Greater Amman Municipality (GAM)

Amman urban Observatory (AUO)

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Strategic Planning for Local Economic Development Workshop

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Amman Urban Observatory (AUO):

About AUO:
Amman Urban Observatory (AUO) is a department at GAM. AUO was reactivated and start producing urban indicators in 2008. AUO has a team of statisticians and researchers. The researchers collecting row data from AUO’s Stakeholders.

AUO producing Amman Urban indicators (AUI) according to the following agendas:

- **Un-Habitat Indicators** (89 Indicators)
- **Global City Indicators Facility (GCIF)** (74 Indicators)
- **Ukid** (29 Indicators)
- **World Council on City Data (WCCD)** (100 Indicators)
- **City Prosperity Index for Amman City (CPI)**.
Producing Indicators:

1 – **Manually**: Used manually calculations in indicators computations.


3 – **Visual Basic (VB) App.**: AUO team built a VB application with access database.

4 – **Oracle 9 Database**: AUO team built a Database using Oracle 9.

5 – **Oracle Apex (OAP)**: AUO team built a Database and App. using Oracle Apex.
AUO is collecting Raw Data from partners (Government sector, Private sector, NGOs) through stakeholders’ network:

- Field Visiting to AUO’s partners.
- Partners’ portals websites & reports
- E-mail.
- Phone calling.
## AUO’s Stakeholders:

<table>
<thead>
<tr>
<th>Ministries</th>
<th>Government departments</th>
<th>Private sectors</th>
<th>Partners in sustainable and developing Amman city</th>
</tr>
</thead>
</table>

AUO Stakeholders
Data Cycle in AUO:

Publish data:
(GAM Internal Network, WCCD Portal, Researchers, University Students, Presentations, Meetings)

Stakeholders
- Reports
- Urban Indicators

Feedback
- Raw data
- Validate data

AUO
- Top Managements
- Strategic planners
- Decision makers
Data management in AUO:

When designing the Database; AUO considered the below flow chart.
Data management at AUO level:

1. **Raw Data Collection**: Stakeholders, Partners.
2. **Raw Data Classification & Analysis**.
3. **Producing Urban Indicators at Amman City Level**.
4. **Publishing Urban Indicators**.
5. **Benchmarking**.
Amman Urban Observatory Applications’ Categories:

- Amman Urban Indicator.
- Amman Resilience.
- Climate Change Indicators: (Amman city is part of C40 network)
- Amman Health City.
- Cultural Indicators.
- Statistical Data for Amman city (Amman Record).
APEX Application for Producing Indicators in AUO:

Themes
1) Demographic.
2) Health.
3) Education.
4) Safety.
5) Technology and innovation.
6) Transportation.
7) Infrastructure.
8) Finance.
9) Energy.
10) Waste water.
11) Solid waste.
12) Water.
13) Environment.
14) Social and economic.
15) Culture.
Economic \ Socioeconomic Indicators:

- Households Below The Poverty line
- Informal Employment
- Life Expectancy at Birth
- Unemployment Rate
- Higher Education unemployment Rate
- Crime Rate
- Hospital Beds per Person
- Number of new patents per 100,000 per year
- Percentage of city population living in poverty
- Youth unemployment rate
- Number of businesses per 100,000 population
- Number of in-patient hospital beds per 100,000 population
Amman record:

A category that records all Amman’s statistical data (demographical, social, economical, educational, health and safety, ...) at Amman city level.
With OAP, there is a simple way for end user (Planners, Decision makers, researchers and citizens) to design their own reports.
AUO – Representing Data in Terms of GIS:
### GAM Land use April 2015

<table>
<thead>
<tr>
<th>Area</th>
<th>Area (sq km)</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Residential</td>
<td>221.6</td>
<td>27.6</td>
</tr>
<tr>
<td>Commercial</td>
<td>17</td>
<td>2.1</td>
</tr>
<tr>
<td>Industrial</td>
<td>27.1</td>
<td>3.4</td>
</tr>
<tr>
<td>Offices</td>
<td>1.3</td>
<td>0.1</td>
</tr>
<tr>
<td>Gardens</td>
<td>7.9</td>
<td>1</td>
</tr>
<tr>
<td>Public buildings and schools</td>
<td>5.4</td>
<td>0.6</td>
</tr>
<tr>
<td>Mixed use</td>
<td>0.8</td>
<td>0.1</td>
</tr>
<tr>
<td>Rural</td>
<td>2.3</td>
<td>0.3</td>
</tr>
<tr>
<td>Agricultural</td>
<td>4.7</td>
<td>0.6</td>
</tr>
<tr>
<td>Cemeteries</td>
<td>0.4</td>
<td>0.05</td>
</tr>
<tr>
<td>Special use</td>
<td>10.9</td>
<td>1.3</td>
</tr>
<tr>
<td>Green areas</td>
<td>1.2</td>
<td>0.1</td>
</tr>
<tr>
<td>Other</td>
<td>7.4</td>
<td>0.9</td>
</tr>
<tr>
<td>Streets inside zoned areas</td>
<td>10.5</td>
<td>13</td>
</tr>
<tr>
<td>Quarries</td>
<td>10.1</td>
<td>1.2</td>
</tr>
<tr>
<td>Outside zoned areas</td>
<td>378.4</td>
<td>47</td>
</tr>
<tr>
<td>Total Area</td>
<td>802.5</td>
<td>100</td>
</tr>
</tbody>
</table>

(by calculation)

Zoned area 424.1

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GAM in figures:
Economic Indicators Produced by AUO:

Unemployment (%)

Higher Education unemployment Rate (%)

Number of businesses per 100,000 population

Number of new patents per 100,000 per year
Deploying data and indicators:

1. AUO deploying Data to:
   - International Portals like (World council on city data - WCCD portal https://polar-fortress-2667.herokuapp.com/).
   - GAM Intranet.

2. Issuing Annually Reports. Stakeholders and partners and researchers have access to the reports.
Refugees in Jordan:
Refugees numbers in Amman districts:

Chart shows the number of refugees in Amman districts according to 2015 census.
Services distribution for Syrian refugees in Amman districts:

Registered refugees in urban areas as of 15 May 2014:

- **157,699**
- Male 48%
- Female 52%

For more information, visit [www.syrianrefugeeresponse.org](http://www.syrianrefugeeresponse.org)
**Financial coverage until September 2017:**

**INTER-AGENCY FINANCIAL TRACKING - JORDAN (January - September 2017)**

**THIRD QUARTER 2017 - RESILIENCE COMPONENT**

**Funding Status**

9% - $10m of the total requested funds under EDUCATION sector have been received.

<table>
<thead>
<tr>
<th>Agency</th>
<th>Total Requested (USD)</th>
<th>Received (In USD)</th>
<th>% Received</th>
</tr>
</thead>
<tbody>
<tr>
<td>UNICEF</td>
<td>$76,957,000</td>
<td>$3,148,740</td>
<td>2.4%</td>
</tr>
<tr>
<td>WORLD VISION</td>
<td>$8,613,205</td>
<td>$757,567</td>
<td>6.7%</td>
</tr>
<tr>
<td>SAVE THE CHILDREN</td>
<td>$5,800,000</td>
<td>$1,120,393</td>
<td>19.5%</td>
</tr>
<tr>
<td>UNESCO</td>
<td>$3,800,000</td>
<td>$500,000</td>
<td>13.2%</td>
</tr>
<tr>
<td>NRC</td>
<td>$3,500,000</td>
<td>$3,284,478</td>
<td>95.5%</td>
</tr>
<tr>
<td>AVSI</td>
<td>$3,164,124</td>
<td>$613,178</td>
<td>30.0%</td>
</tr>
<tr>
<td>LWF</td>
<td>$1,250,000</td>
<td>$232,875</td>
<td>38.8%</td>
</tr>
<tr>
<td>RIGHTS TO PLAY</td>
<td>$1,096,532</td>
<td>$417,441</td>
<td>36.0%</td>
</tr>
<tr>
<td>TDH-ITALY</td>
<td>$9,600,000</td>
<td>$1,17,638</td>
<td>12.1%</td>
</tr>
<tr>
<td>Vento Di Terra</td>
<td>$597,376</td>
<td>$117,312</td>
<td>29.7%</td>
</tr>
<tr>
<td>WAR CHILD UK</td>
<td>$400,000</td>
<td>$665,102</td>
<td>166.3%</td>
</tr>
<tr>
<td>UPP</td>
<td>$353,600</td>
<td>$117,306</td>
<td>33.2%</td>
</tr>
<tr>
<td>PCA</td>
<td>$166,200</td>
<td>$81,425</td>
<td>49.0%</td>
</tr>
<tr>
<td>WAR CHILD CANADA</td>
<td>$21,000</td>
<td>$2,166,834</td>
<td>1032.5%</td>
</tr>
<tr>
<td><strong>Grand Total</strong></td>
<td><strong>$110,094,716</strong></td>
<td><strong>$10,325,674</strong></td>
<td><strong>9.4%</strong></td>
</tr>
</tbody>
</table>

**Participating Agencies (Reporting Status in 3rd Quarter):**

- 19 Requested
- 19 Reported
- 0 Not Reported

5 Agencies without funding

For more information on this sector, please contact:
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- Edina Dutton, UNESCO, edutton@unesco.org

Disclaimer: This FTI is based on funds received by resilience response partners in Jordan. It only covers the Inter-Agency support for the resilience component of the JRP, in support of the Jordan Response Plan (JRP). The JRP FTI remains the authoritative source for funds pledged and allocated to the JRP log-frame. For more information, see [http://www.jrpsc.org/jrpfti/](http://www.jrpsc.org/jrpfti/).
Thanks