Kompas

Web GIS of Masaryk University

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https://maps.muni.cz/kompas

Kompas: Current Scope

Publish geodata of Masaryk Univesity in the **web map**

- Buildings, floors, rooms, doors, …

- Land cover (grass, parking, …)

Make the geodata **accessible**

- Text search, Identify in the map, Favorites

Fast response time
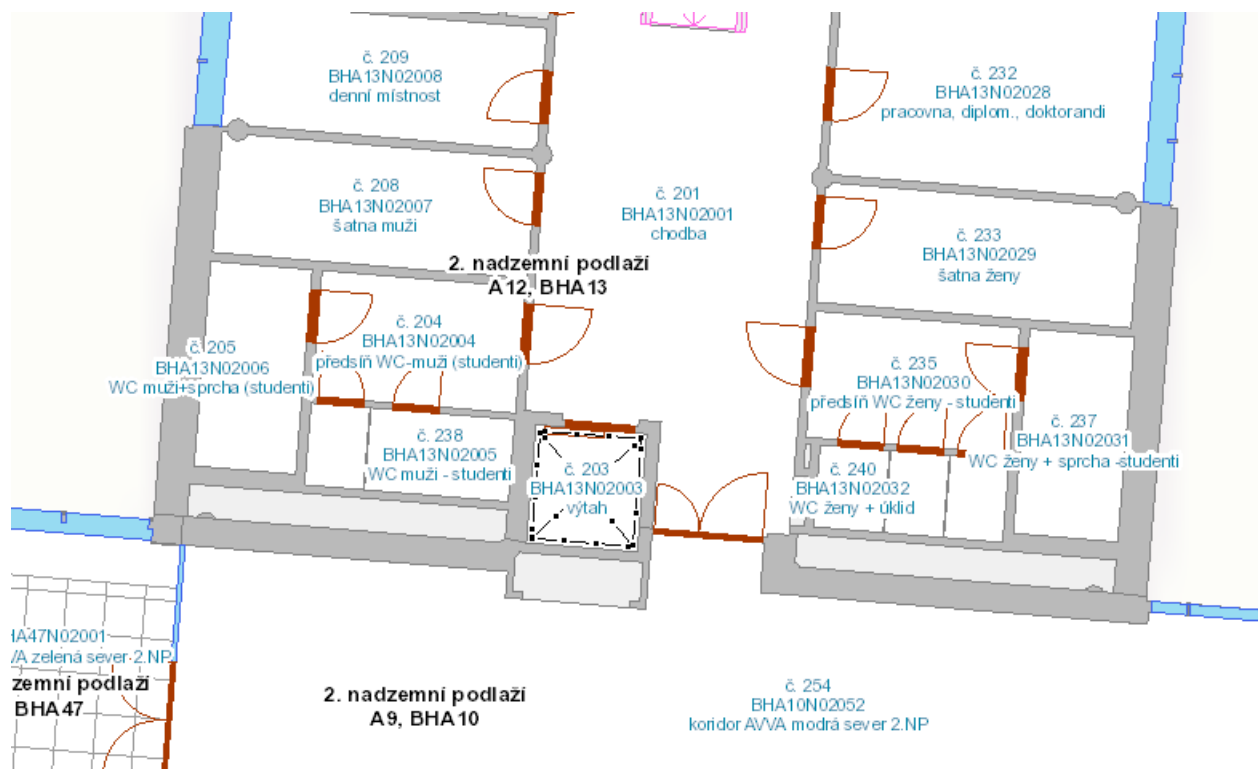
User Friendly Controls

Data in Kompas

More than 150,000 objects

Every object may have two pieces of information:

- **geometry**

- **attributes**

Icon	Object Type	Map Symbol	Attributes
	Organitional Unit	no	yes
	Locality	no	yes
	Building	▦	yes
	Floor	▢	yes
	Room	▢	yes
	Door	▪	yes
	Door opening	▢	no
	Window	▦	yes
	Wall	▪	no
	Stairs	—	no
	Elevator	•—•	no
	Dropped Ceiling	▢	no

Map: Inside Building

Map: Land Cover

Technical Background
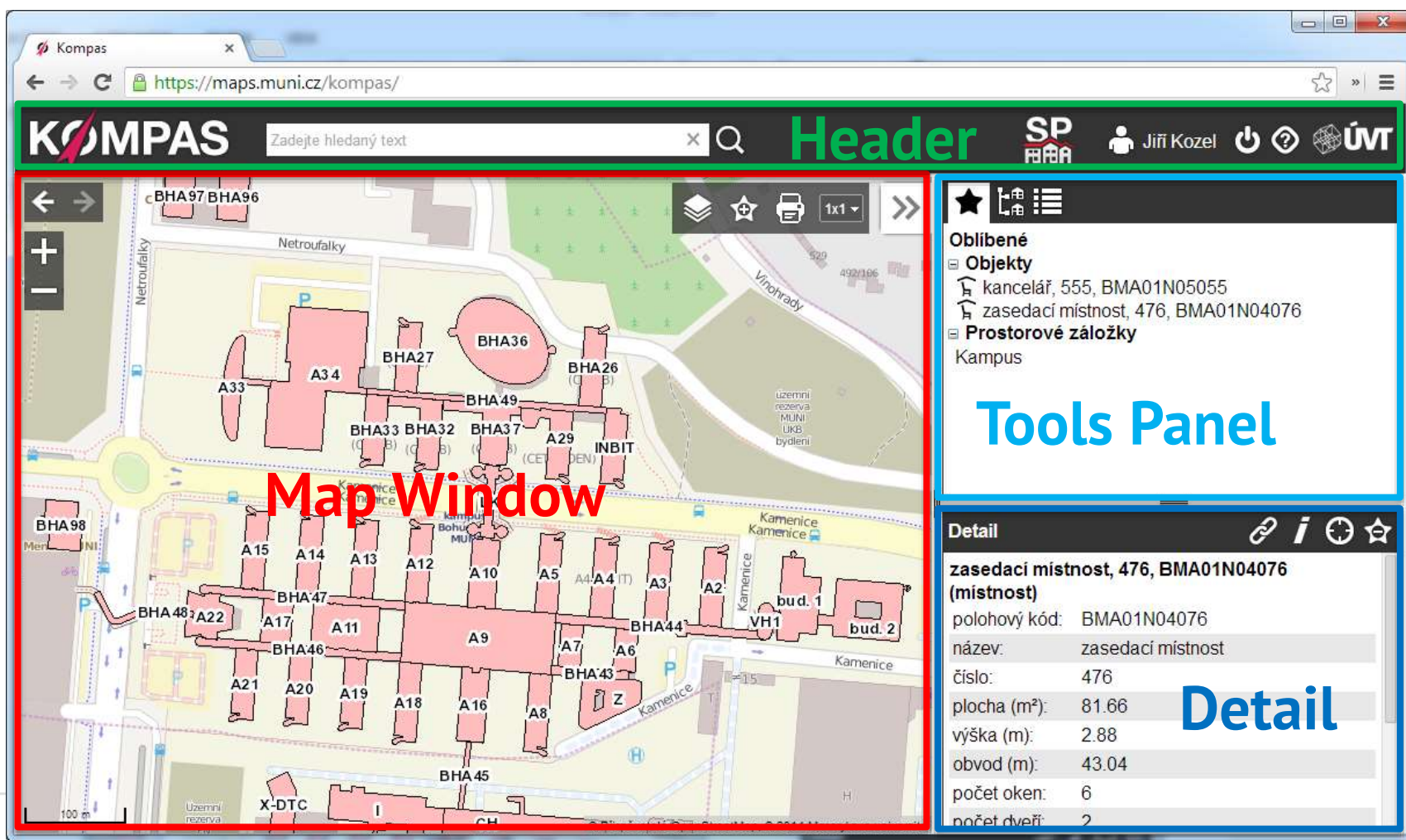
Server

- **ArcGIS REST**
- **ASP.NET, C#**

Client

- **HTML, CSS, SVG, JavaScript**
- **OpenLayers**
- **Google Closure**

▪ User Interface

Kompas: Future

Navigation

– **Find way from one room to another**

Technological passport data

– **Electricity, water network, ventilation, heating, …**

Access Rights

– **Per-attribute access control**

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