

Linked Open Economy: take full advantage of economic data

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 YourDataStories



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Rome - Italy



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Welcome to the data era



 Capgemini Consulting

The Open Data Economy
Unlocking Economic Value by
Opening Government and Public Data

*The U.S. Data-Driven Marketing Economy (DDME) is a
Growth and Jobs Catalyst for the U.S. Economy*

\$202B

in revenue for the U.S. economy

966K

American jobs

LinkedEcon

Open economic data & standards



Δι@ύγεια

CITY OF ATHENS



YourDataStories

OpenBudgets

PublicSpending.net

OpenTED

USA
SPENDING.GOV
An official website of the U.S. Government

Open
Contracting
Partnership

ATI
INTERNATIONAL
AID
TRANSPARENCY
INITIATIVE

OpenSpending

opencorporates

The largest open database of companies in the world

EITI
Extractive
Industries
Transparency
Initiative

OpenOil



INTERNATIONAL BUDGET PARTNERSHIP
Open Budgets. Transform Lives.

Not yet here...

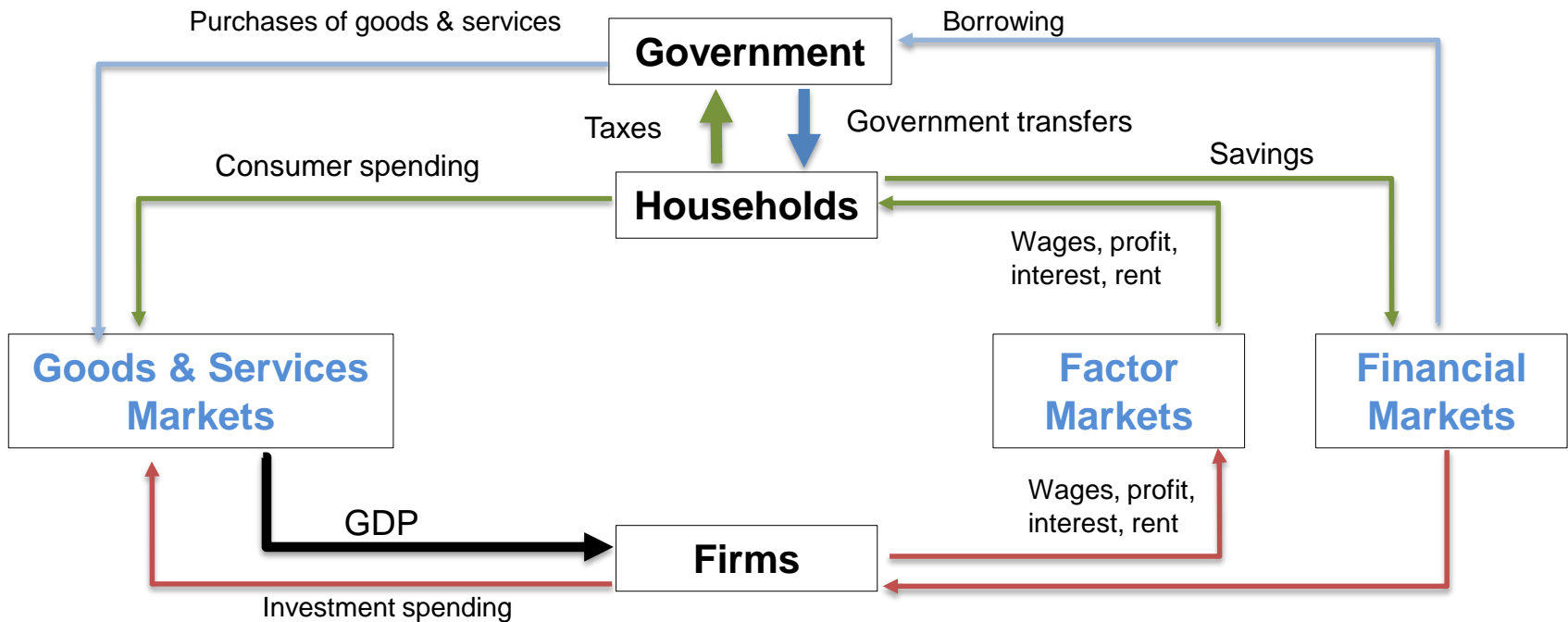
Economic Open data are:

- Unstructured
- Unexpected
- Disaggregated – in depth
- Not related to policy goals
- With great potential

Can we provide answers?

- Is public procurement expensive?
- Are retail prices high? Why?
- Contractors of public projects globally
- How the EU Digital Single Market strategy can extend its reach with open data?

Starting from the basics



Circular Flow Model (CFM) closed economy

Consumer households

open data & open standards



- Self-determine their data (e.g. social media lock-in)
- Enjoy more choices in data usage (e.g. not only pay with personal data)

Business firms

open data & open standards

Projects



- Identification (global & online)
- Corporate Ownership
- Financial statements
- Price and Quality reports
- Law compliance reports (e.g. environmental)
- Data use report (**not yet**)

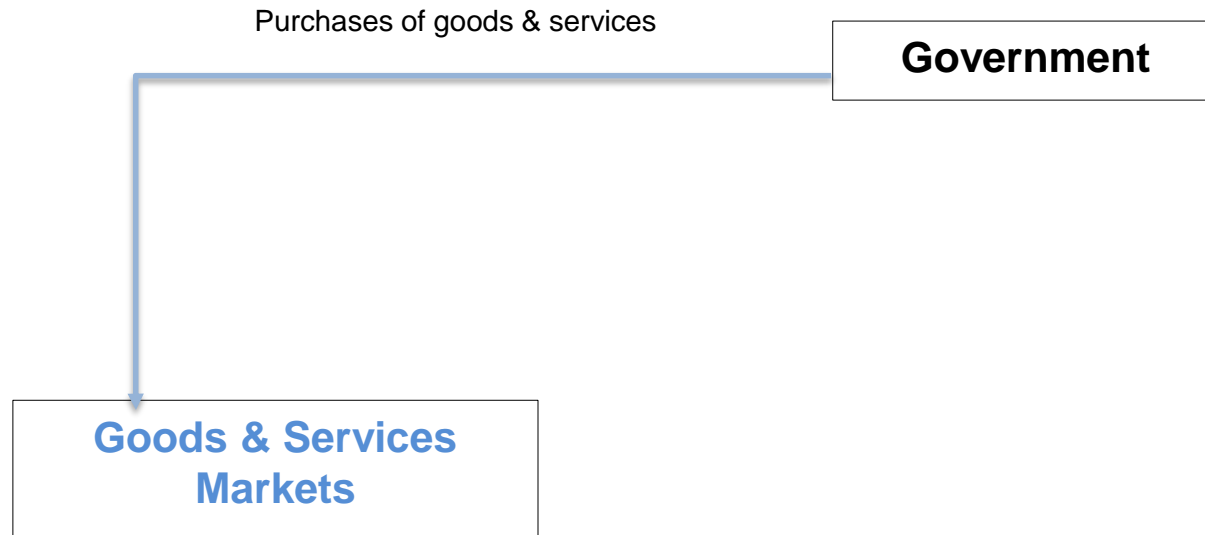
Government

open data & open standards




- Organizational Chart and Processes (who does what and how)
- E-services
- Public finance (e.g. where my money goes)

Open public finance: transparency



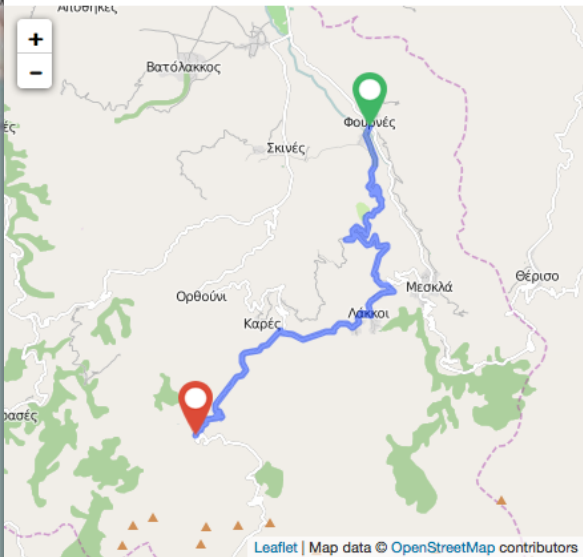
Linked open **project-based budget & spending**

YourDataStories project in action

Home Browse Marketplace Help Desk ▾

Project Details

You are here: [Home](#) > [Project Details](#)



Leaflet | Map data © OpenStreetMap contributors

IMPROVING FOURNES-LAKKOI-OMALOS ROAD

The object of the project to improve the existing road from Laki to Omalos of total 17176 meters in length, with limited interventions and no major deviation from ... [\[Show More\]](#)

Beneficiary: ΠΕΡΙΦΕΡΕΙΑ ΚΡΗΤΗΣ
Beneficiary PERIFEREIA KRITIS // PERFECTURE OF CRETE

Translation:
Completion: 72

Sector: Road transport

Start Date: 24/02/2011

End Date: 20/08/2014

Budget: 11,194,600.00 €

Spending: 8,042,180.00 €

Related Projects: 3

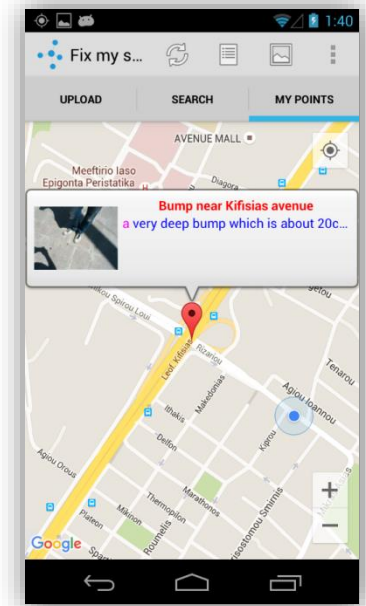
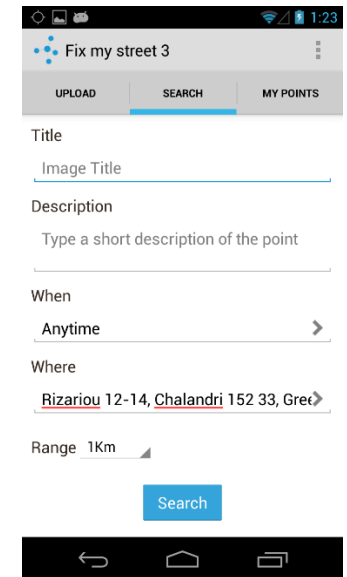
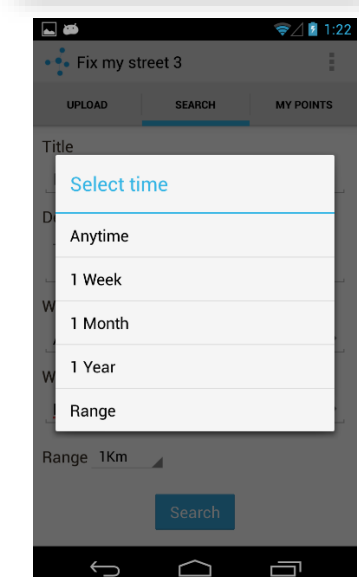
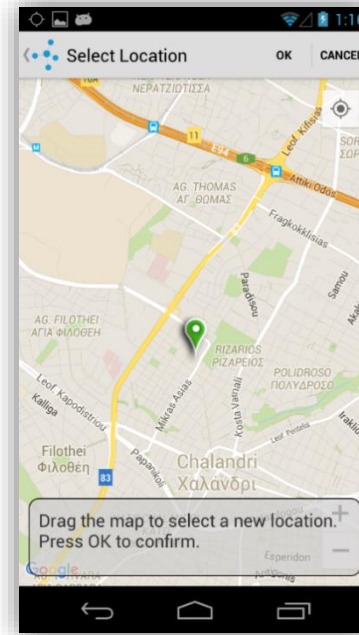
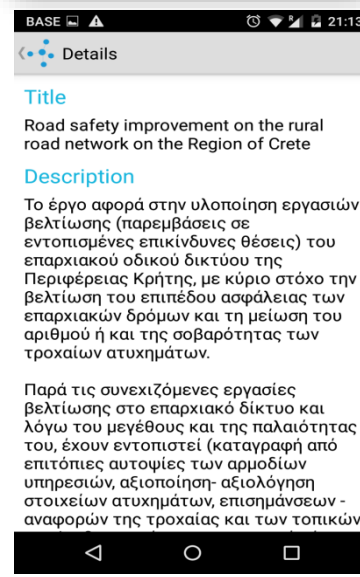
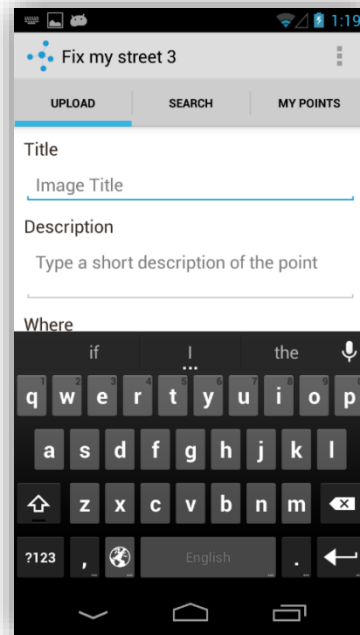
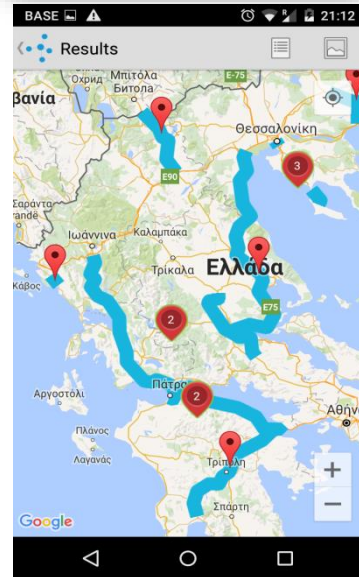
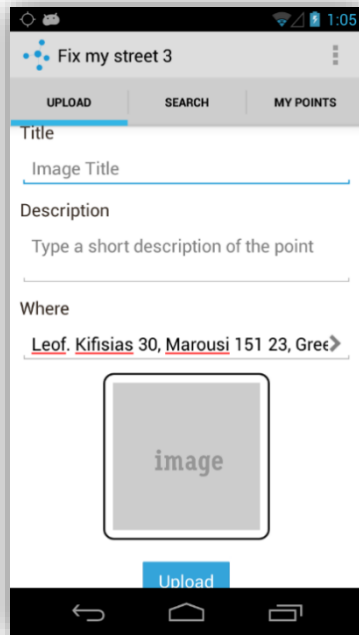
Project Id: 277637

Financial Decisions > Non Financial Decisions Related Projects Related Projects in Diavgeia

Quick Filter:

Subject	Type	Buyer	Seller	Amount	Source
Αποστολή 22ου Λογαριασμού ...	Expense Approval	ΠΕΡΙΦΕΡΕΙΑ ΚΡΗΤΗΣ	ΤΟΜΕΣ ΑΤΕ	430,008.00 €	7ΨΩΒ7ΛΚ-7
ΠΛΗΡΩΜΗ ΠΟΣΟΥ 104.354...	Spending Item	ΠΕΡΙΦΕΡΕΙΑΚΟ ΤΑΜΕΙΟ ΑΝ...	ΤΟΜΕΣ ΑΤΕ	101,022.00 €	Ω6Η2ΟΡΡ9-Ε
ΜΕΛΕΤΗ ΒΕΛΤΙΩΣΗΣ ΟΔΙΚΗ...	Committed Item	ΠΕΡΙΦΕΡΕΙΑ ΚΡΗΤΗΣ	not valid name	29,900.00 €	Β4ΛΓ7ΛΚ-80

FIX my street 3.0: social + gov. data



Opening public procurement audits

Analysis, opening and tracking the audit results

e.g. Prefecture of Crete

Result	2014	2015	Total Amount	Diff.
Negative assent	1	2	€671,526	13 %
Assent	1	2	€4,126,354	434 %

But you can get the detailed linked data...

audit	auditId	legalName	amount	issued	subject	legalBasis	operative	kind	requiredLegalBasis	cpvGroupingC
http://linkedeconomy.org/resource/Audit/2015/142	"142"	"ΠΕΡΙΦΕΡΕΙΑ ΚΡΗΤΗΣ"@el	1868483	2015-06-26+03:00	"Συnderομή των προϋποθέσεων του άρθρου 24 παρ. 1 περ. α' του π.δ. 60/2007."@el	"UNACCEPTABLE"@en	"ASSENT"@en	"Services Except 3316/05"@en	"ΠΔ 60/2007-αρ.24.1.α"@el	http://linkedeconomy.org/ontology
http://linkedeconomy.org/resource/Audit/2015/136	"136"	"ΠΕΡΙΦΕΡΕΙΑ ΚΡΗΤΗΣ" "^^< http://www.w3.org/2001/XMLSchema#string >	17994	2015-06-23+03:00	"Συnderομή των προϋποθέσεων του άρθρου 24 παρ. 1 περ. α' του π.δ. 60/2007."@el	"UNACCEPTABLE"@en	"ASSENT"@en	"Services Except 3316/05"@en	"ΠΔ 60/2007-αρ.24.1.α"@el	http://linkedeconomy.org/ontology
http://linkedeconomy.org/resource/Audit/2014/173	"173"	"ΠΕΡΙΦΕΡΕΙΑ ΚΡΗΤΗΣ"@el	89014.390625	2014-05-28+03:00	"Αναμοδιότητα λόγω ποσού (συνολική αξία αρχικής και συμπληρωματικής σύμβασης = 479.258,29€)"@el	"SUPPLEMENTARY WORKS/SERVICES"@en	"LACK OF JURISDICTION"@en	"Works"@en	"ΠΔ 60/2007-αρ.25.4.α"@el	http://linkedeconomy.org/ontology
http://linkedeconomy.org/resource/Audit/2015/69	"69"	"ΠΕΡΙΦΕΡΕΙΑ ΚΡΗΤΗΣ"@el	134146	2015-04-02+03:00	"Μη συnderομή των προϋποθέσεων εφαρμογής του άρθρου 25 παρ. 4 περ. α' του π.δ. 60/2007."@el	"SUPPLEMENTARY WORKS/SERVICES"@en	"NEGATIVE ASSENT"@en	"Works"@en	"ΠΔ 60/2007-αρ.25.4.α"@el	http://linkedeconomy.org/ontology
http://linkedeconomy.org/resource/Audit/2015/44	"44"	"ΠΕΡΙΦΕΡΕΙΑ ΚΡΗΤΗΣ" "^^< http://www.w3.org/2001/XMLSchema#string >	78706	2015-02-24+02:00	"Έλλειψη αναμοδιότητας λόγω ποσού"@el	"UNAPPROPRIATE"@en	"LACK OF JURISDICTION"@en	"Supplies"@en	"ΠΔ 60/2007-αρ.25.1.α"@el	http://linkedeconomy.org/ontology

You can run the query <http://bit.ly/1SYr7Xw>

Open public finance: innovation extending financial analysis

ORACLE

Oracle Group

€ 1,411,473,540 (2,916)

Oracle Greece

2014-2015

€ 698,741 (31)

Oracle EU

2007-2014

€ 5,423,156 (699)

Oracle Australia

2005-2016

\$ 1,405,351,741 (2,186)

Payments Greece

Payments Australia

Payments EU

Show 10 entries

Search:

Copy

CSV

Excel

PDF

Print

Showing 1 to 10 of 45 entries

Year	Amount (€)	Seller	Description
2009	45,023	ORACLE BELGIUM BVBA	IT: ORACLE SC 105 RENEWAL BEA LICENCES 2009-2010 DED 2073
2009	44,644	ORACLE BELGIUM BVBA	K9-ORACLE DI/6410 CS S38 - MAINTENANCE OF EXISTING LICENCES
2010	43,914	ORACLE IBERICA SRL	?Bridge the gap? ? End of life-care for terminally ill and elderly people left behind in Moldova and Ukraine
2011	38,090	ORACLE BELGIUM BVBA	Promoting Peace in KPK & FATA - Connecting Youth NSAs and Policy-Makers through Mediation and Dialogue
2008	36,267	ORACLE BELGIUM BVBA	HARDWARE SOFTWARE FOR THE MADB AND SIGL HARDWARE UPDATE AND MAINTENANCE
2009	34,242	ORACLE BELGIUM BVBA	MAINTENANCE LICENCES 2009
2013	31,706	ORACLE BELGIUM BVBA	MAINTENANCE OF DATABASE SOFTWARE - ORACLE
2009	28,000	ORACLE BELGIUM BVBA	SENIOR PRODUCT SPECIALIST-ORACLE

Public payments to Vodafone

2015



Public payments to Forthnet

2015



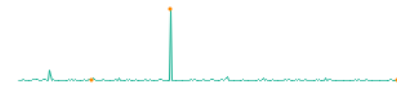
Public payments to CYTA

2015



Public payments to Wind

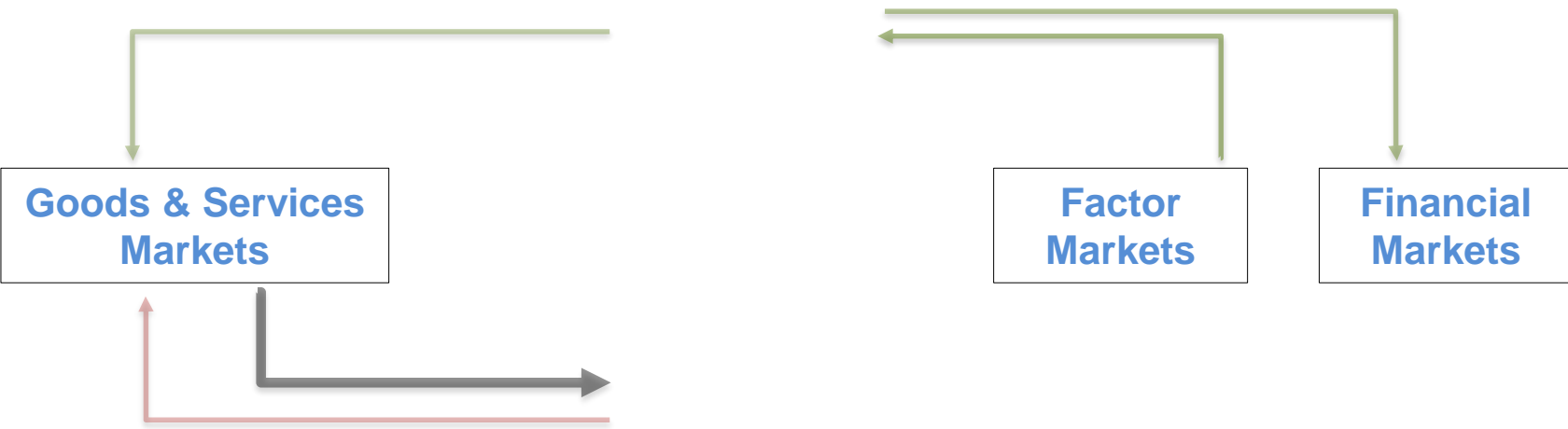
2015



Markets

open data & open standards

- Price & Quantity (wholesale/retail)
- Quality (e.g. ingredients, fines)
- Location (special for online marketplaces)
- Supervision and audit
- Interconnections (e.g. procurement vs market price)





prices

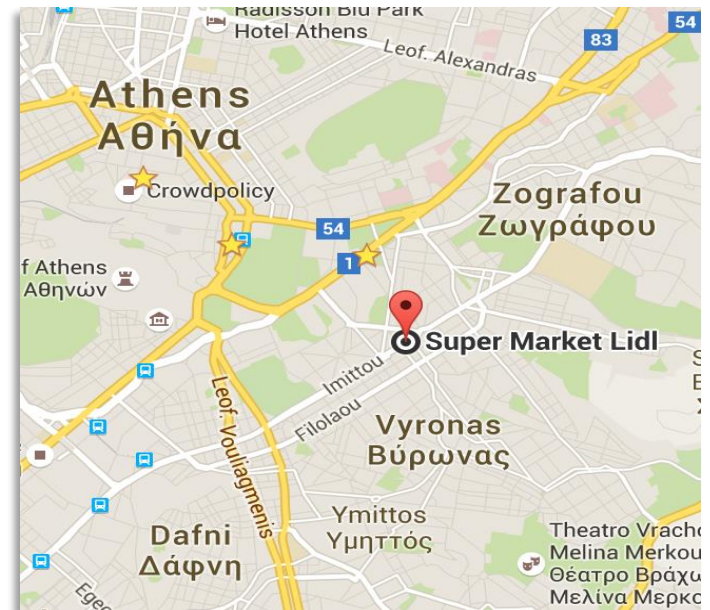
	Average (€/kg)	Daily Quantity	Sold
WHOLESALE	0.91	90.6 t	69%
		Stores	Price difference
RETAIL Fresh	1.44	19	77%
CHOPPED SPAR 440GR	1.42	178	9%
CHOPPED PUMMARO 400gr	1.53	1076	22%

Wholesale Prices (2015) are collected from [Central Market of Thessaloniki](#)
Retail Prices (2015) are collected from the [Greek Official Price Observatory](#)

Prices in detail

Product	Actual	Per unit	Min 2015	Min Date
VEGETABLES TOMATO	1.49 €	1.49 €/kg	1.00 €/kg	27-Mar
CHOPPED TOMATOES				
PUMMARO CLASSIC 400gr	0.55 €	1.38 €/kg	1.38 €/kg	20-Aug

14/04/2015
LIDL Ymettou Athens Attikis





Quality: food alerts



Total (from 1980) Total notified by Greece Total distributed in Greece

216

20

9

		From	To	Pesticide	Founded mg/kg	Limit mg/kg	Exceeds
7/11/14	withdrawal	ESP	GER	ethephon	3.4	0.05	67 times

Data infrastructures

- open standards to interlink all kinds of data (closed/shared/open)
- open data re-use for transparency & innovation
- integration with existing institutions & practices

Engineering: Linked Open Economy

Orchestrate economic open data to facilitate **accountability** and **competition** through transparency and innovation.

Open up digital opportunities for people and business and enhance Europe's position as a **world leader** in the digital economy.

Policy: Digital Single Market

Data infrastructures: the water of development

- Data not to be the **oil** but the **water** of the new prosperity cycle
- Work together to become Linked Open Economy a better economy

Thank you!

- Twitter: @vafopoulos
- <http://yourdatastories.eu/>
- <https://github.com/YourDataStories>
- <https://github.com/LinkedFin>