

LOW COST 3D – Trento 8-9 Marzo 2012

# Open Source e Open Data

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# Tema del Workshop



**Open Source e Open Data sono low cost?**

# la **Risposta** nelle definizioni sintetiche

- **Open Source**
  - software di cui gli autori ne permettono il libero utilizzo e la modifica del codice sorgente
- **Open Data**
  - dati che possono essere utilizzati e riutilizzati a qualsiasi scopo

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**OK! Sono LOW COST**

# Ma siamo sicuri?



Chi? Come? Cosa? Il controllo? La qualità?

**NOTA:**

**i dati NON sono il software**

# **Il modello Open Source**

# Crescita



Isaac Newton

*“Se ho visto più lontano  
è perché sono salito  
sulle spalle dei giganti  
che mi hanno preceduto”*

L'opposto che reinventare la ruota



Bob Young - REDHAT

# Open Source legame con il capitalismo

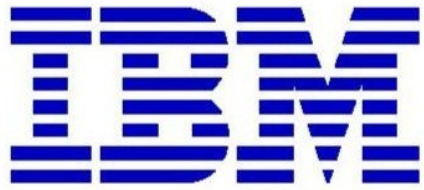


## The Emerging Economic Paradigm of Open Source

[...] **Open Source** can be explained entirely within the context of conventional open-market economics. Indeed, it turns out that it **has** much stronger **ties to the** phenomenon of **capitalism** than you may have appreciated.



# Esempi ...



# Giovani imprenditori (under30)



1. Mark Zuckerberg - \$13.5 Billion



12. Matt Mullenweg - \$40 Million



4. Blake Ross and David Hyatt - \$120 Million

2. Andrew Gower - Runescape \$650 Million

3. Chad Hurley - Youtube \$300 Million

[...]

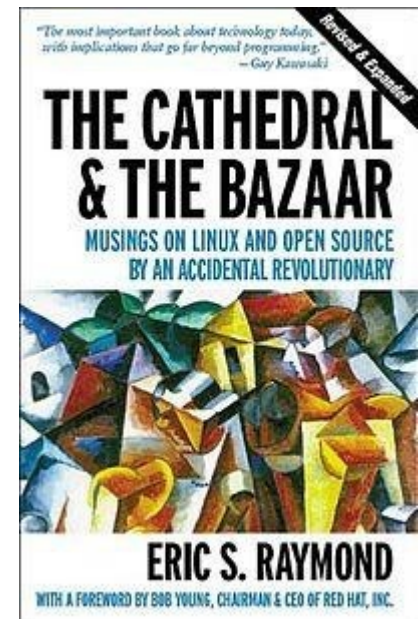
5. Andrew Michael - Fast Hosts \$110 Million

6. Angelo Sotira – DevianArt \$75 Million

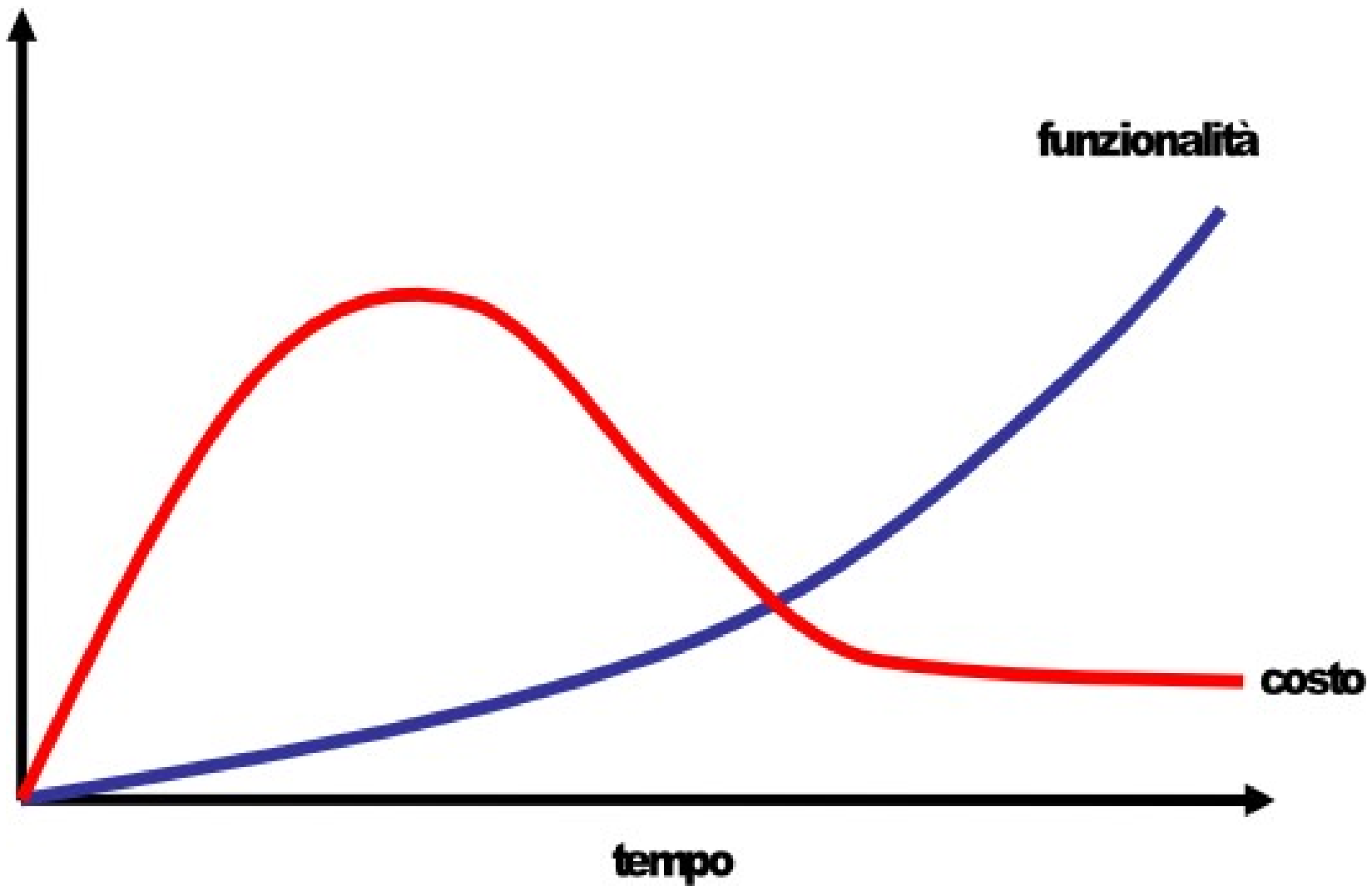
[...]

# Linus' Law

*“Dato un numero sufficiente di occhi, tutti i bug vengono a galla”*



# Fare software libero



# Esempio vincente



*Fabrizio Capobianco*

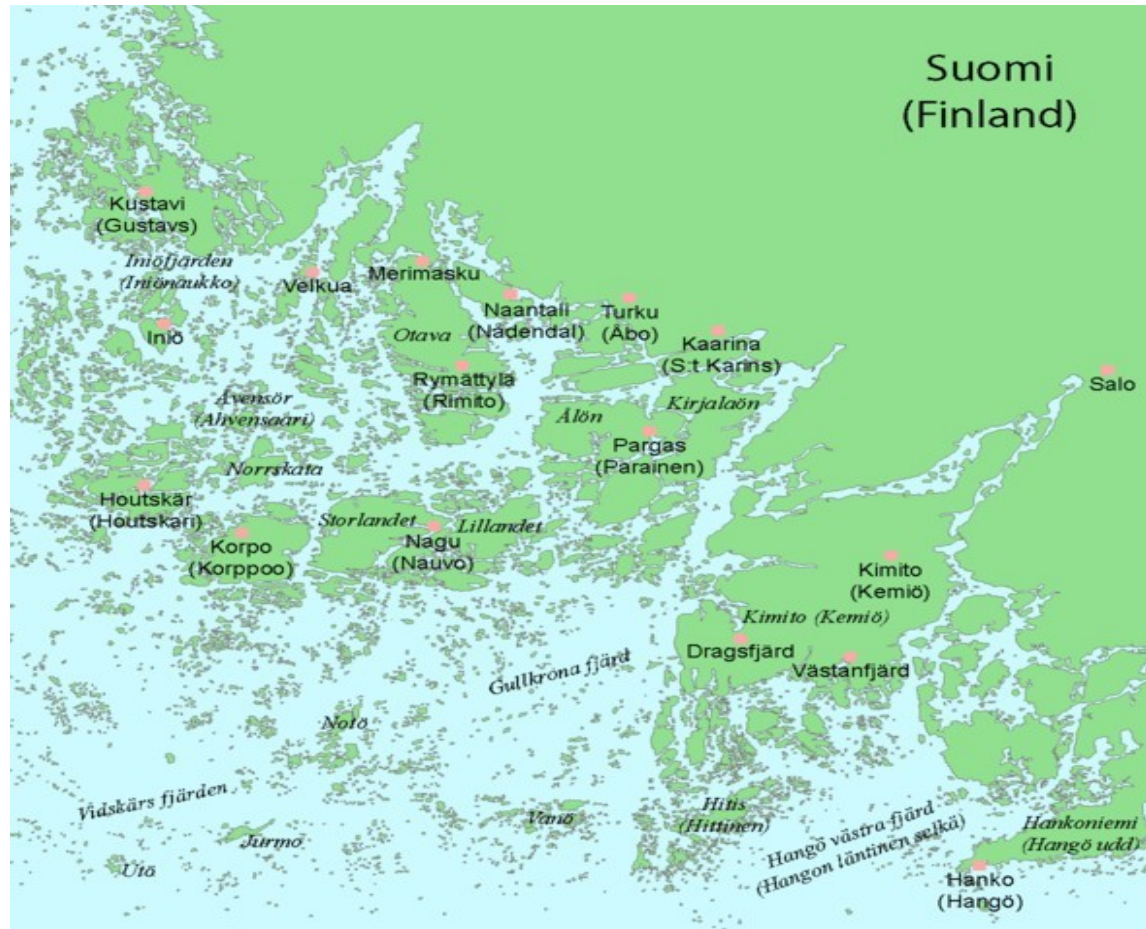
Avere fortuna  
Implementare standard  
Dual licesing  
Rispettare la comunità



**FUNAMBOL**

# Usare Open Source

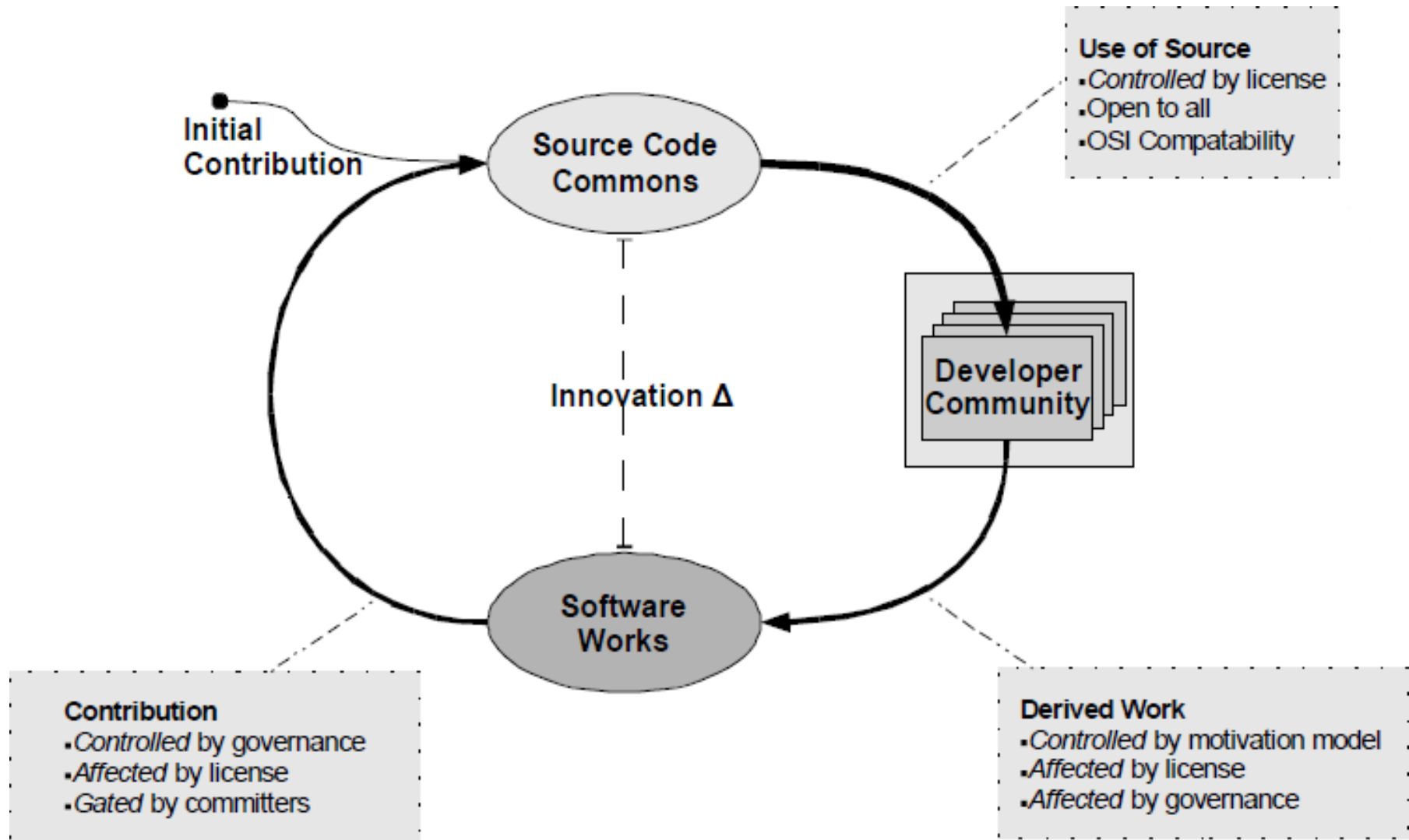
# L'ecosistema Open Source (arcipelaghi)



<http://www.slideshare.net/55thinking/understand-open-source-ecosystems>



# Governance (esempio)



source: white paper di Sun Microsystem 2007



**e gli Open Data?**

# Il potere dei dati

**Data**



**Information**



**Presentation**



**Knowledge**



EpicGraphic.com

**DATA -> INFORMATION -> KNOWLEDGE -> WISDOM**

Image by [EpicGraphic](#)



# Open Data

(definizione)



## DATI

- Descrizione di fatti di varia natura
- Riproducibili senza ambiguità
- Archiviabili in formati digitale

*A piece of content or data is open if anyone is free to use, reuse, and redistribute it — subject only, at most, to the requirement to attribute and share-alike.”*

<http://opendefinition.org/okd/italiano/>



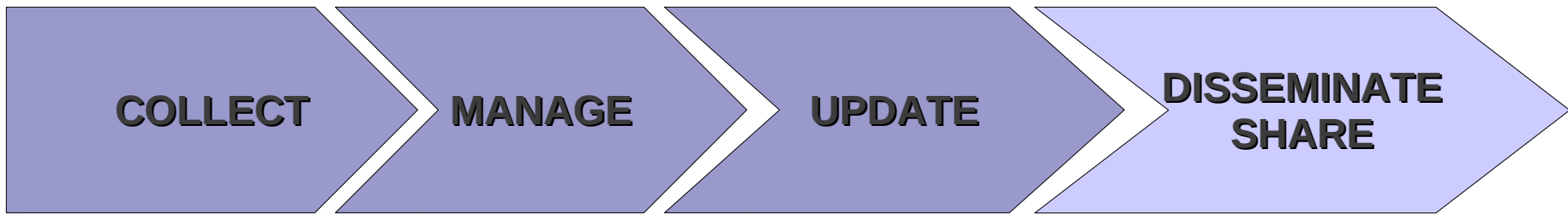
The screenshot shows the Wiktionary page for the word 'open'. The browser address bar displays 'http://en.wiktionary.org/wiki/open'. The page content includes a list of languages on the left (Norsk, Occitan, Polski, etc.), an 'Etymology' section, and an 'Adjective' section with several numbered definitions. The definitions describe 'open' as accessible, conducting business, receptive, public, and candid.

## APERTI

<http://en.wikipedia.org/wiki/Open>



# P.A. and Data



SERVICE PAID BY TAXES

VS

distribution at marginal cost

average cost recovery



transparency



optimization costs

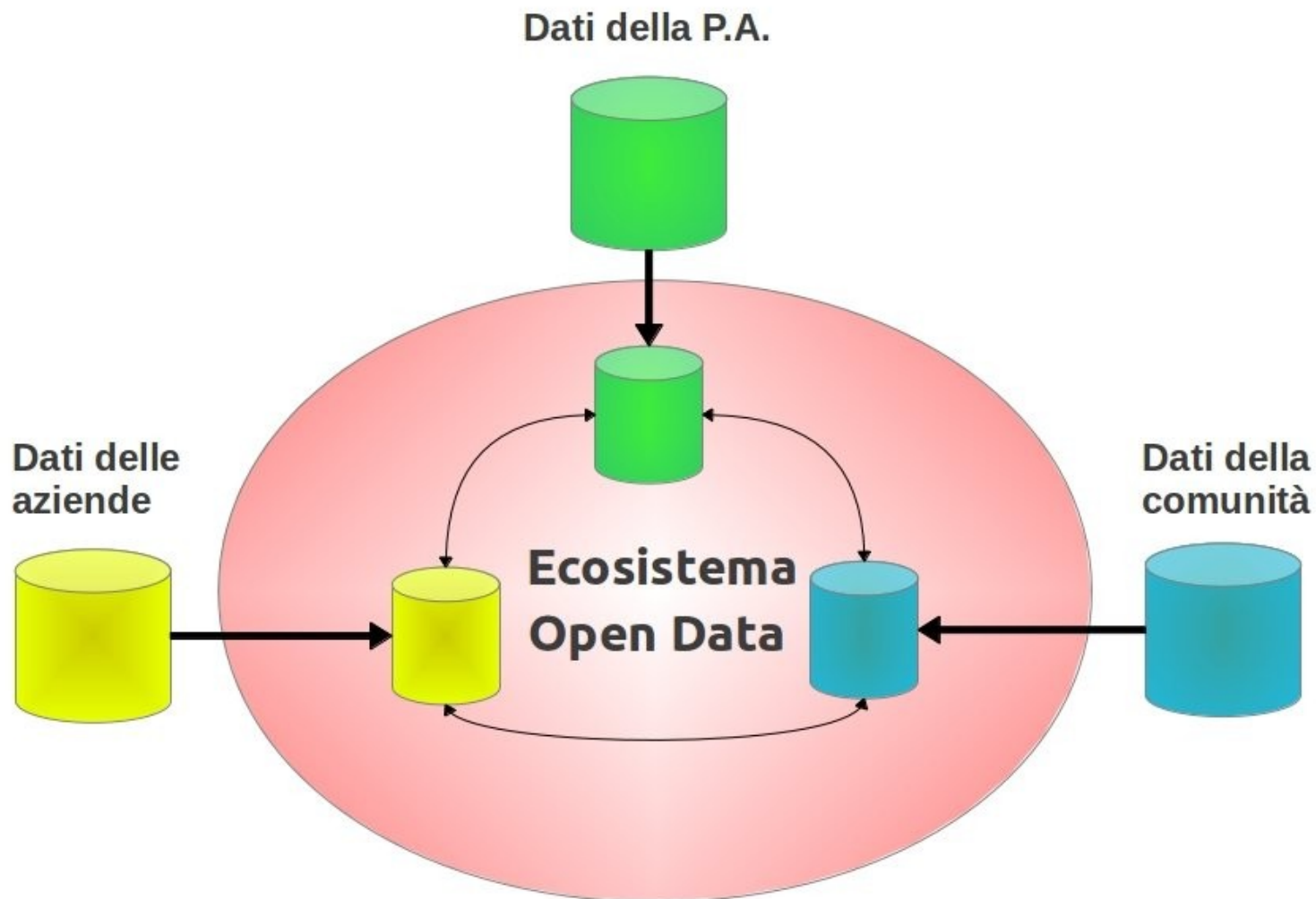


loss of income



high transaction costs

# Ecosistema Open Data



# OpenStreetMap

(dati di comunità)

<http://www.openstreetmap.org>



Storie di successo ...

<http://www.switch2osm.org>

# Data „tools“

## Comprehensive Knowledge Archive Network



About the project <http://ckan.org>

The project ~~<http://ckan.net>~~ - <http://thedatahub.org>

The italian hub <http://it.ckan.net>

International hub <http://publicdata.eu/>

World <http://opendatasearch.org/>

Get the data <http://getthedata.org/>

*Under the hood*

DATAPKG

<http://packages.python.org/datapkg/>

# Contatti

- Slide
  - <http://www.slideshare.net/napo>
- Blog
  - <http://de.straba.us>
- Twitter
  - @napo



<http://www.slideshare.net/napo/open-source-e-open-data-workshop-low-cost-3d>