



City Service Development Kit



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Lamia, Greece
TOURISM REPLICATION PILOT

API Implementation

- Before CitySDK, tourism data were exposed through municipality's site (Drupal web services)
- To be CitySDK compliant adjustments had to be made e.g. date format(iCalendar), Greek characters, etc.
- API is hosted on municipality's infrastructure
- Data entry is implemented through the web site
- Synchronization occurs on the fly. PHP scripts developed by GNOSIS run as soon as a modification happens at web site
- Endpoint url : <http://tourism.citysdk.lamia-city.gr>

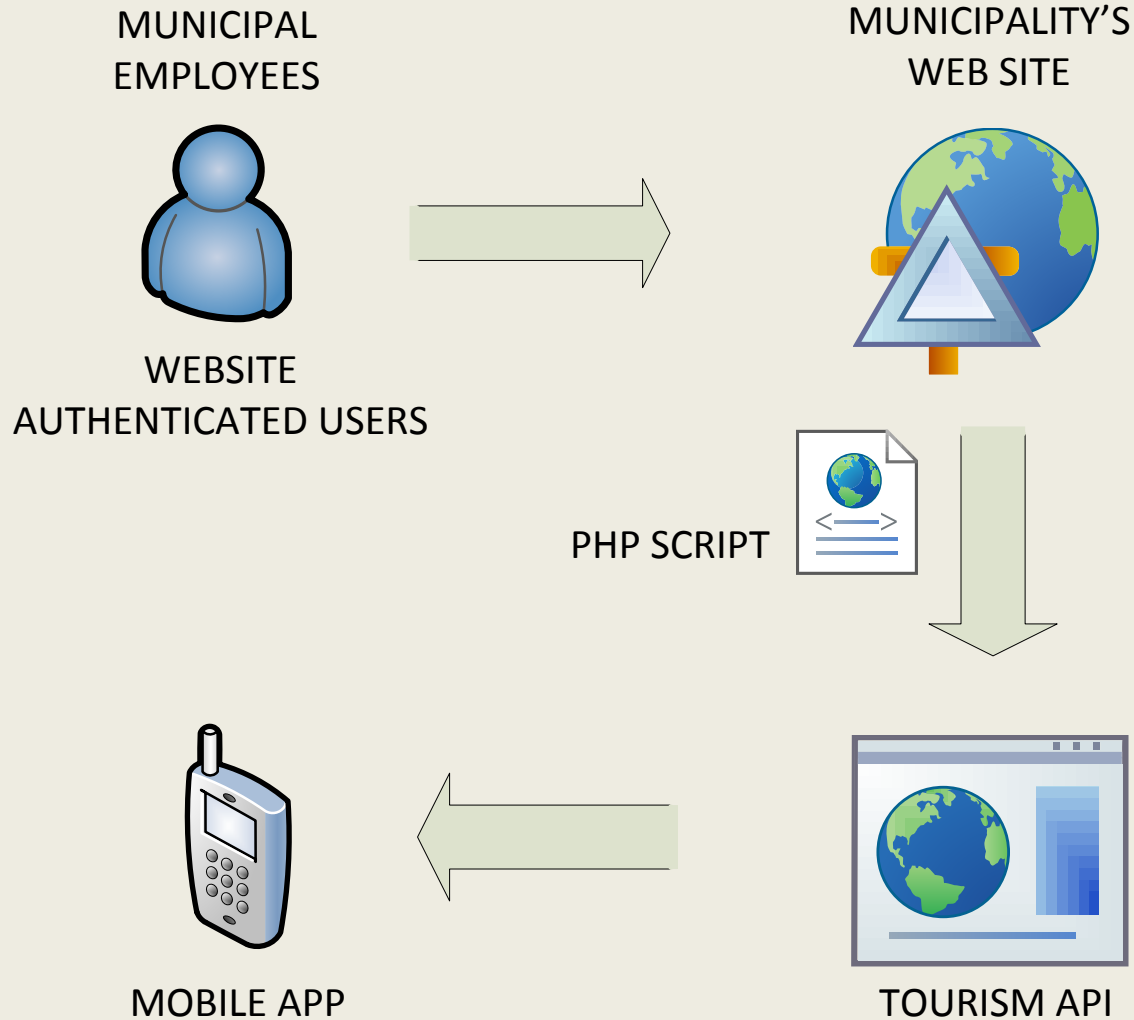


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API Implementation



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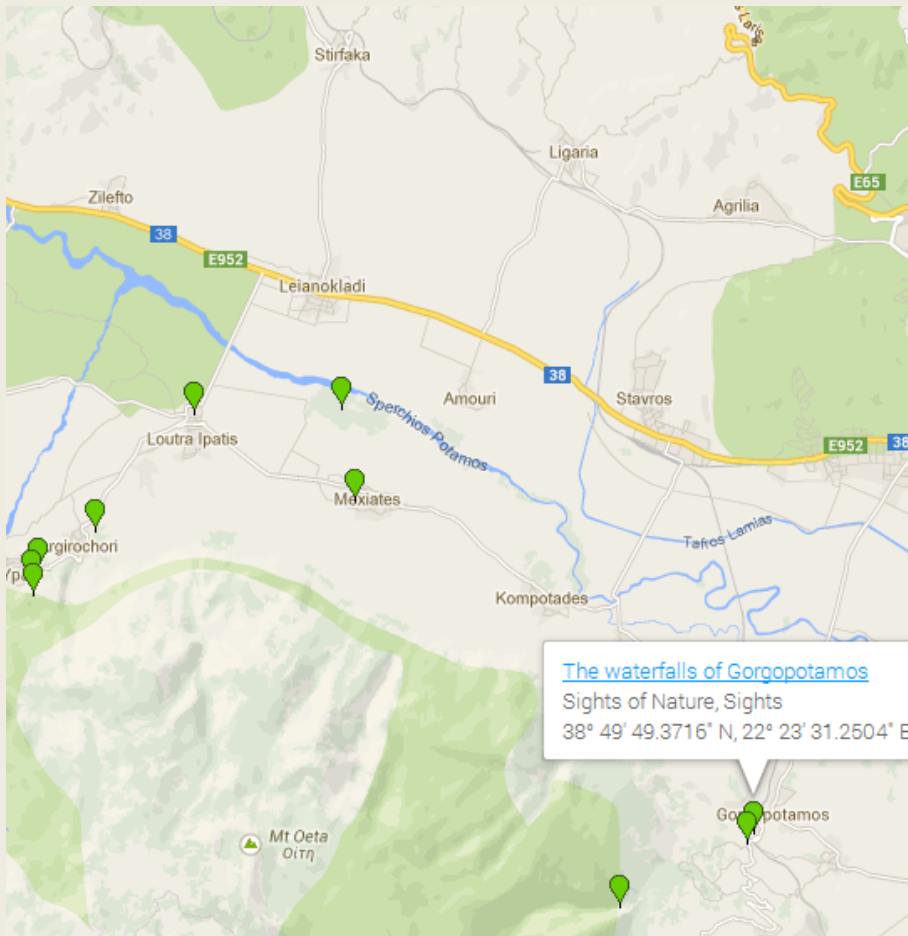


Data Sets

- POIs. Public services, accommodation, paths, healing springs, religious sites, sites of nature, theatres, museums, libraries, castle, monuments, etc.
- EVENTS. Upcoming events that will take place in the municipality of Lamia e.g. Exhibitions, performances, sports events, education, anniversaries, culture events
- ITINERARIES. Suggested routes that someone can follow to visit similar POIs, e.g. thematic routes (culture, historic, thermal spring, ecological)



Visual Representation of Data Sets



Endpoint: tourism.citysdk.lamia-city.gr/pois/search?limit=20&categ...

```
$ => Array (1)
(
  ['poi'] => Array (14)
  (
    ['o'] => Array (12)
    (
      ['location'] => Array (2)
      (
        ['point'] => Array (1)
        (
          ['o'] => Array (2)
          (
            ['Point'] => Array (2)
            (
              ['posList'] = String(19) "38.872442 22.245362"
              ['srsName'] = String(42) "http://www.opengis.net
/def/crs/EPSG/0/4326"
            )
            ['term'] = String(6) "center"
          )
        )
        ['address'] => Array (2)
        (
          ['value'] = String(33) "Δ.Ε. Υπότης, Ελλάδα"
          ['type'] = String(10) "text/plain"
        )
      )
    )
    ['label'] => Array (4)
    (
      ['o'] => Array (3)
      (
        ['term'] = String(7) "primary"
        ['value'] = String(21) "Θέσεις θέας"
        ['type'] = String(5) "place"
      )
    )
  )
)
```

<http://www.lamia.gr/en/tracker-poi-map>



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Apps and Services

- Tourism application for Android and Windows Phone has been developed to test API and to offer a challenge to developers for new apps
- Currently consumes Lisbon's, Lamia's, Amsterdam's and Rome's endpoints. More endpoints to be added
- 500 total Downloads
- During Hercules Marathon (national running race) an application was developed by a team of developers, supported by GNOSIS, to help the organizing committee, runners, volunteers and audience that combined tourism and mobility data
- Google Play: <https://play.google.com/store/apps/details?id=com.smarts.tourguide&hl=en>
Windows Phone: <http://www.windowsphone.com/en-us/store/app/tourguide/351b0be3-c169-4fc5-9e04-7c5763d36e8b>

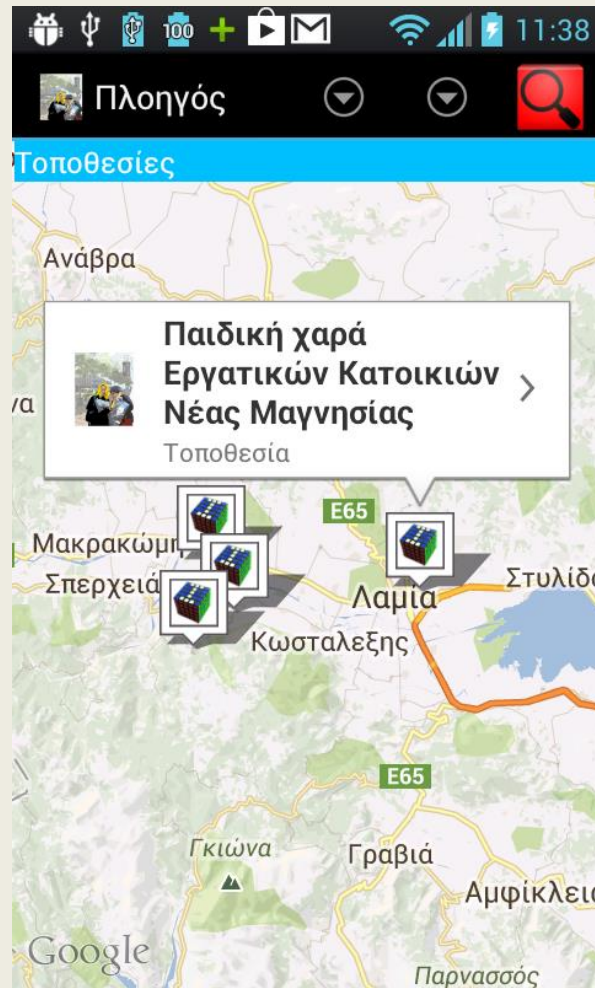
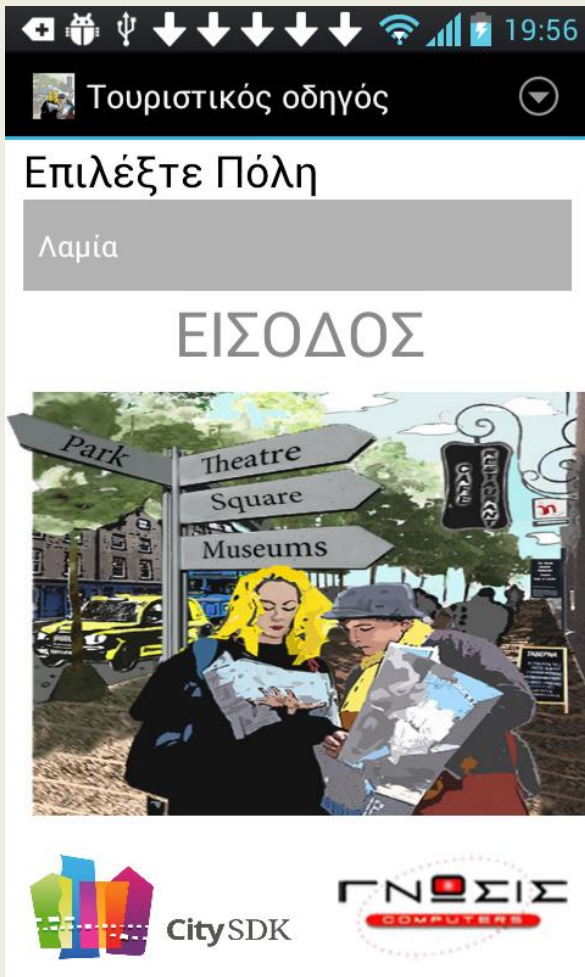


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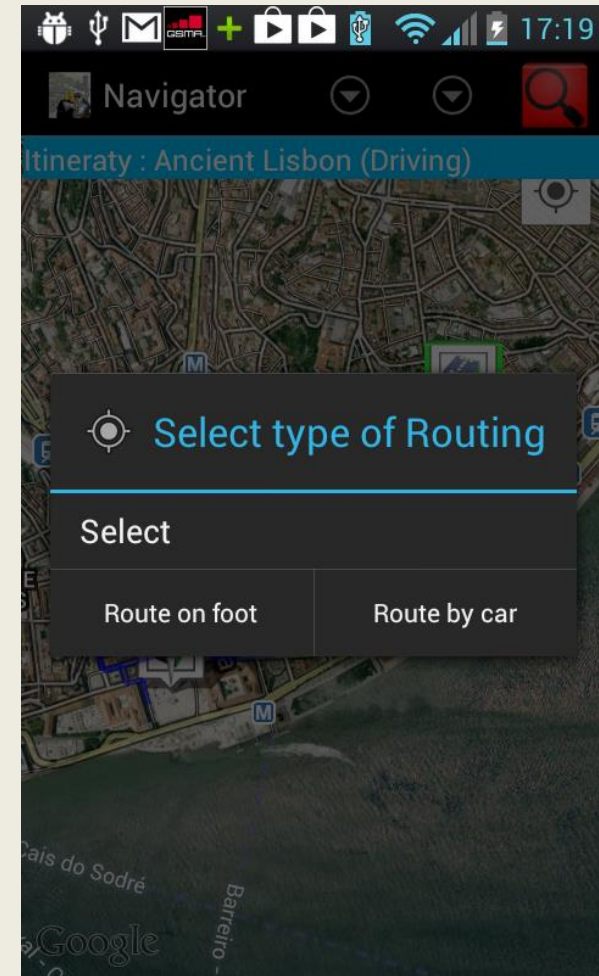
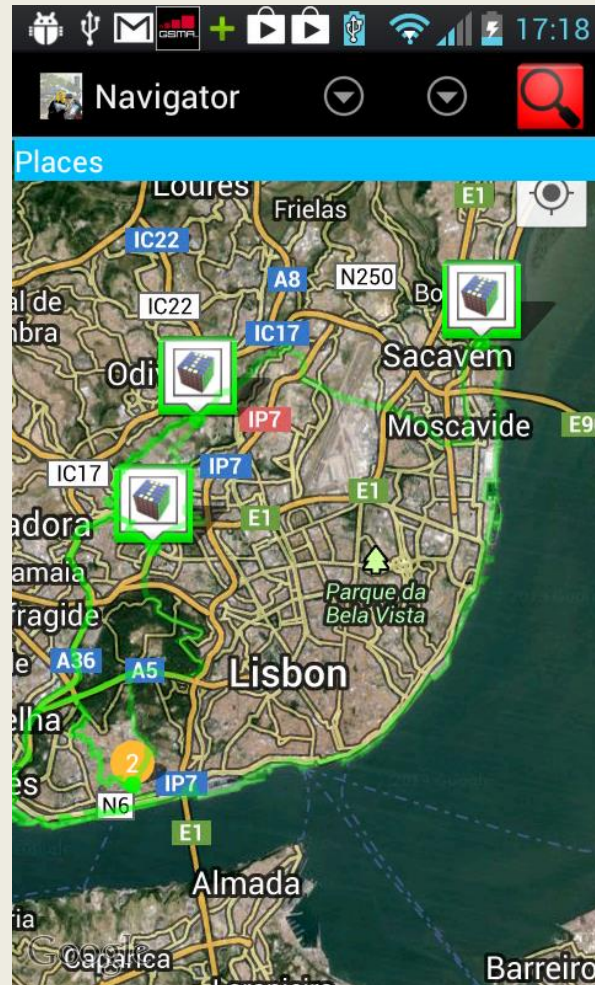
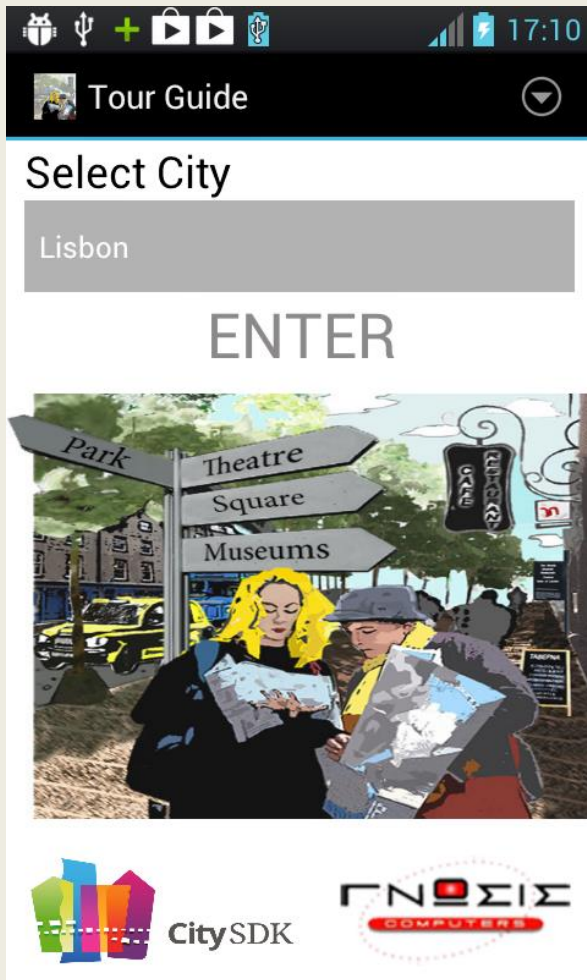


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Apps and Services



Apps and Services



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Engagement Activities

Activities carried out to engage developer communities and end-users into open innovation processes

Engagement activities of developers

Actual Dates	Location	Event	Main target groups – Participants
5-9-12	Lamia's 5 th High School	Annual meeting of High School's teachers (with specialty in Computer Science)	Academic audience (70). Teachers and Professors with specialty in Computer Science to transfer knowledge to young students
19-9-12	University of Central Greece	1 st Open Data Workshop for Academic audience.	
24-4-13			
12-9-12	Technological Education Institution of Lamia	Meeting for the project's presentation and dissemination	Software engineers (10) Engineer's association advisory board.
24-10-12			
18–26.5.13	Panhellenical Exhibition of Greece	Special Hall for the promotion of CitySDK activities	Wide Public (35.000 visitors)
3 – 6.6.13	City's events center	Pan-European week of environment	Ecologists, environmental groups, (Over 800 participants)

Special events for developers engagement

Actual Dates	Location	Event	Main target groups – Participants
11-5-13	1 st Lamia Night Run	CitySDK support for athletic event	Wide Public (Over 1200 participants Over 25000 visitors of special web site)
22-9-13	7 st Hercules Marathon Skyrunning		



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Impact of CitySDK

Outcomes from the process of opening data from a political, economic and technological perspective

For Municipality of Lamia

- Improvement of local governance through regeneration and more efficient and sustainable uses of the facilities and resources located in the city
- Enhance communication and interactions between city's administrations, developers, businesses and citizens
- Develop new public assets, including a city information infrastructure
- Provide more effective links between economic, social and environmental planning within the city
- Captured and shared experience and expertise in these areas from across the EU and worldwide



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Impact of CitySDK

For Developers

- Datasets that have never been collected and exposed
- Incentive for creating digital content and online enhancing services
- Creation of an open digital framework for cooperation with city

For Users

- Multichannel (web, mobile devices) access to Lamia's digital services through a single point
- New more attractive and useful online services and apps
- Improved quality of information for citizens
- Ease of access to use of critical information and services
- Provision of complex sets of information in a friendly way



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Impact of CitySDK

Stakeholders involvement in open innovation and service co-design

Actual Dates	Location	Event	Main target groups – Participants
10-10-12	Mercantile Chamber of Fthiotida	Meeting for the project's presentation and dissemination	Commercial public (40). Representatives of tourism businesses and tour operators
11-3-13	Municipality of Lamia's Boardroom		

Engagement of other cities

Actual Dates	Location	Event	Main target groups – Participants
15-11-12	Hall meeting of regional association of municipalities in Sterea Hellas	Meeting of regional association of Municipalities in Central Greece. Short presentation	Mayors of Municipalities in Region of Sterea Hellas (15)
12–13.11.13	Stutrgart Frahofer institute	TIDE project Workshop	Participants from Wien, Madrid, Reading, Kalw etc

Project communication

Actual Dates	Location	Event	Main target groups – Participants
15-2-13	Lamia's Conference Centre	Official launch of Lamia's new webpage	Representatives of press, media, research institutions, commercial organizations, scientific bodies, academic institutions, Town Council and wide public (120)
15-4-13		1 st Wide event for the project's presentation and result's dissemination as they have become available.	



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Thank you!

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