



# Smart M.App Platform Overview

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## Současné podmínky



### Obsah

Nová „vlna“:

- Větší přesnost
- Častější aktualizace
- Větší detail



### Přístup

On-line uživatelé:

- Trvalé připojení
- Přístup k ekosystému obsahu, informací a poskytovatelů aplikací



### Postupy/Modely

Vývoj od tradičního prodeje dat k obchodnímu modelu využívání aplikací a informací s přidanou hodnotou



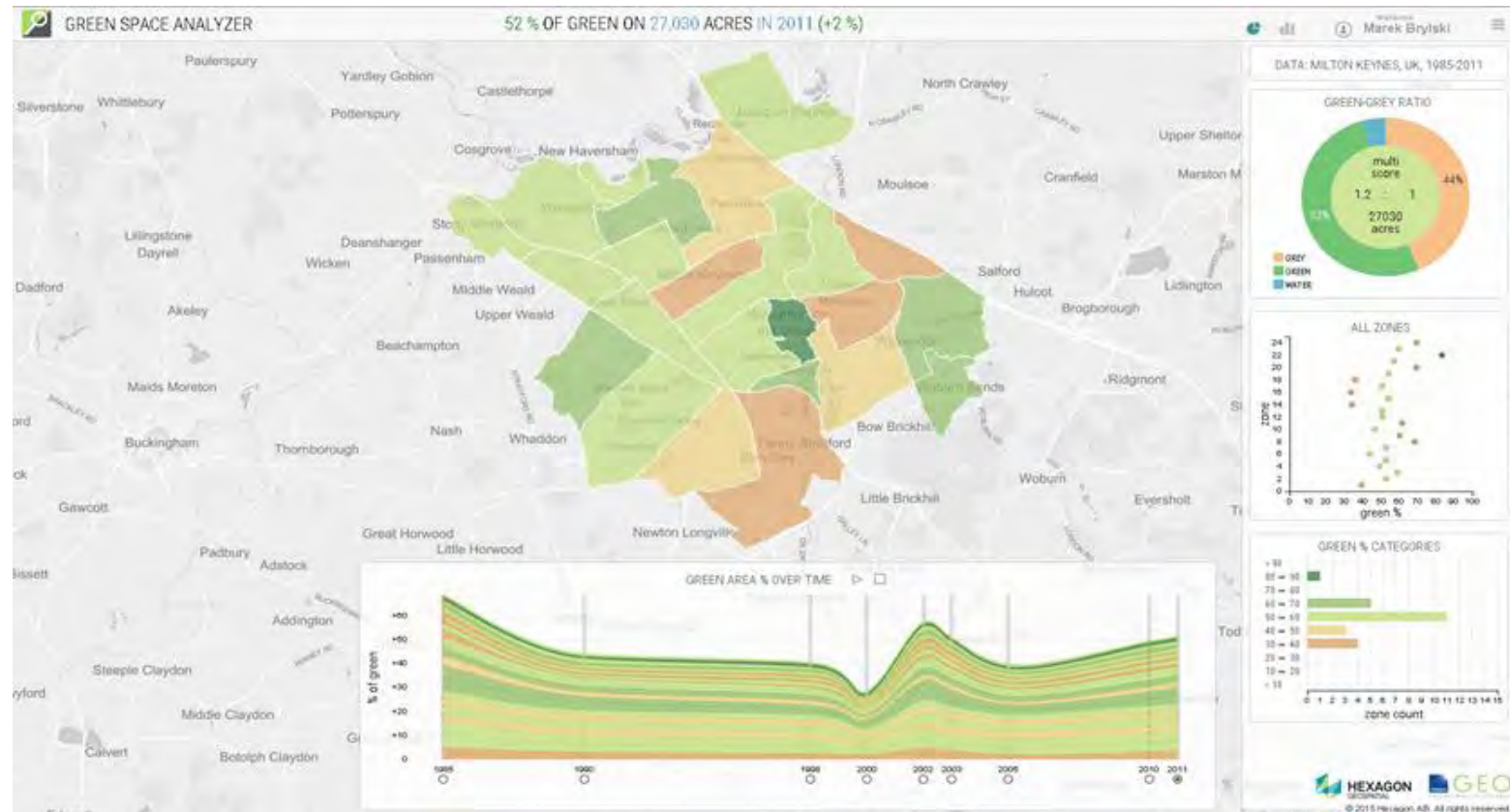
### Odpovědi

Rostoucí potřeba on-line analytických nástrojů a informačních služeb, kt. podporují rozhodovací procesy



## Dnešní požadavky na Geospatial řešení

- Časté aktualizace dat
- Flexibilita v konfiguraci účelových aplikací
- Velké objemy dat
- Vyhodnocování dat
- Jednoduchá rozhraní



## Hexagon Smart M.App



Obsah



Postup



Analytika



Prezentace

Cílené - Jednoduché - Dynamické



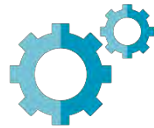
## Jak to funguje?



**1. Přihlášení k „obsahu“**



**2. Definice pracovního postupu**



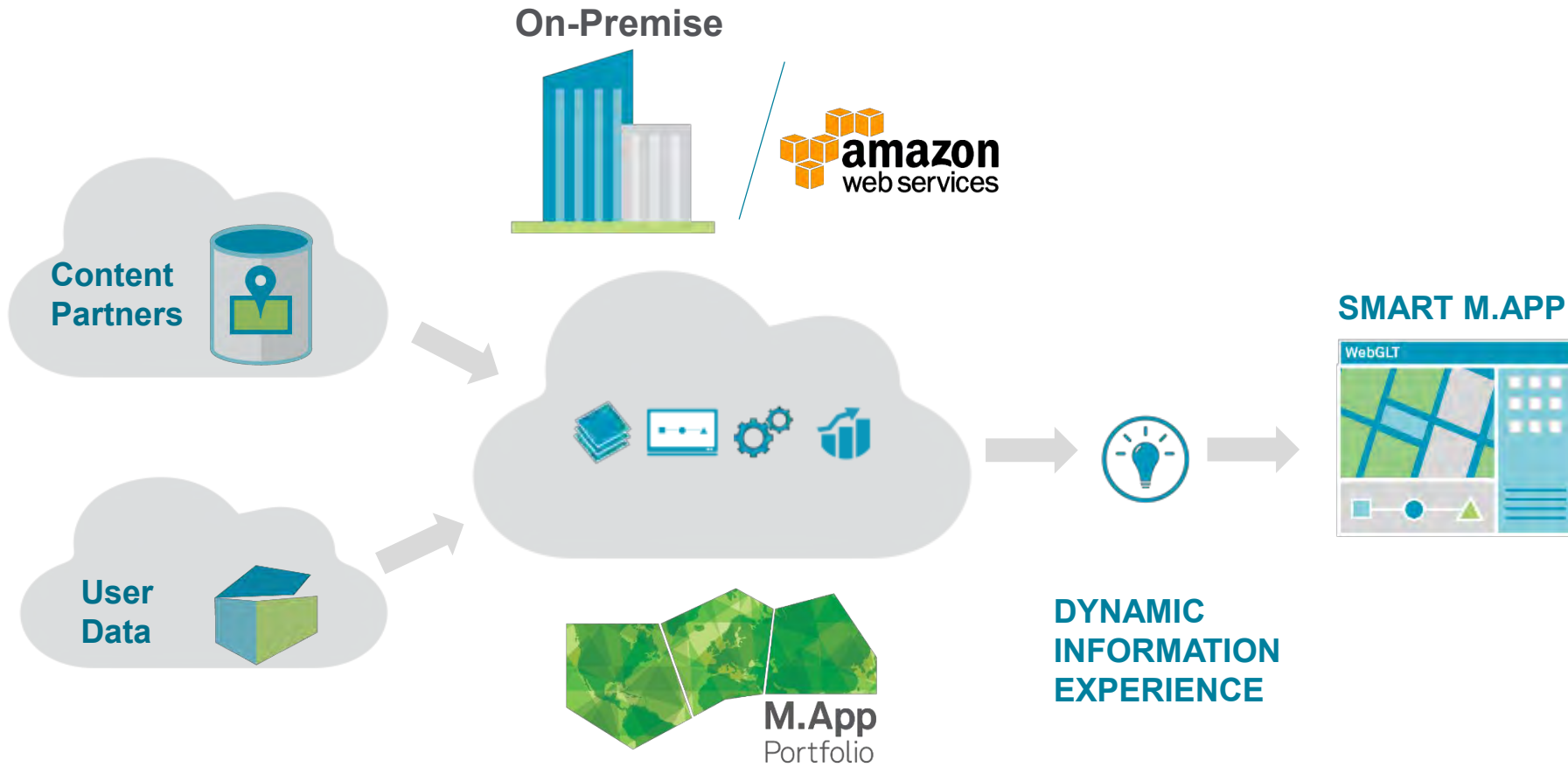
**3. Vytvoření analýz**



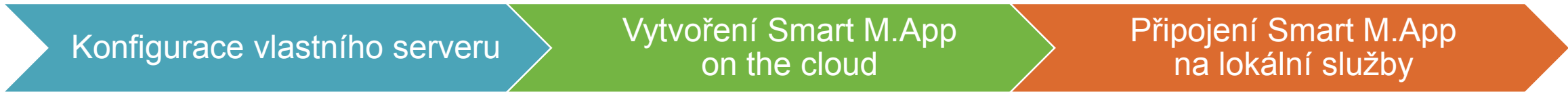
**4. Specifikace výstupů**



# Jak to funguje



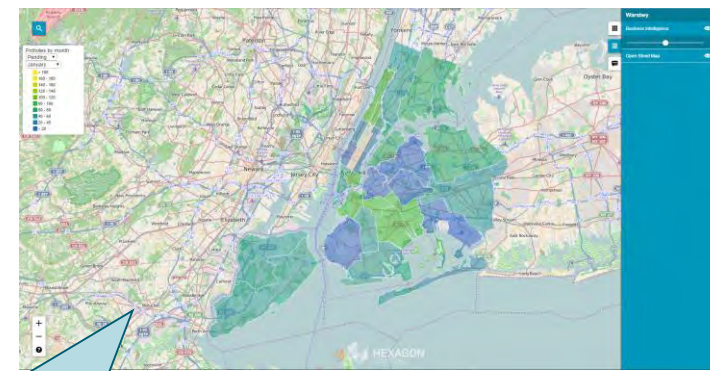
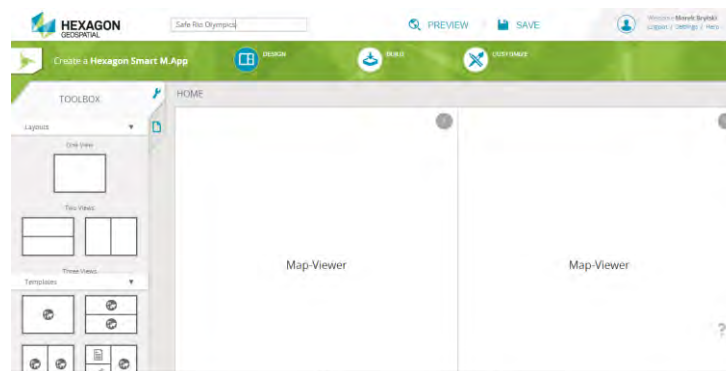
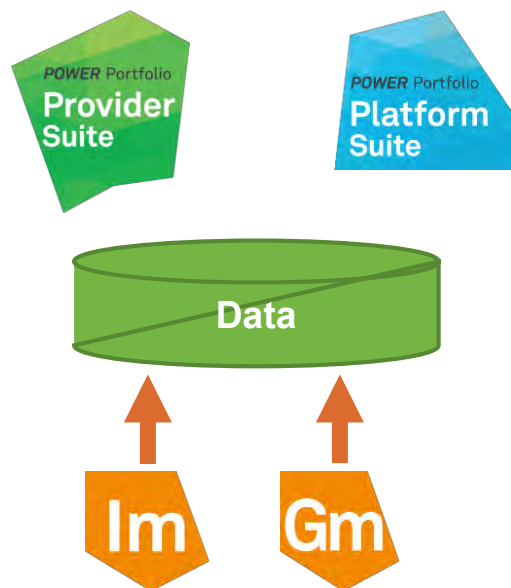
# Obecný postup



GeoMedia WebMap  
ERDAS APOLLO  
GeoMedia Smart Client

M.App Studio  
Smart M.App creator

M.App Studio  
Smart M.App creator



Lokální zabezpečené služby + externí služby





MY M.APPS



CONTENT



WORKFLOWS



MAPS



RECIPES



- Create New M.App
- Create New Content
- Create New Workflow
- Create New Map
- Create New Spatial Recipe

DELETE

Sort By Name Ascending

Filter By Name

Show All

Name	Version	Created	Status	Action
AkceZvLodzi	v1			🎮 / ✎ / 📄 / 🔗 / 🗑️
DeleteMeMApp	v1			🎮 / ✎ / 📄 / 🔗 / 🗑️
DemoMultiViewer	v1			🎮 / ✎ / 📄 / 🔗 / 🗑️
DemoSimpleViewer	v1	10. 03. 2016 10:31	Ready	🎮 / ✎ / 📄 / 🔗 / 🗑️
DemoSimpleViewer Clone <span>Shared with me</span>	v1	22. 03. 2016 11:16	Ready	🎮 / ✎ / 📄 / 🔗 / 🗑️
Kilton61_02 <span>Shared with me</span>	v8	22. 03. 2016 12:59	Ready	🎮 / ✎ / 📄 / 🔗 / 🗑️
Lodz Citizen Budget <span>Shared with me</span>	v3	21. 03. 2016 16:47	Ready	🎮 / ✎ / 📄 / 🔗 / 🗑️
Lodz Citizen Budget VSP	v1	23. 03. 2016 15:53	Ready	🎮 / ✎ / 📄 / 🔗 / 🗑️
SimpleViewMap	v4	22. 03. 2016 13:54	Ready	🎮 / ✎ / 📄 / 🔗 / 🗑️
Workflow With Map <span>Shared with me</span>	v2	23. 03. 2016 14:58	Ready	🎮 / ✎ / 📄 / 🔗 / 🗑️



**Properties**

LC82020242015019LGN00-msi.img

TYPE  
Image

DESCRIPTION  
Coverage Data

ID  
2c9180815357129e0153a2f74073009d






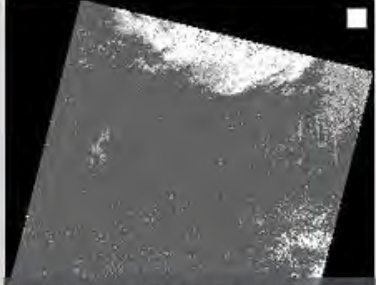



TAGS

REGISTRATION DATE  
Mar 23, 2016 11:13:46 AM

FOLDER  
ROOT

Page 1 / 1 | 9 search results | [Select All](#) | [Deselect All](#)

Sort by: [Dropdown] | [Dropdown] | View: 20 | [1]

 <p><b>MiltonKeynesZones.geojson</b> FEATURE   Folder: ROOT Mar 22, 2016 12:01:16 PM</p>	 <p><b>O_polska.shp</b> FEATURE   Folder: ROOT Mar 22, 2016 12:27:35 PM</p>	 <p><b>PolbndA.shp.xml</b> DOCUMENT   Folder: ROOT Mar 22, 2016 2:39:47 PM</p>	 <p><b>PolbndA.shp</b> FEATURE   Folder: ROOT Mar 22, 2016 2:40:10 PM</p>
 <p><b>LC82020242015019LGN00-...</b> IMAGE   Folder: ROOT Mar 23, 2016 11:13:46 AM</p>	 <p><b>LC82020242015019LGN00-...</b> IMAGE   Folder: ROOT Mar 23, 2016 11:13:48 AM</p>	 <p><b>GeoTIFF_Kowloon.tif</b> IMAGE   Folder: ROOT Mar 22, 2016 11:55:16 AM</p>	 <p><b>woj.geojson</b> FEATURE   Folder: ROOT Mar 22, 2016 1:06:40 PM</p>
			



TOOLBOX



DESIGN



BUILD



CUSTOMIZE

Layouts

One Panel



Two Panels



Three Panels



Four Panels



Customization

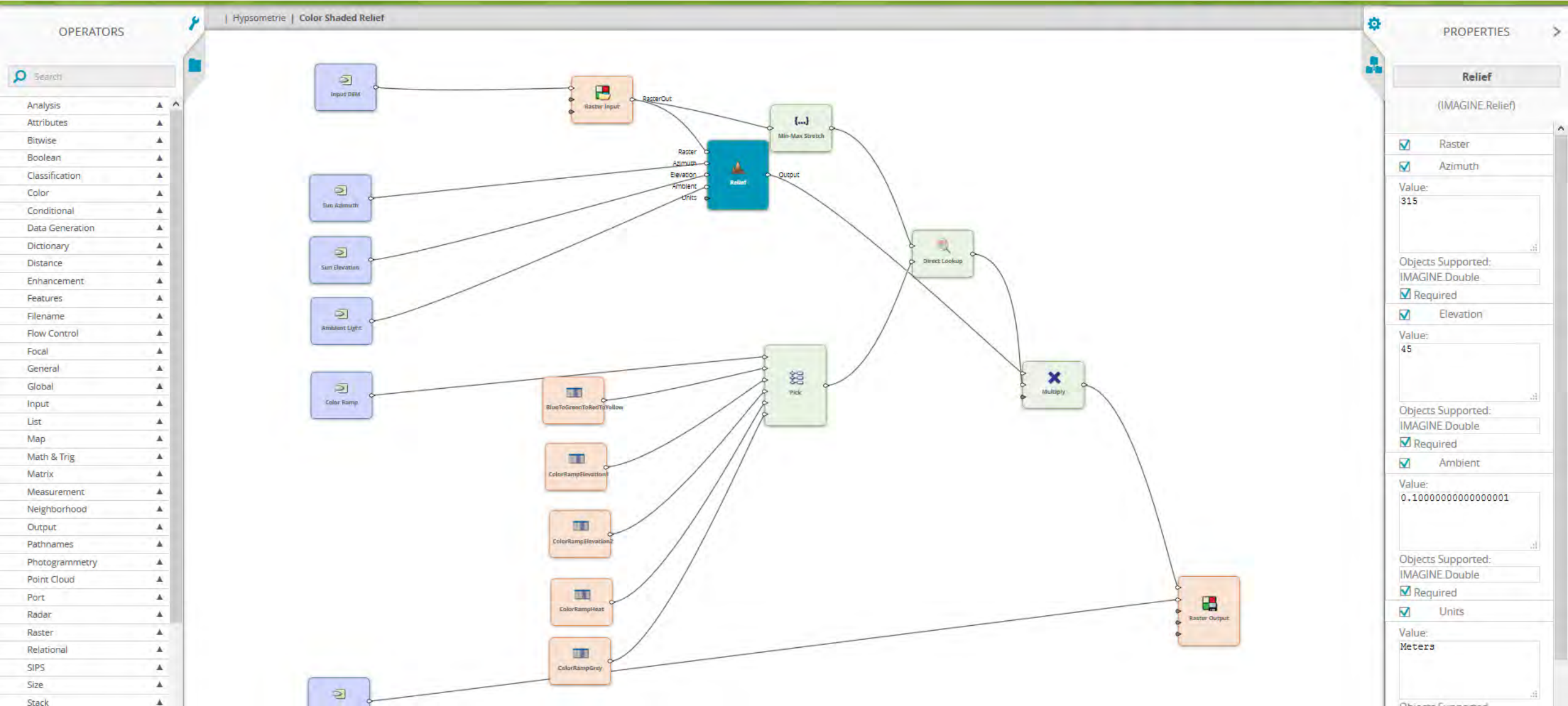
You can easily customise your layout and add more panels in "Build" step.

Templates



Exercise 4

5.01.2016 16:26  
61 KB  
2.03.2016 8:59  
available offline



PROPERTIES

**Relief**  
(IMAGINE.Relief)

- Raster
- Azimuth
- Value: 315
- Objects Supported: IMAGINE.Double
- Required
- Elevation
- Value: 45
- Objects Supported: IMAGINE.Double
- Required
- Ambient
- Value: 0.10000000000000001
- Objects Supported: IMAGINE.Double
- Required
- Units
- Value: Meters

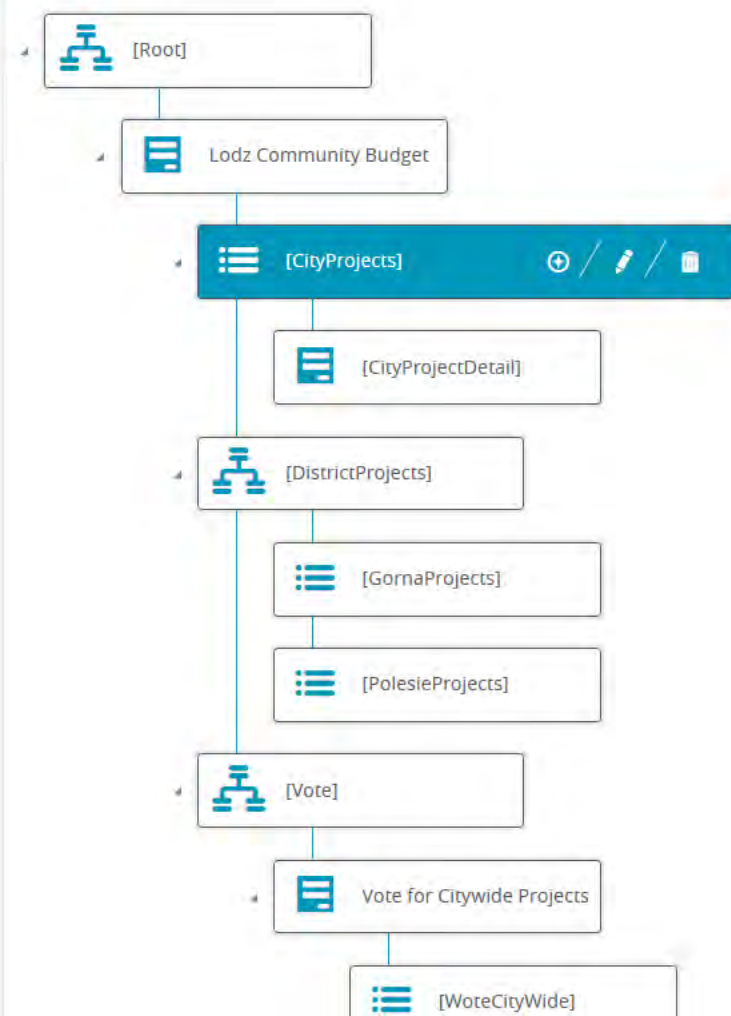




[Undefined]

- TOOLBOX
- Nodes
- Form
  - List
  - Workflow

[Undefined]



PROPERTIES

Id  
CityProjects

Label  
[ ]

Follow Node  
[ ]

List  
CityProjectList

Condition  
[ ]

Authorization  
[ ]





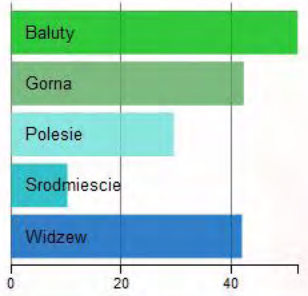
There are 452.00 projects with 561.75 votes and total costs of 176.00 PLN

INTRODUCTION

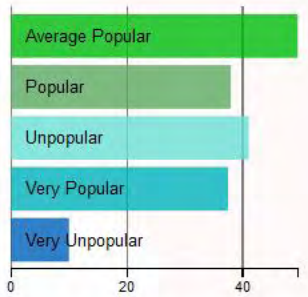
PROJECT COST ANALYSIS

VOTES DISTRIBUTION ANALYSIS

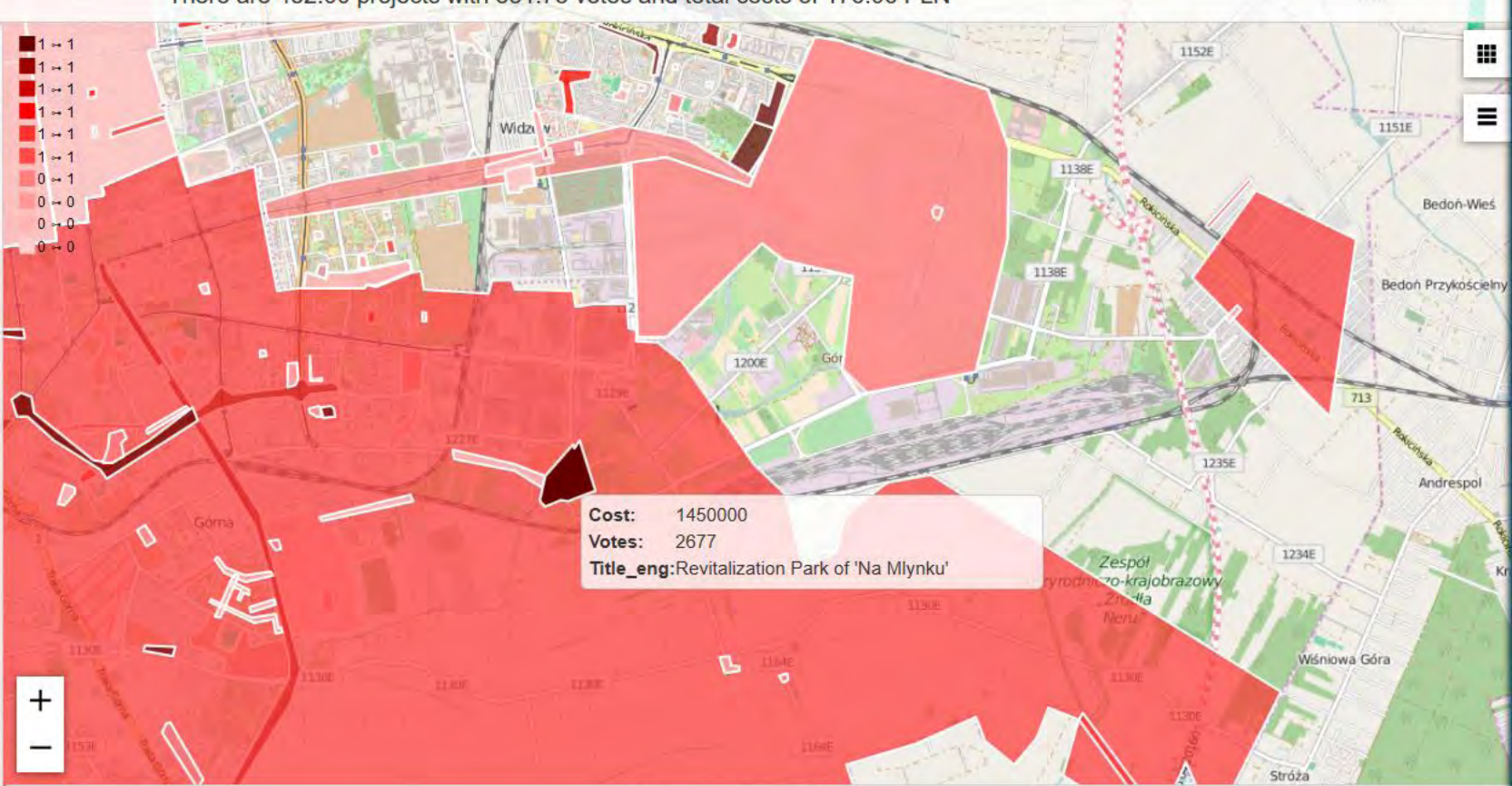
COSTS BY DISTRICTS



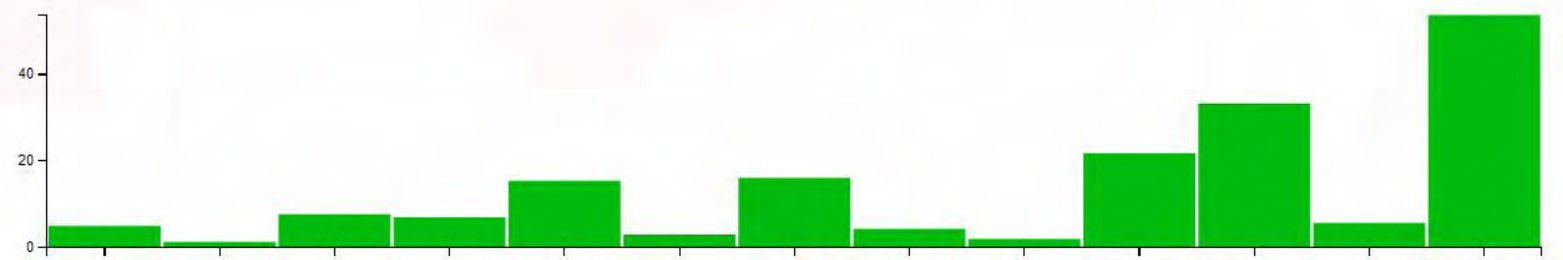
COSTS BY POPULARITY



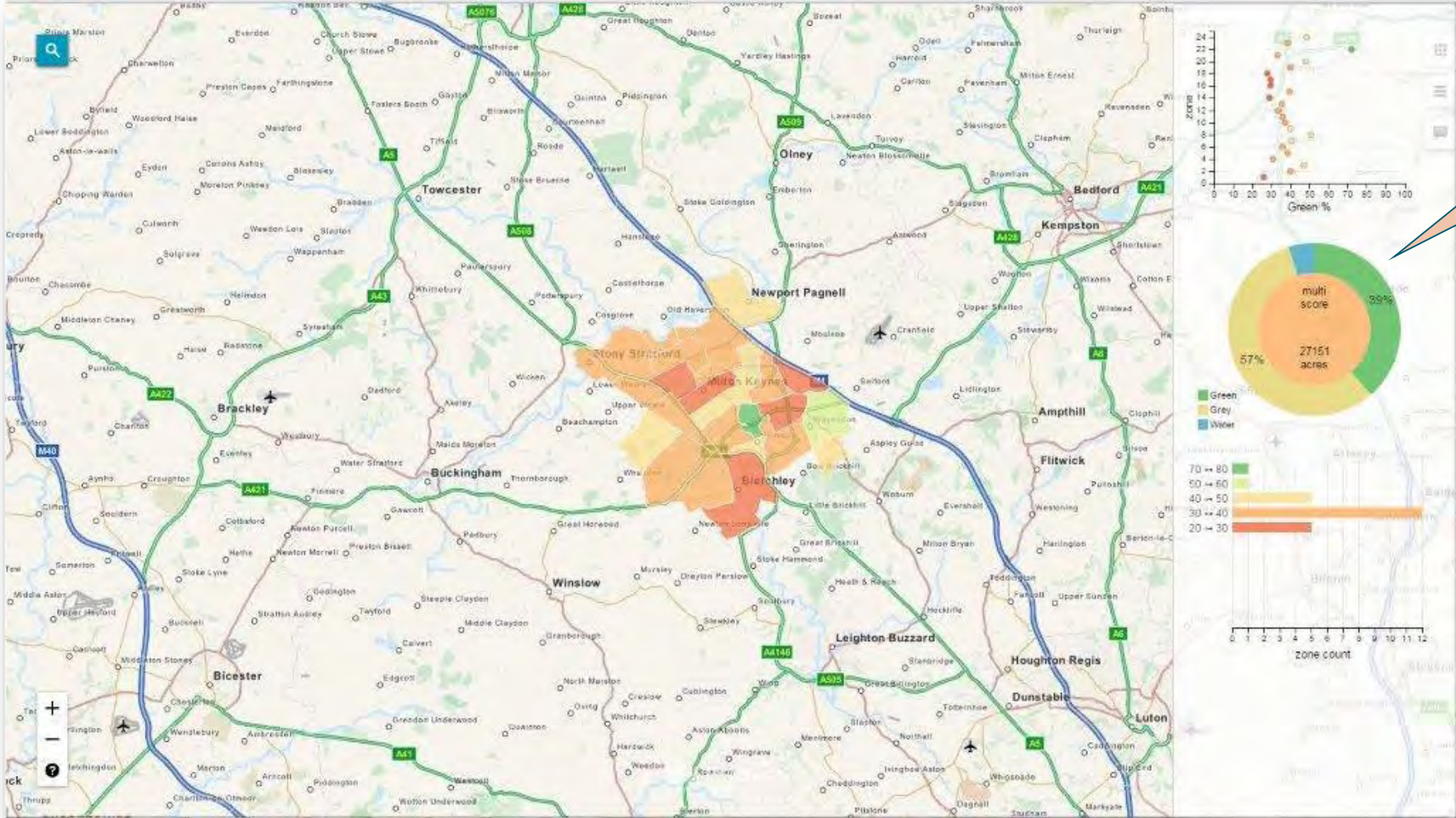
QUALIFY STATUS



COSTS BY PROJECT CATEGORY



# GeoVisualization



Bi widgets as configured for map view of Smart M.App



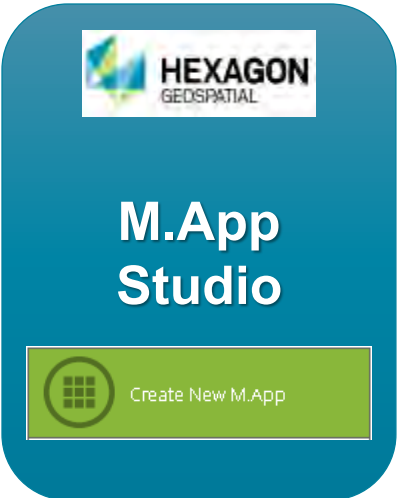


Reference

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# Green Space Analyzer



HEXAGON  
GEOSPATIAL

## M.App Studio

Create New M.App



GeoJSON

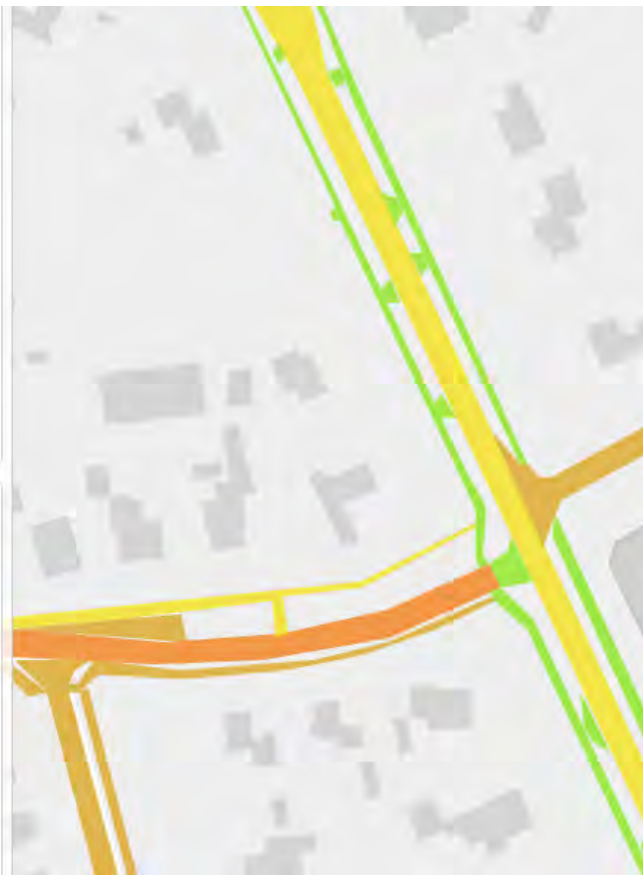
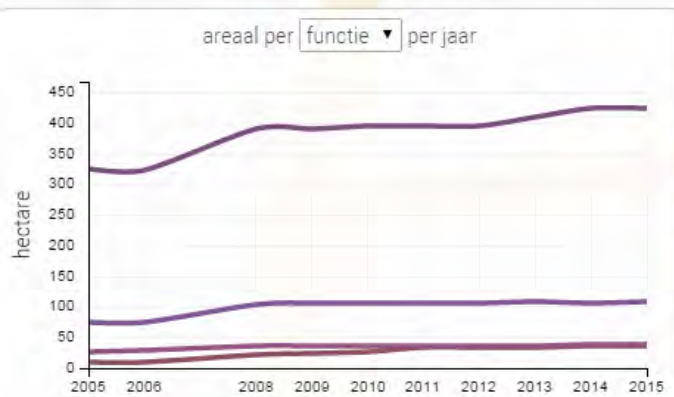
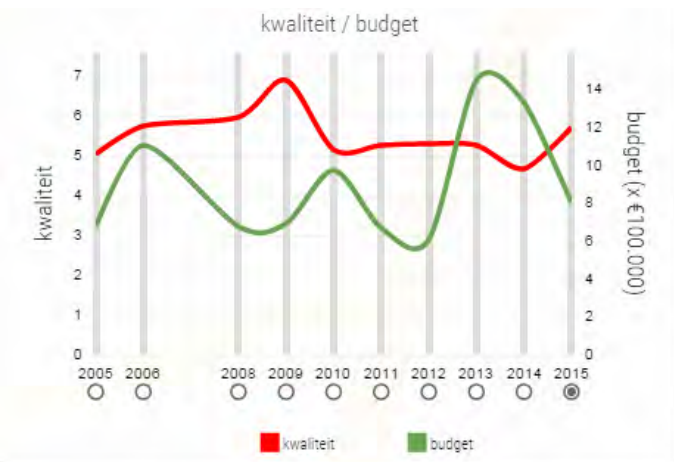
## Personal Data API





# Smart Cities – správa silniční sítě

## Dynamický monitoring (w/ IMAGEM, NL)



### CO?

- Identifikace trendů a vývoje kvality silniční sítě porovnáním aktuálních a historických dat

### KDO?

- Regionální politici
- Manažeři SÚS
- Posádky v terénu


### PROČ?

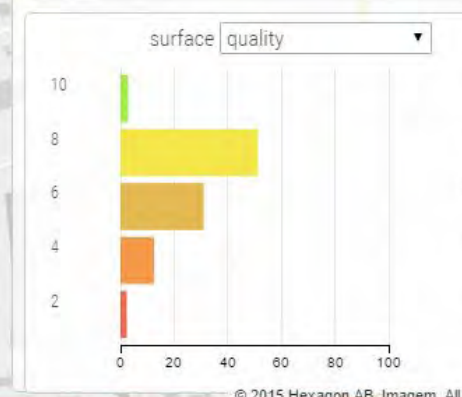
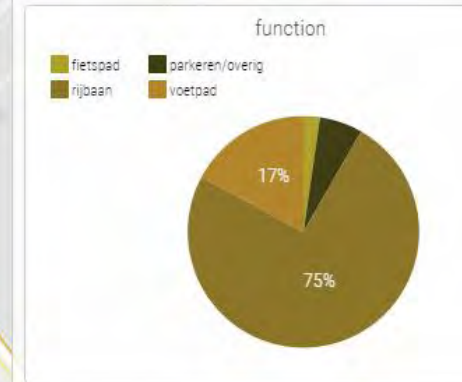
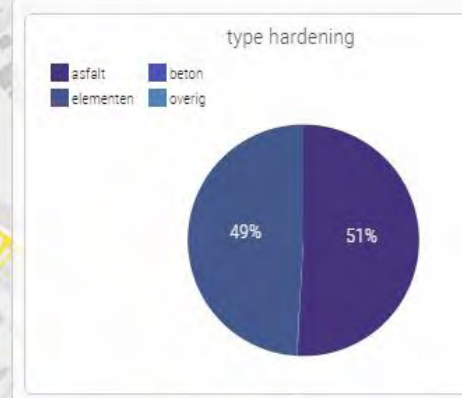
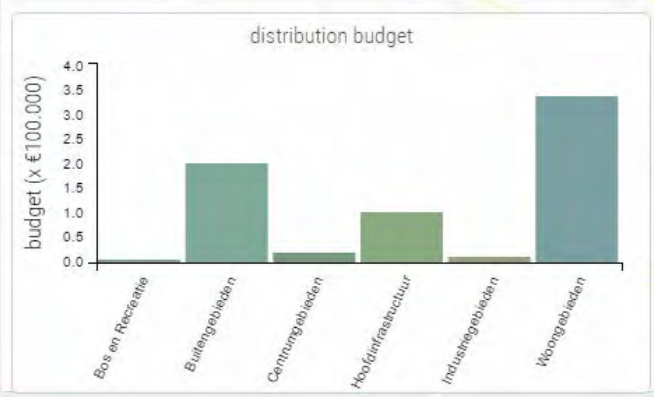
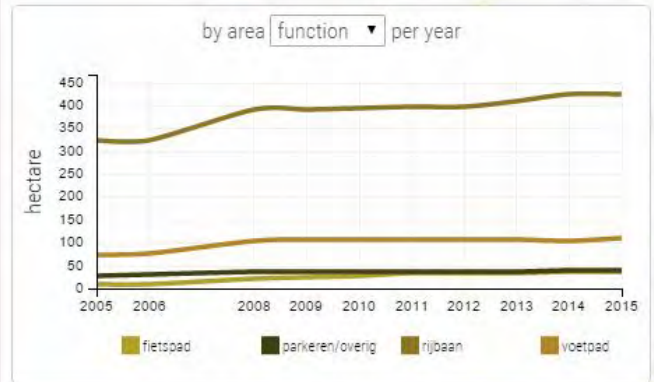
- Optimalizace investic do dopravní infrastruktury
- Bezpečnost dopravy

### KDY?

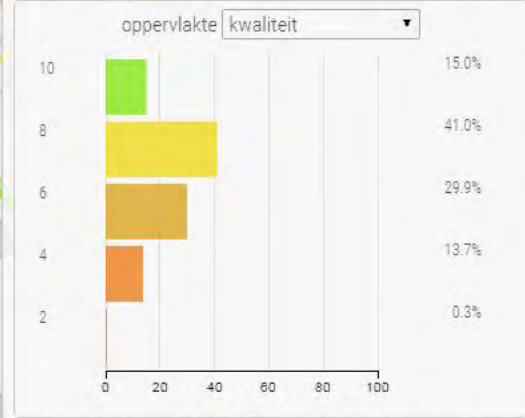
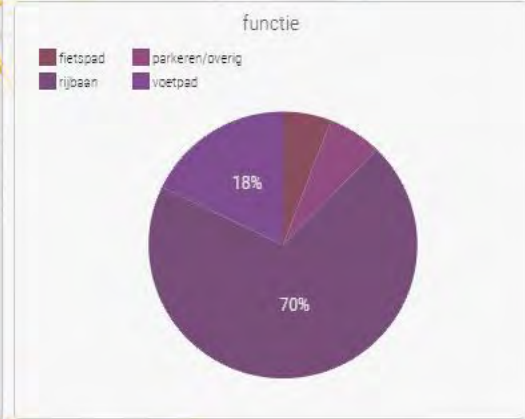
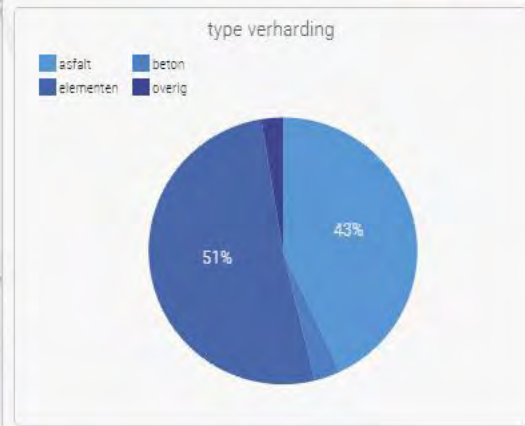
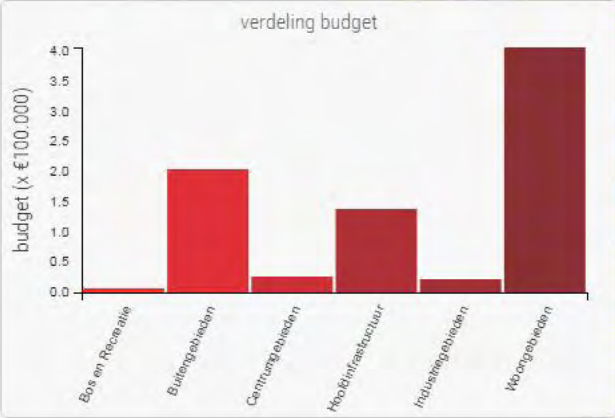
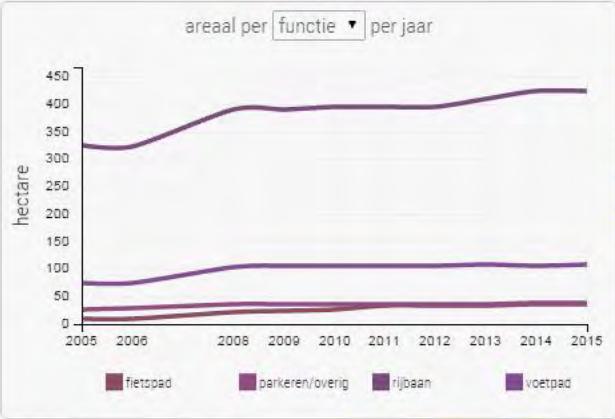
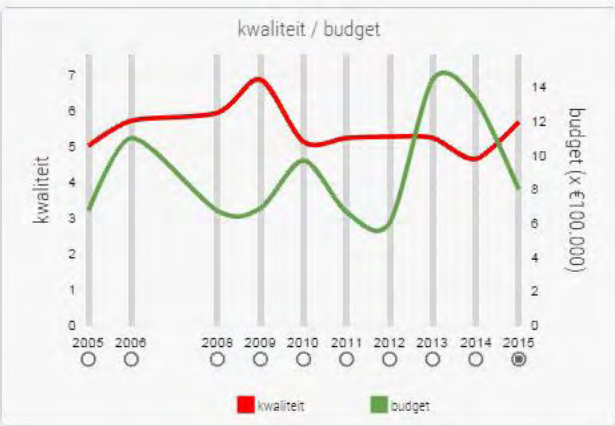
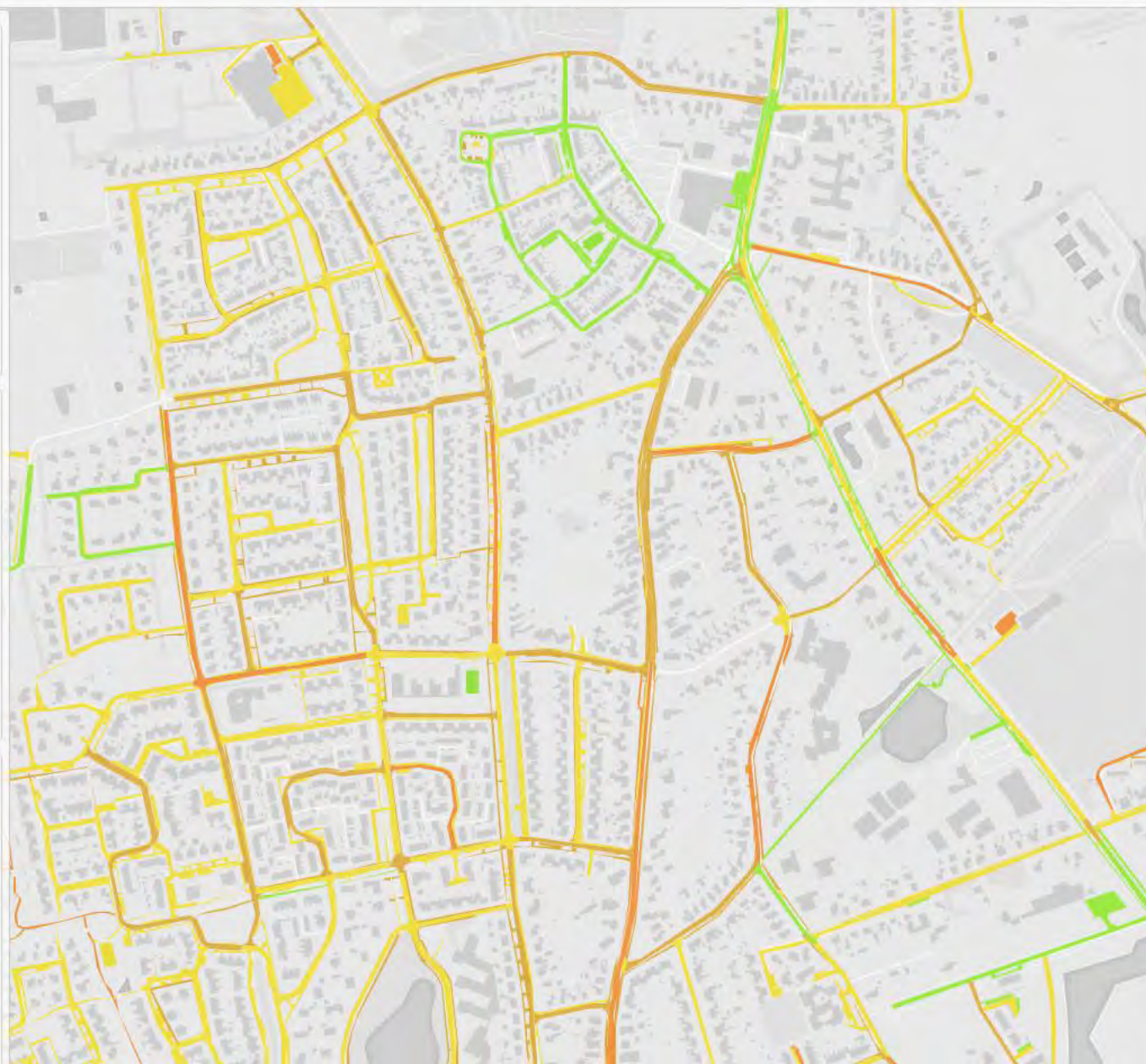
- Roční správy
- Průběžná údržba



Dynamic Monitor for Smart City Road Knowledge  




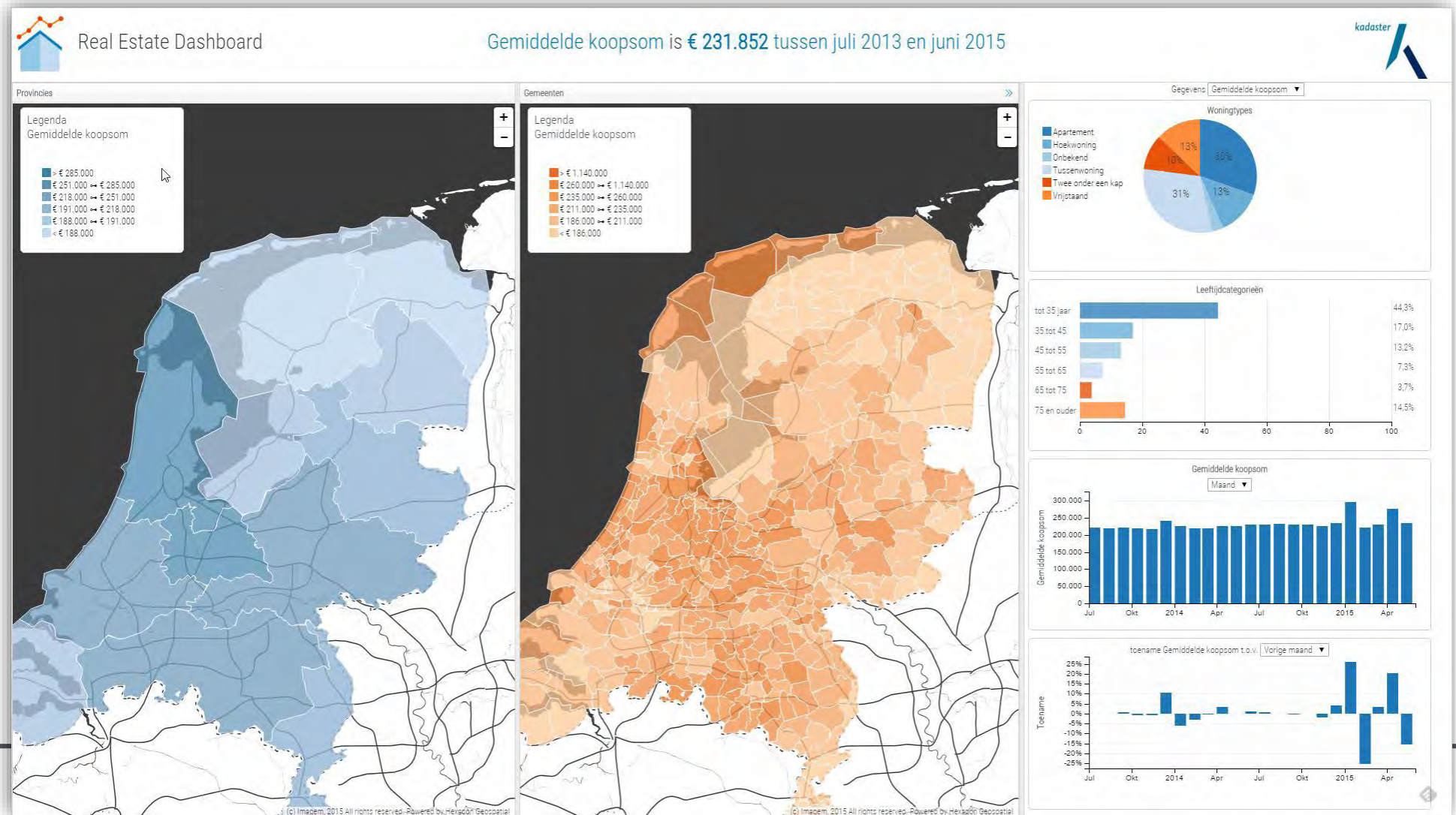
The quality is 5.0 in 2005 with an area of 435.363 m<sup>2</sup>



De kwaliteit is 5.7 in 2015 (+21.75%) over 608,038 m<sup>2</sup> (+0.71%)

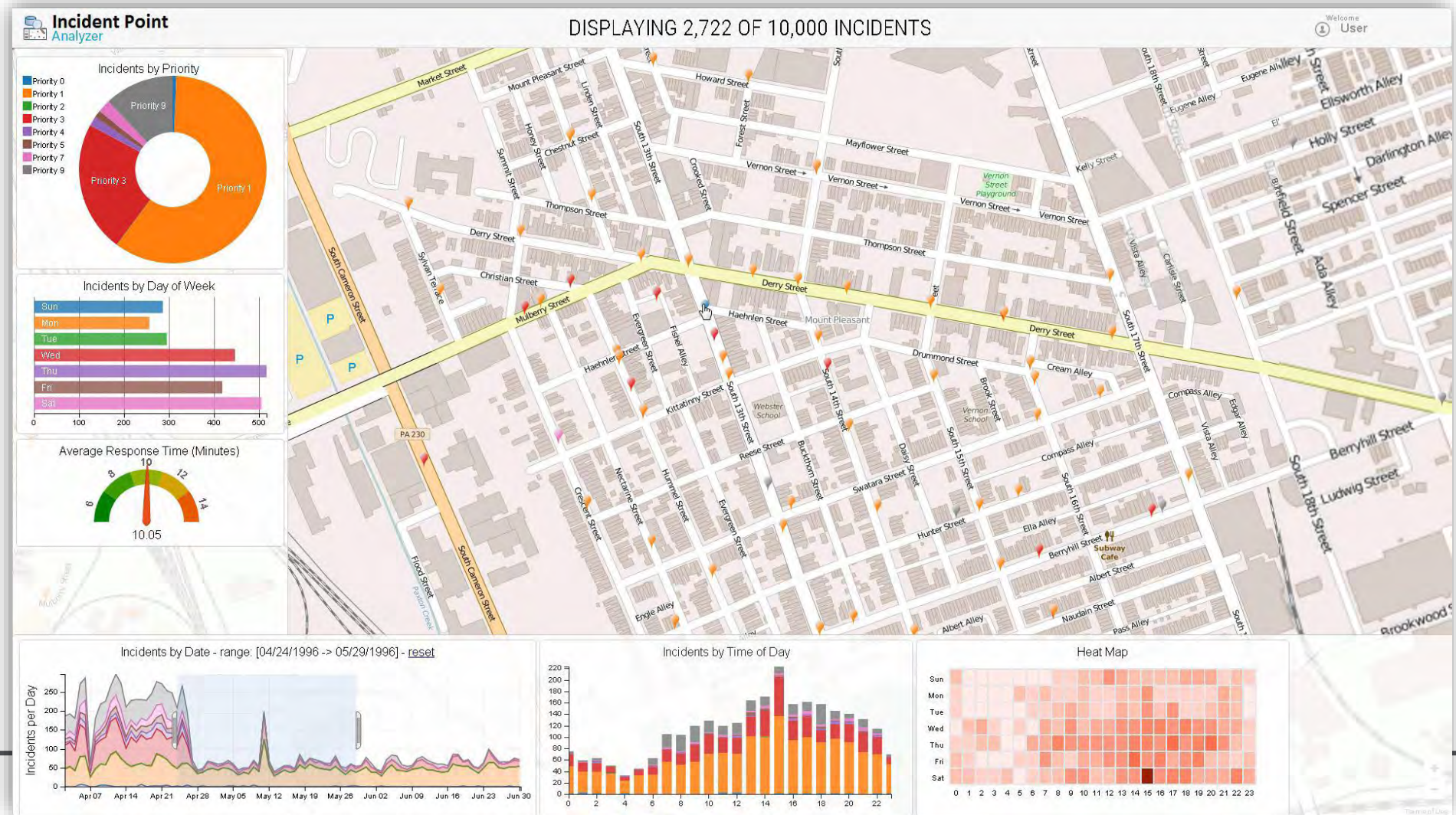
# Smart Cities – Správa majetku

## Cenové mapy (w/ IMAGEM, NL)

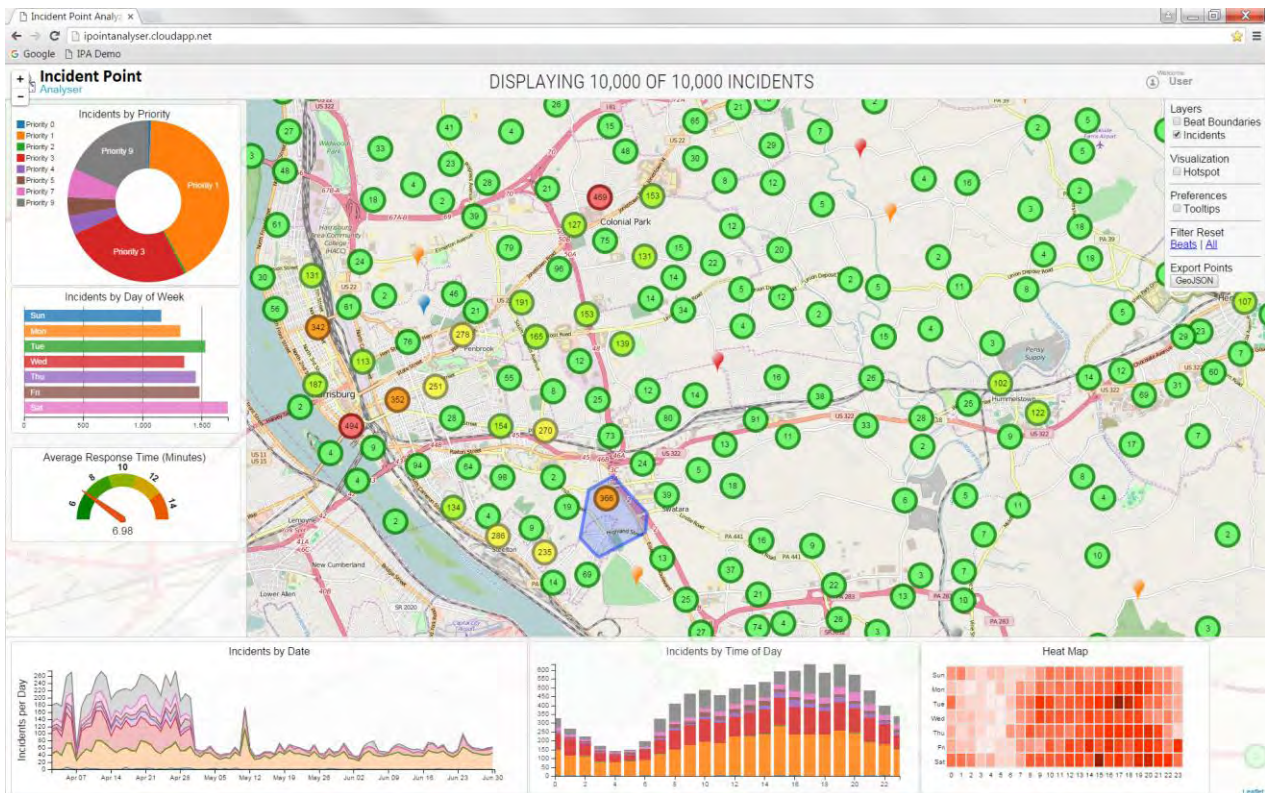


# Bezpečnost a krizové plánování

## Incident Point Analyzer (Hexagon Geospatial App)



# Hexagon Incident Analyst



10000 událostí během 3 měsíců.  
Tématické mapy  
Klastrování bodových prvků



Dynamické a intuitivní ovládání pomocí widgetů – filtrování, ovládání mapy.



