Publicspending.gr: network analysis in public expenditure

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(initial) scope
to provide an objective layer of information that will enable citizens, journalists, business people and politicians to re-discover their own “stories” from data.
The Cl@rity program in Greece

- A revolution in open government
- ex-ante reporting of every state decision
- paradigm shift for 40K public servants
The Clarity program in Greece

- manifests the value of procrastination principle (again)
- strong rival to the Clientelistic state
- The new version under development (delivery: end of 2013)
PSGR: publicspending.gr

2011: I believed that the Clarity program is the open data “gold” (& persuaded 7 more people)
PSGR: publicspending.gr

2012: …with some dust and rocks in a deep goldmine
PSGR: publicspending.gr

2013: time to chisel some jewelry
Advanced Search

Search for organizations...

* The following fields are not required
  eg if no name is entered, all payers and payees that comply with the other options will be returned

- Insert name
- Select Region
- Select Municipality
- Select Legal status
- Postal zipcode

Search
Linked Data

Municipality of Chios

Municipality of Chios
€35,625,377

Number of payments
7,551

Website: http://www.chios.gr
Population: 51930
Regional Unit: Regional Unit of Chios
Region: Region of North Aegean

Description: Chios is the fifth largest of the Greek islands, situated in the Aegean Sea, seven kilometres (five miles) off the Asia Minor coast. The island is separated from Turkey by the Chios Strait. The island is noted for its strong merchant shipping community.
Read more from Wikipedia

List of payees registered in Municipality of Chios since 10/2010

<table>
<thead>
<tr>
<th>Payee name</th>
<th>Address</th>
<th>Main activity</th>
<th>Total payments</th>
</tr>
</thead>
<tbody>
<tr>
<td>DIMOTIKI EPICHEIRISI YOREUSIS KAI APOCHETEUSIS NISOU CHIOU</td>
<td>DIMOKRATIAS 4, CHIOS</td>
<td>Treatment and distribution services of water through mains</td>
<td>€2,619,906</td>
</tr>
<tr>
<td>YPERASTIKO KTEL NOMOU CHIOU ANONYMI ETARIA</td>
<td>AGELASTOU 17-19, CHIOS</td>
<td>Interurban scheduled road transport services for passengers</td>
<td>€2,278,844</td>
</tr>
</tbody>
</table>
Business profiles

COSMOTE-KINİTES TİLEPIKÖINÖNİES ANONYMOS ETAIREIA

Receipt

Has received from the public

€8,528,013

(5,064 decisions)

<table>
<thead>
<tr>
<th>Status</th>
<th>Date</th>
<th>Payer</th>
<th>Amount</th>
<th>Payment category (CPV)</th>
<th>Signer</th>
<th>Decision</th>
<th>PDF</th>
</tr>
</thead>
<tbody>
<tr>
<td>completed</td>
<td>2010-11-05</td>
<td>ΥΠΟΥΡΓΕΙΟ ΕΘΝΙΚΩΝ ΠΑΙΔΕIAS ΚΑΙ ΘΡΗΣΚΕΥΜΑΤΩΝ</td>
<td>525,676</td>
<td>Mobile telephones</td>
<td>PIPINA TRIANTAFYLLOPOULOU</td>
<td>4:133-MP</td>
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<tr>
<td>completed</td>
<td>2010-11-24</td>
<td>ΥΠΟΥΡΓΕΙΟ ΕΘΝΙΚΩΝ ΠΑΙΔΕIAS ΚΑΙ ΘΡΗΣΚΕΥΜΑΤΩΝ</td>
<td>35,546</td>
<td>Mobile-telephone services</td>
<td>PIPINA TRIANTAFYLLOPOULOU</td>
<td>4:099-H</td>
<td></td>
</tr>
<tr>
<td>completed</td>
<td>2010-11-24</td>
<td>ΥΠΟΥΡΓΕΙΟ ΕΘΝΙΚΩΝ ΠΑΙΔΕIAS ΚΑΙ ΘΡΗΣΚΕΥΜΑΤΩΝ</td>
<td>9,236</td>
<td>Mobile-telephone services</td>
<td>PIPINA TRIANTAFYLLOPOULOU</td>
<td>4:099-20</td>
<td></td>
</tr>
</tbody>
</table>
Spending in my area

Zipcode 57001

Payments of contractors belonging Zipcode 57001
€1,804,093,604

Number of payments
12,116

List of contractors belonging Zipcode 57001

<table>
<thead>
<tr>
<th>Name of contractor</th>
<th>Government payments</th>
<th>Number of payments</th>
</tr>
</thead>
<tbody>
<tr>
<td>EGNATIA ODOS ANONYMÉ ETAREIA</td>
<td>€1,734,934,074</td>
<td>306</td>
</tr>
</tbody>
</table>
public spending networks
The “brokers”

size: Betweenness Centrality,
color: Hub Ranking
important payees and payers

the Hellenic Telecommunication Organization (OTE) has the highest in-degree (green arrows=incoming payment).

the Ministry of Public Order has the highest out-degree (red arrows=outgoing payment).
competition
public spending -> economics
Going global: AUSTRALIA
Sum up

- LOD apps can change the world
- Economic LOD is the natural nucleus of the ecosystem
- Network analysis a basic tool to analyze & visualize Linked Data
Real-time open data?