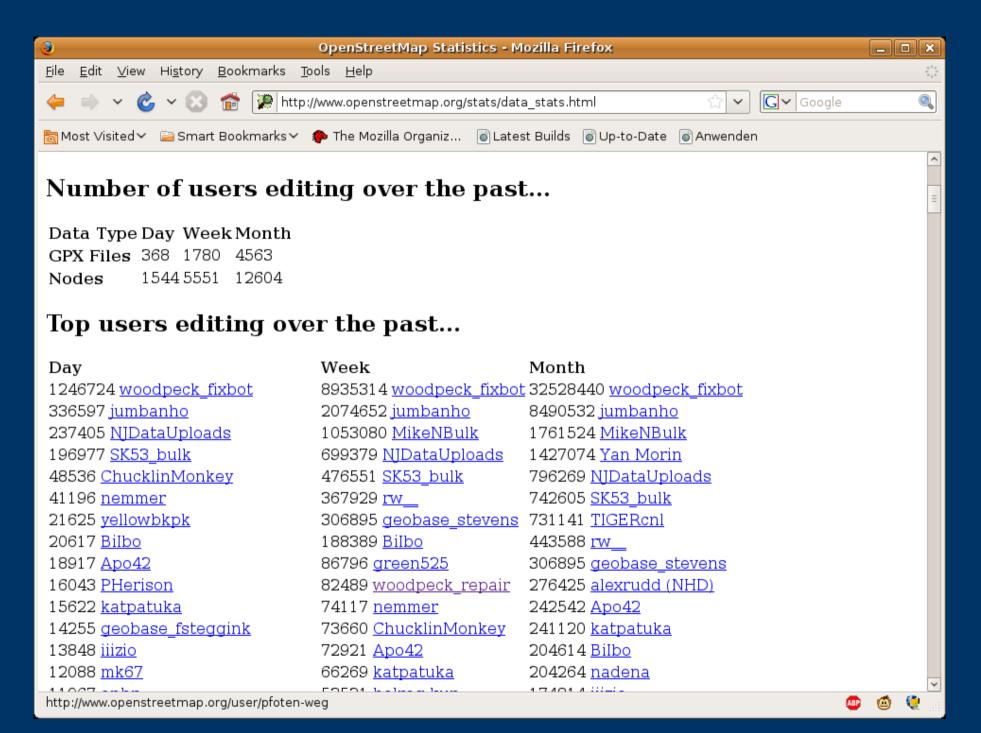
#### What

motivates

150.000 people?



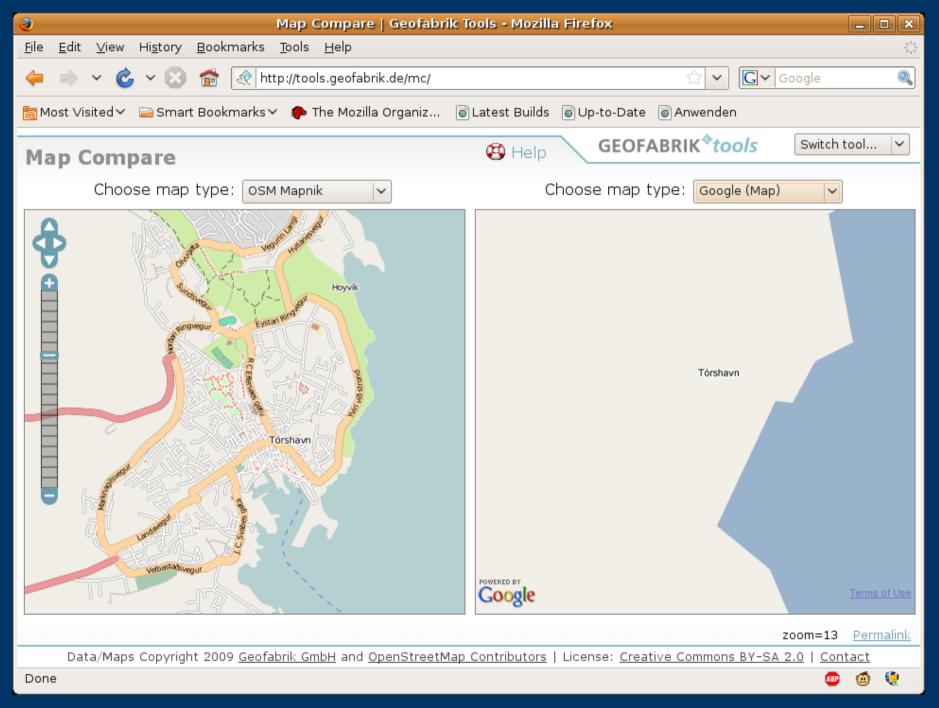




















• worker bees





- worker bees
- mayflies





- worker bees
- mayflies
- professionals





- worker bees
- mayflies
- professionals
- ideologues







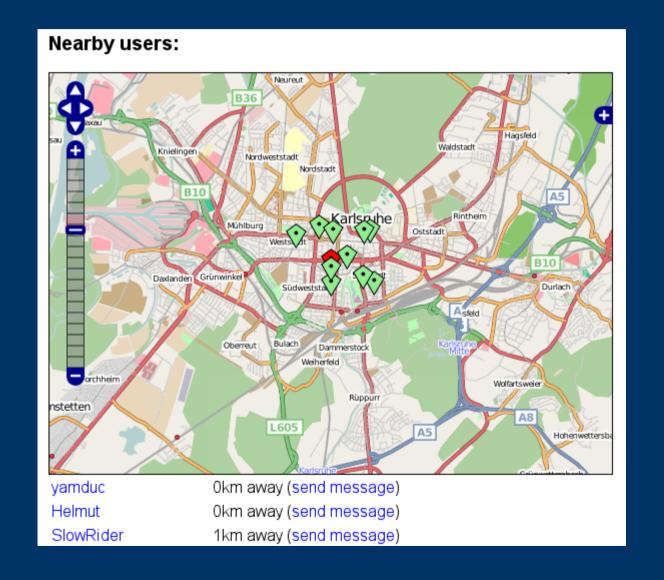
#### People have different...

- technical skills
- thematic expertise
- patience and endurance
- social behaviour

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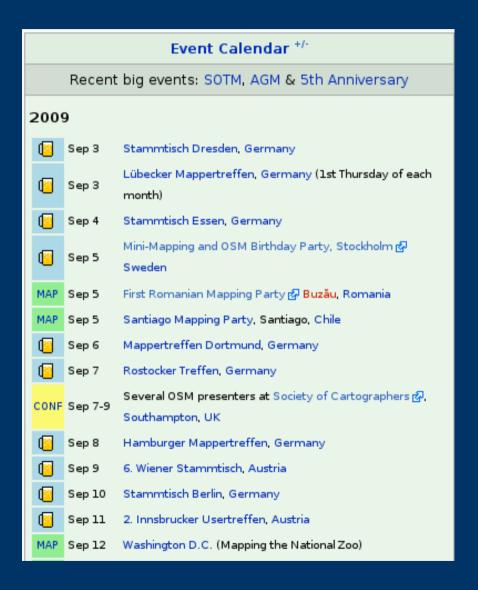


### Community Care



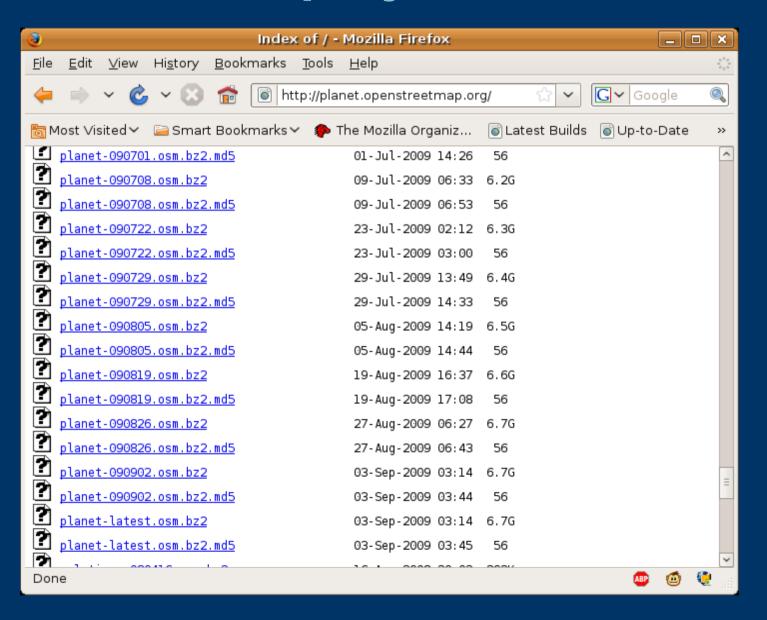


#### **Community Care**



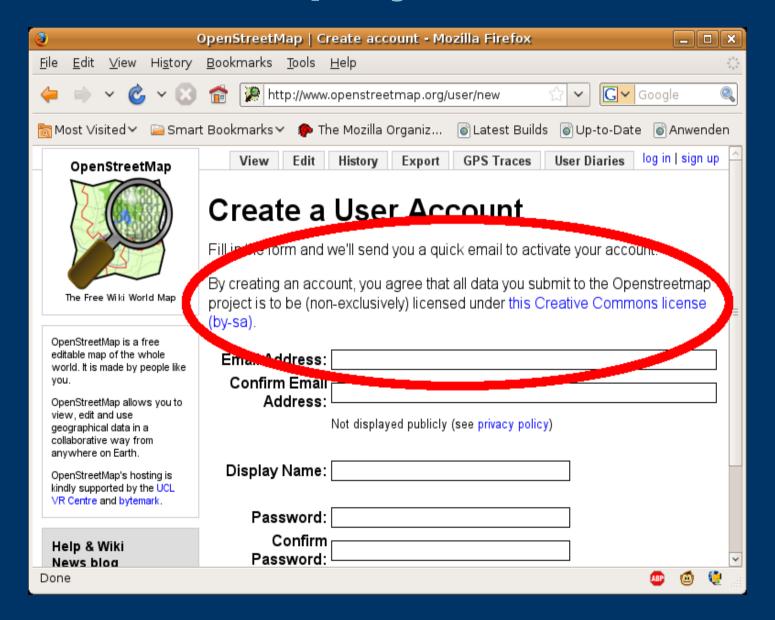


#### Who owns the project?



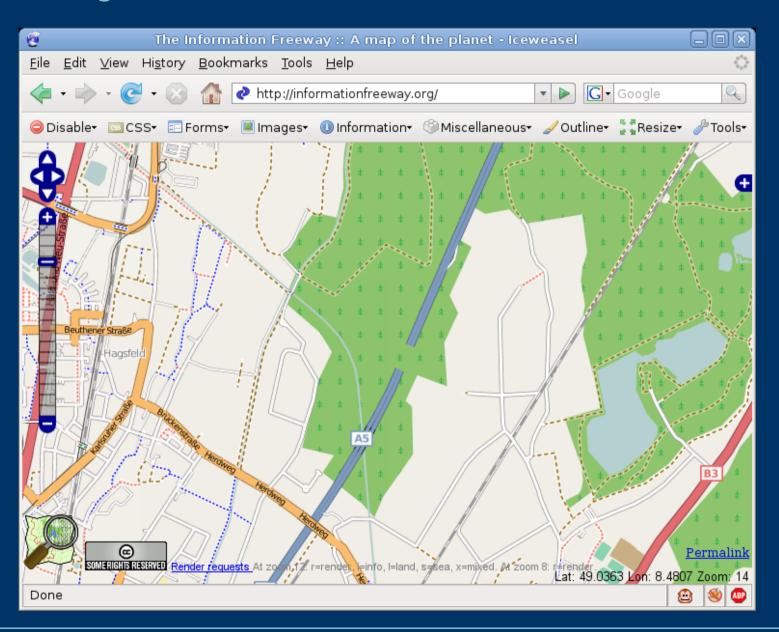


#### Who owns the project?





#### Quality and control



#### ... all in a nutshell:

- no hurdles for joining
- user = stakeholder relinquish control
- assume good faith
- "instant reward"
- patience





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