Provision of interconnected registries and geoinformation from Prešov City Council
(set of examples of data presentation from the Prešov municipal government)
Prešov – Metropolis of Šariš region

- The population – approx. 90 000 inhabitants
- The third largest city in Slovakia
- Centre of Prešov region
- Students' city: 16 basic schools, 9 gymnasiums, 19 secondary schools, 4 universities with 11 faculties

Complex information system of Prešov city
- more than 400 clients in the system
- covering municipal government agenda priorities with one single Oracle database technology
- 2011 - legal requirement to publish contracts, invoices and orders on the web egov.presov.sk
- 2015 OPEN DATA Catalogue
RECIPE how to achieve that ... 3 assumptions

1. quality raw material in the chamber (chamber = complex information city system)
   - house registry, address locators registry, streets registry
   - registry of permanent and temporary citizens’ residency
   - cadastral and ownership data
   - registry of offences on address according explicit classification, type
   - dogs registry according the address of holding / keeping, dangerous dogs
   - registry of premises and services including their hours of operation
   - updated collection and visualization of address points (addresses) with their interlinking with the relevant registries

2. willing, enthusiastic and hardworking helpers
   - everybody ensures correctness of their part of the registry, it is day to day work on the city hall office and municipal police
   - publishing for the citizens if fully automated via transfer of selected data from the Back-Office via synchronization during night

3. fantasy and inspiration of chef
City property and Land registry

Data from the Land registry are updated on monthly basis in internal information system as well as in publically accessible web map
Demography - „population density“ according the permanent and temporary citizens’ residency

We will need:

• 1 Registry of addresses and geometries
• 1 Registry of the permanent and temporary citizens’ residency
• 1 Map for visualization of the counts of citizens and addresses
Dogs registry - map visualization

We will need:
• 1 Registry of addresses and geometries
• 1 Streets registry
• 1 dogs registry according the address of holding / keeping
• 1 Registry of dangerous dogs
• 1 Registry of dogs areas
• 1 Map for visualization of the counts of dogs and addresses
Map of offences committed in the field of transport
(+ cleanliness, environment, breeding of dogs, public order, against the property)

We will need:
• 1 Registry of addresses and geometries
• 1 Registry of offences on address (according 5 categories: transport, cleanliness, environment, breeding of dogs, public order, against the property)
• 1 Map for visualization of the counts of offences and addresses
Map of playgrounds, sport facilities and other important object (e.g. toilets)
List of tax debtors

Better payment discipline, less tax debtors, financial benefits

<table>
<thead>
<tr>
<th>Year</th>
<th>less tax debtors</th>
<th>less total (€)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2012</td>
<td>255</td>
<td>117,665 €</td>
</tr>
<tr>
<td>2013</td>
<td>284</td>
<td>204,573 €</td>
</tr>
<tr>
<td>2014</td>
<td>352</td>
<td>213,607 €</td>
</tr>
<tr>
<td>2015</td>
<td>312</td>
<td>163,467 €</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>699,312 €</strong></td>
</tr>
</tbody>
</table>
Useful information for the citizens

Registries – 33 topics

- Orders = 33 companies
- Contracts = 33 companies
- Invoices = 33 companies
- Budget = 33 companies
- Municipal governance – board members
- Notice board, Archive
- Binding regulations, Petitions
- Security
- Education
- Subsidies
- Elections
- Streets
- Addresses
- Demography
- Premises and services
- Dogs registry
- Tax debtors
- OPEN DATA catalogue, etc...

City map – 40 topics

- Orthophoto (for more years)
- Cadastral borders
- Location/navigation map
- Streets, addresses, Address locators register
- Demography, density of habitation
- Dogs, Dangerous dogs, Dog areas
- School facilities
- Parcels of land registry C a E
- Property of the city
- Land used plans for 2013 a 2012
- Offences based on categories
- Landslide areas
- Flood map
- Public green areas
- Planimetry
- Playgrounds, sport facilities, Bike trails, city camera, contours, etc.
OPEN DATA catalogues of Prešov city
From municipal governance to national significance and vice-versa

- **Municipalities**
  - producers and consumers of the significant amount of data
  - often knows, how to present the information contained within data
  - face difficulties to access and share data from national authorities
  - lack of human and financial resources to collect and maintain data

- **National authorities**
  - updates many national datasets with the input from municipalities
  - provides national data also for regional and local use based on specific licensing conditions
  - limited capacities for effective and transparent procurement and spending of available resources

- **Options for improvement**
  - INSPIRE, PSI
  - eGovernment, Open Data, Open Government Partnership
  - slovensko.digital
City of Prešov – future Smart Cities ...

Recent evaluation of 28 Slovakian cities – openness ranking of published information, accessibility in connection to the citizens was the main objective of the independent evaluation made by Czech experts: Michal Zimmerman – Clevermaps, David Bárta – editor in Chief of magazine Smart Cities.


<table>
<thead>
<tr>
<th>Ranking</th>
<th>City</th>
<th>Grand total</th>
<th>the sum of quantitative</th>
<th>the sum of qualitative</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Prešov</td>
<td>173</td>
<td>90</td>
<td>83</td>
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<tr>
<td>2.</td>
<td>Nitra</td>
<td>67</td>
<td>45</td>
<td>22</td>
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<tr>
<td>3.</td>
<td>Michalovce</td>
<td>62</td>
<td>42</td>
<td>20</td>
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<td>4.</td>
<td>Levice</td>
<td>58</td>
<td>34</td>
<td>24</td>
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<tr>
<td>5.</td>
<td>Košice</td>
<td>53</td>
<td>31</td>
<td>22</td>
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<tr>
<td>6.</td>
<td>Banská Bystrica</td>
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<td>31</td>
<td>22</td>
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<tr>
<td>7.</td>
<td>Trenčín</td>
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<td>21</td>
<td>30</td>
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<tr>
<td>8.</td>
<td>Martin</td>
<td>49</td>
<td>23</td>
<td>26</td>
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<tr>
<td>9.</td>
<td>Žilina</td>
<td>42</td>
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<td>22</td>
</tr>
<tr>
<td>10.</td>
<td>Ružomberok</td>
<td>39</td>
<td>17</td>
<td>22</td>
</tr>
</tbody>
</table>
Thank you for your attention

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