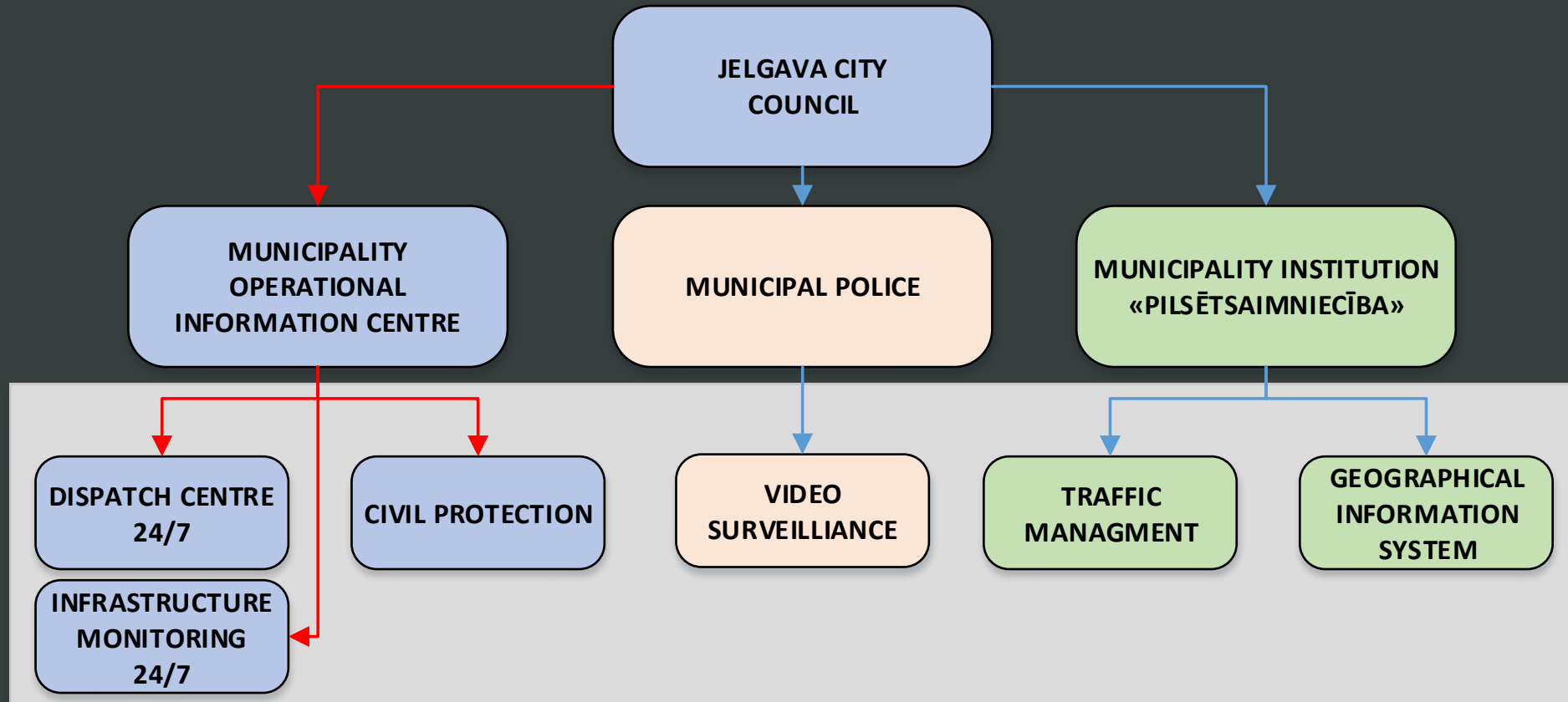Smart City Solution

FLOOD RISK MANAGEMENT: JELGAVA CITY EXAMPLE

GINTS REINSONS

HEAD OF JELGAVA CITY MUNICIPALITY
OPERATIVE INFORMATION CENTRE

E-MAIL: GINTS.REINSONS@POIC.JELGAVA.LV

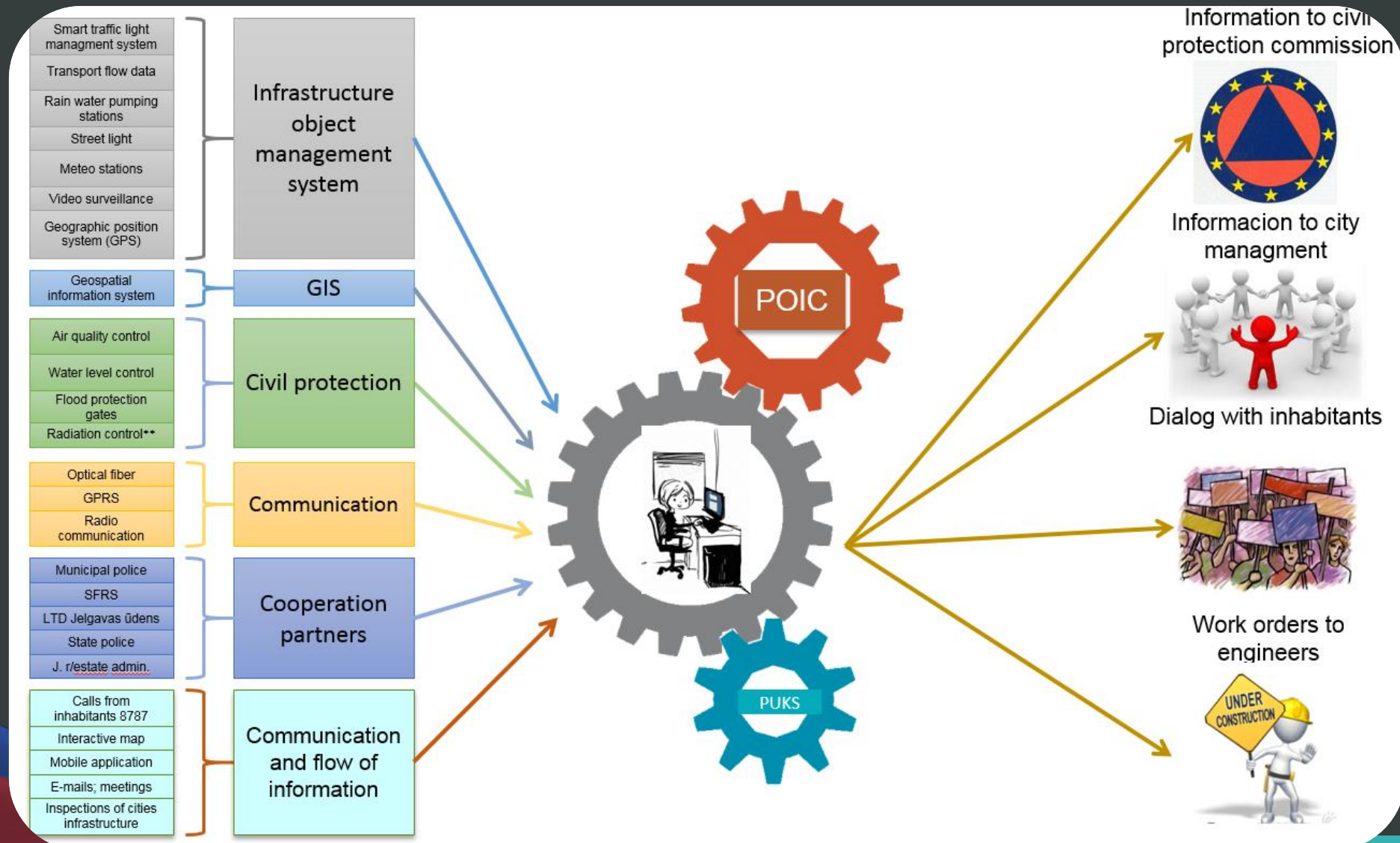# Jelgava City Municipality Operational Information Center competence

Jelgava City Municipality Operational Information Center main functions

- Jelgava city inhabitant complain and suggestion reception for 24/7

- Nonstop monitoring of different kind of infrastructural object monitoring systems for 24/7 (street light; pumping stations; meteorological stations; intelligent traffic light management system; s.f.)

- Municipality infrastructure maintenance specialist and contractor daily work support and coordination. (night time; winter time)

- Public territory and object video surveillance.

- Civil protections plan data actualization process providing.

- Civil protection commission work aid by providing operative and qualitative information.
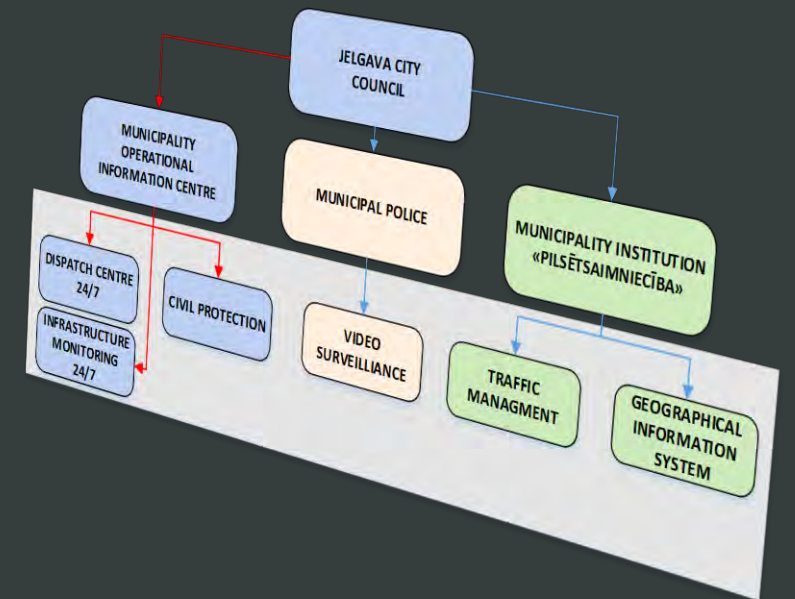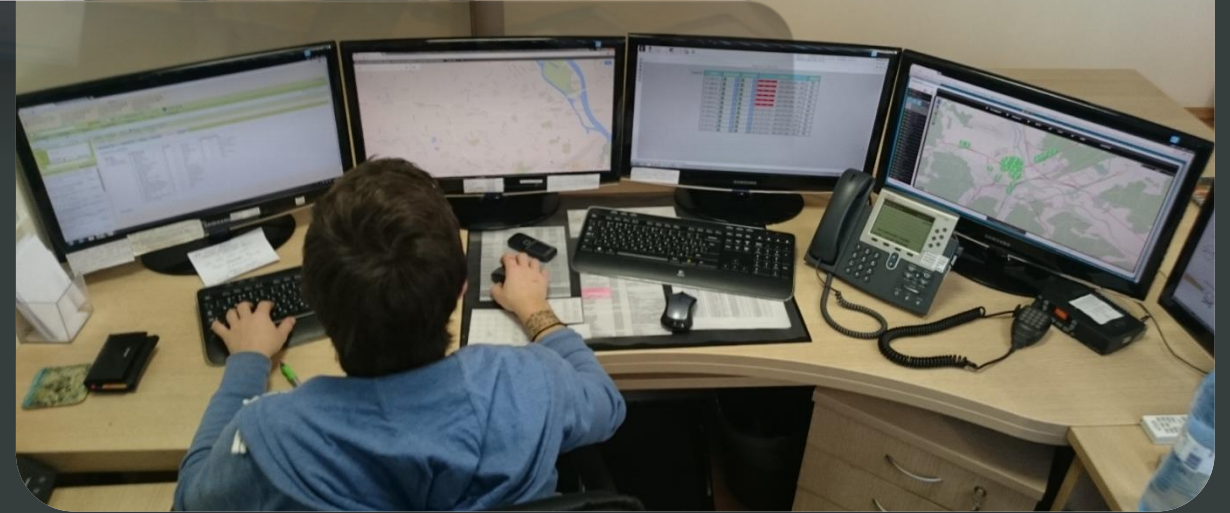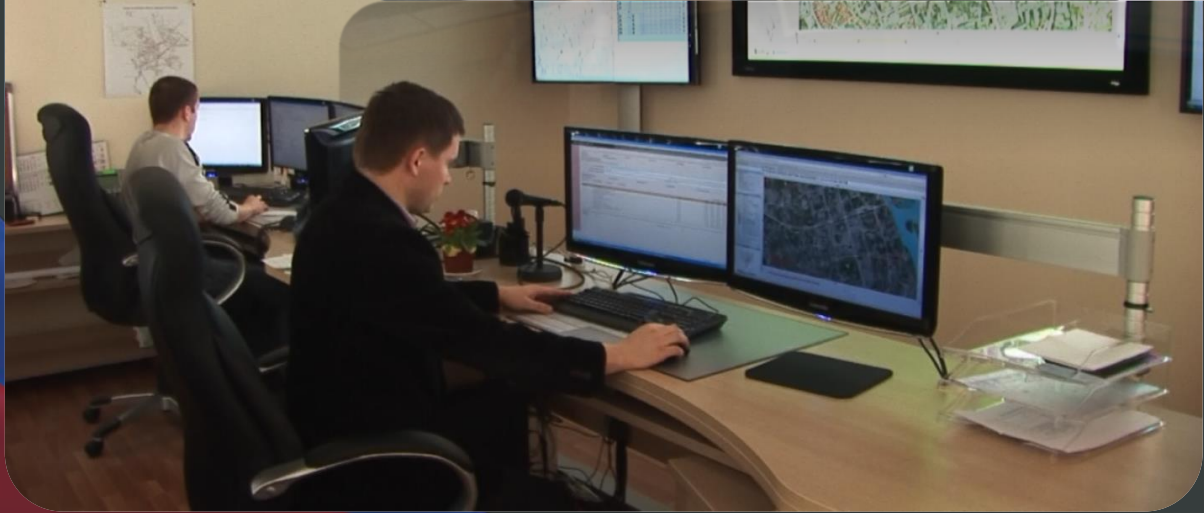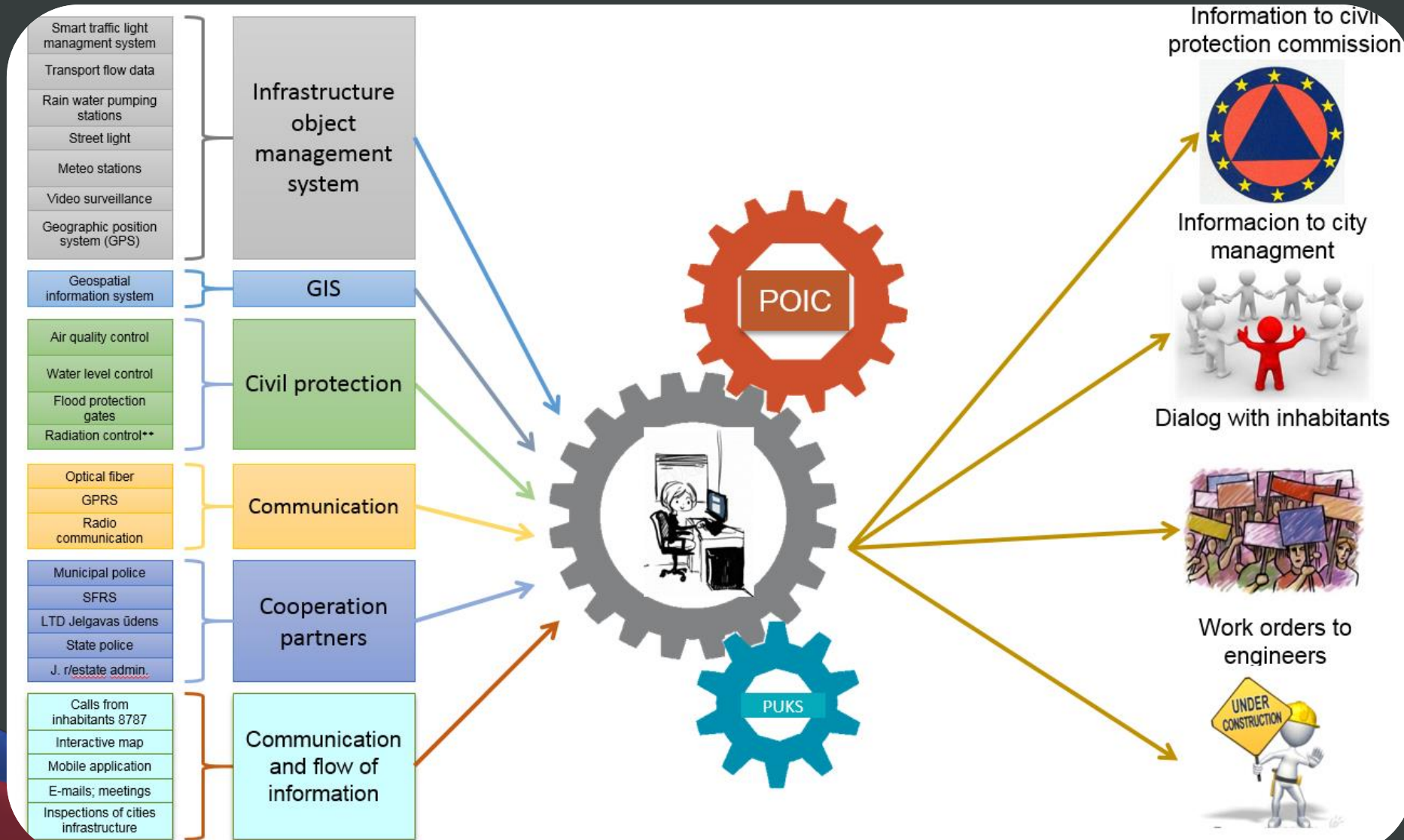
Information flow and its elements

Jelgava City Municipality Operative Information Center

At Work …

Information flow and its elements

Rain water sewerage

Meteo stations

Water Level Control, Flood Protection Gates
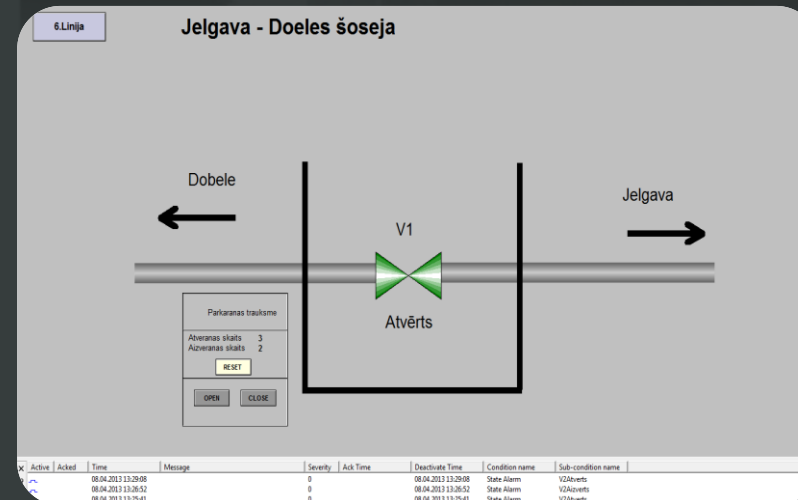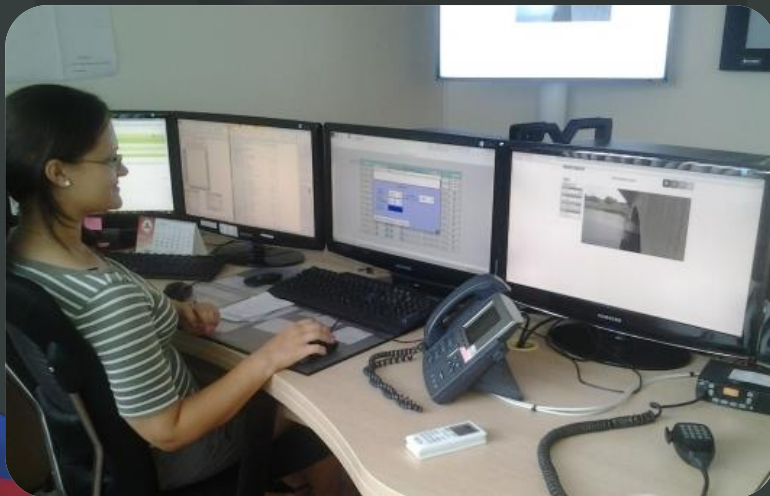
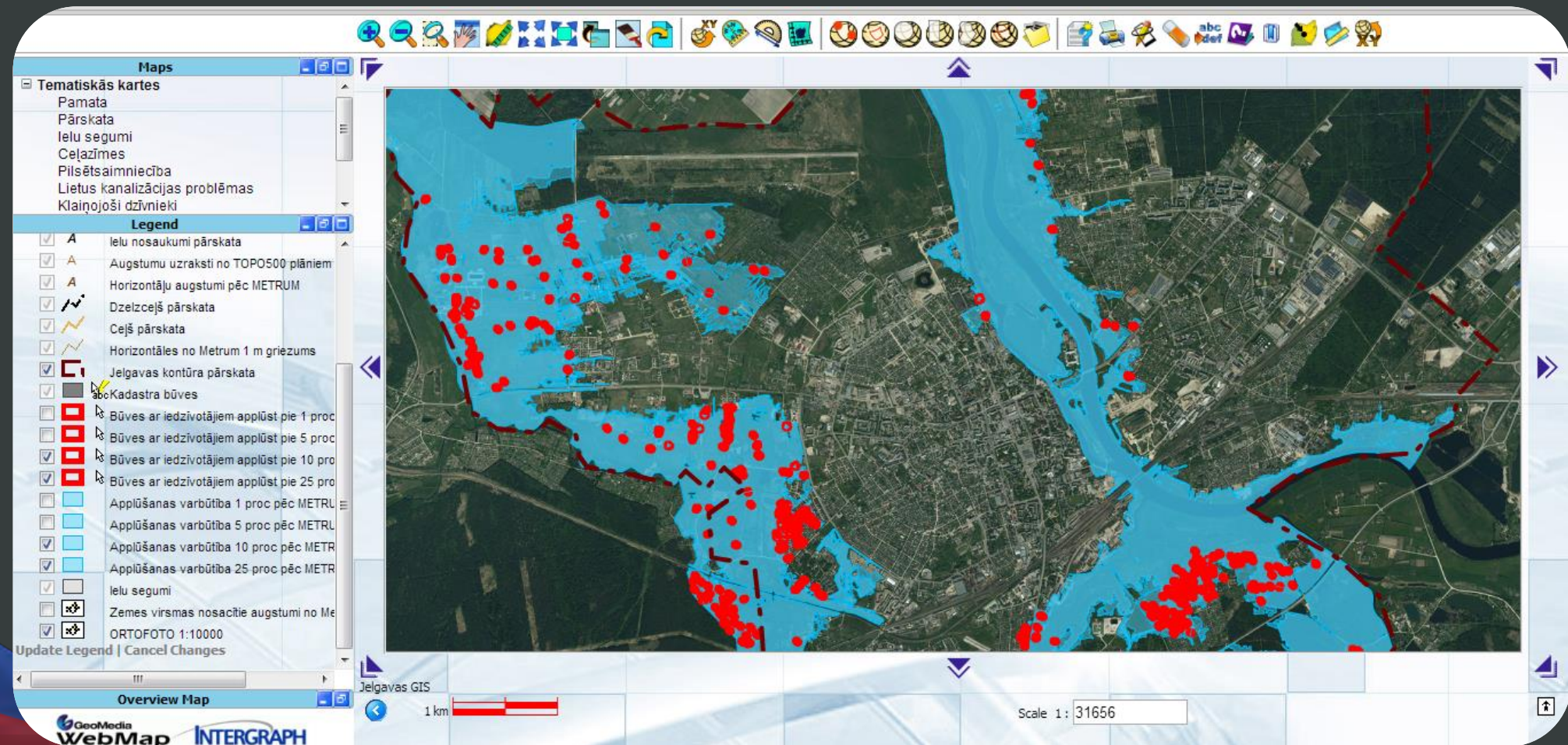# Crisis Management System

GIS Smart Client

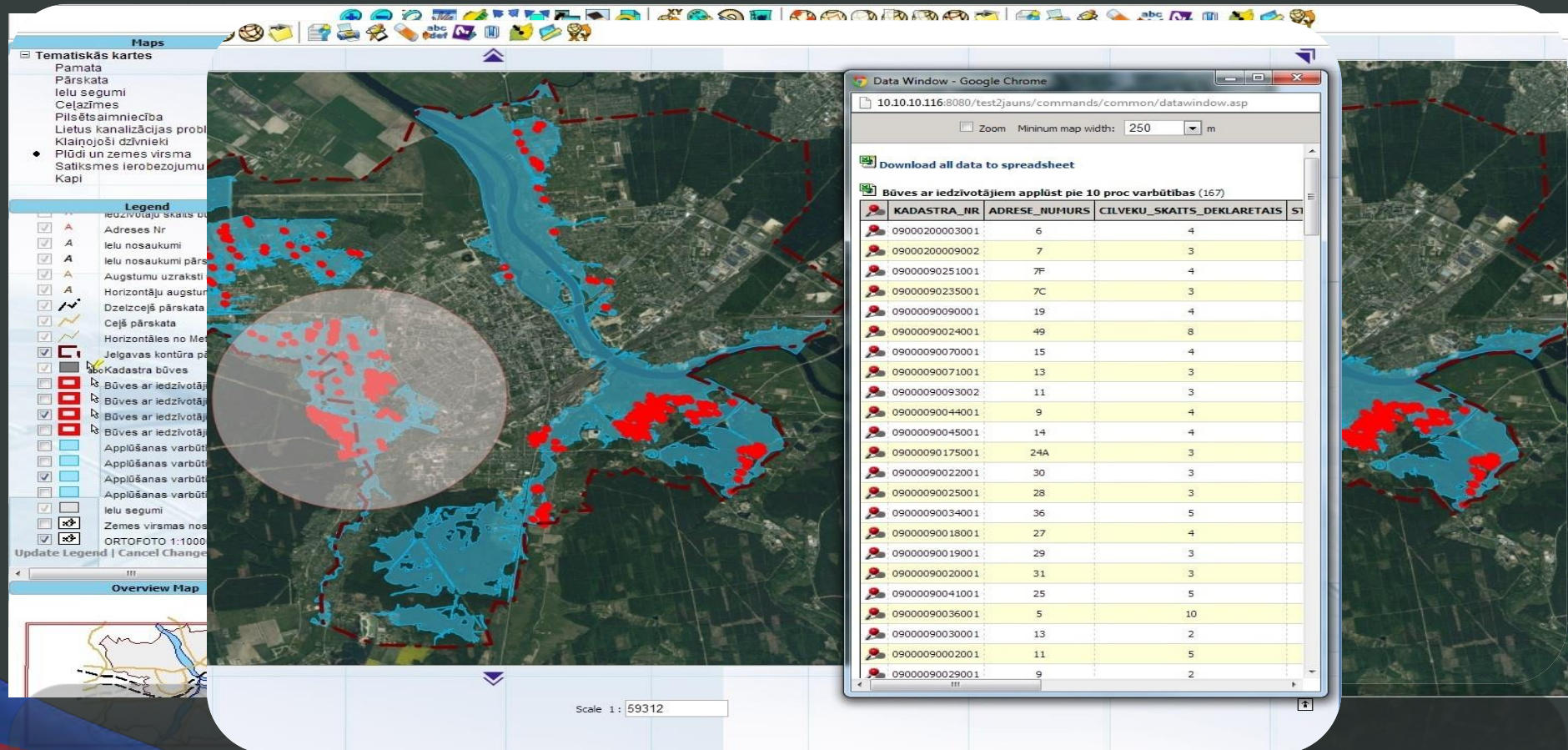# Jelgava city geographical information system (**GIS**) and Early warning system

GIS based early warning system – how it works

- The dispatcher initiate the specific GMSC workflow and choose one of fixed flooding levels or draw polygon

- System prepares data of all cadastral buildings and number of declared inhabitants in it and sends that data to system called « PUKS»

- System «PUKS» displays number of influenced buildings. After that it is possible to make 4 early warring actions.
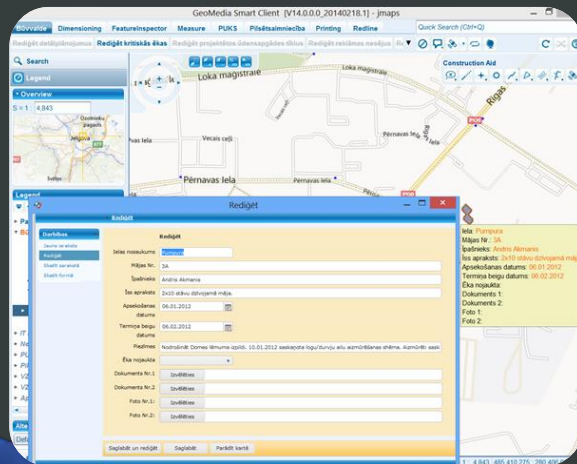
Jelgava city geographical information system (**GIS**) and Early warning system

Early Warning System

Thank You for Attention!