

CRISIS MANAGEMENT NATIONAL CENTER

MINISTRY OF EMERGENCY SITUATIONS OF ARMENIA

GIS instructor **Artur Sargsyan**





CRISIS MANAGEMENT NATIONAL CENTER

ՀՀ արտակարգ իրավիճակների
նախարարություն

AIMS AND OBJECTIVES

- ❖ **OPERATIVE SITUATION DAILY CONTROL**
- ❖ **INFORMATION FLOW MANAGEMENT**
- ❖ **SOCIETY NOTIFICATION IN THE FIELD OF ES**
- ❖ **CENTRALIZED AND UNINTERRUPTED MANAGEMENT**
- ❖ **INVOLVEMENT OF THE NEEDED FORCES AND MEASURES**
- ❖ **ORGANIZING THE MONITORING AND INVESTIGATION**
- ❖ **CONTROL OVER THE RESULT ABOLITION PROCESS AND INFORMATION ENSURENCE**
- ❖ **THE COORDINATION OF REGIONAL CMC**
- ❖ **STATISTICS AND ANALYSIS, MODELING AND FORECASTING OF POSSIBLE SITUATIONS**

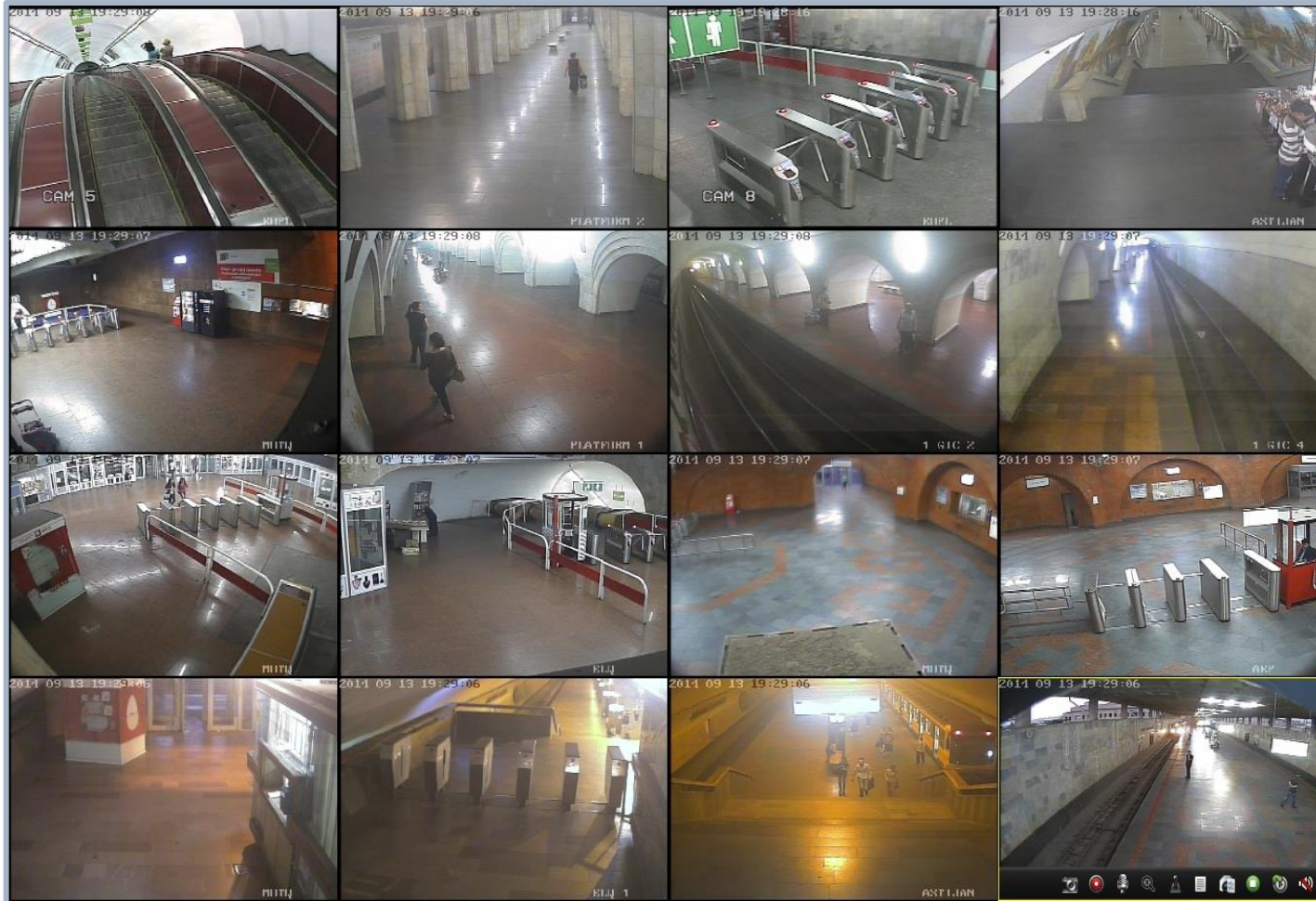
INFORMATION COLLECTION SOURCES

- ❖ INFORMATION COLLECTION IS ONE OF THE MAIN OBJECTIVES OF THE CENTER

POTENTIAL SOURCES OF OPERATIONAL INFORMATION:

- ❖ POPULATION - EMERGENCY CALLS TO 911
- ❖ ON-SCENE RESPONDERS - OPERATIONAL GROUPS OF NCMC (INFORMATION, FORCES, LOGISTICS)
- ❖ NATIONAL AND LOCAL GOVERNMENT, OPERATIONAL SERVICES, STRATEGIC ORGANIZATIONS, INTERNATIONAL COMMUNITY (EMBASSIES, INTERNATIONAL ORGANIZATIONS).
- ❖ NGO'S
- ❖ MEDIA
- ❖ GDACS, VOSOCC

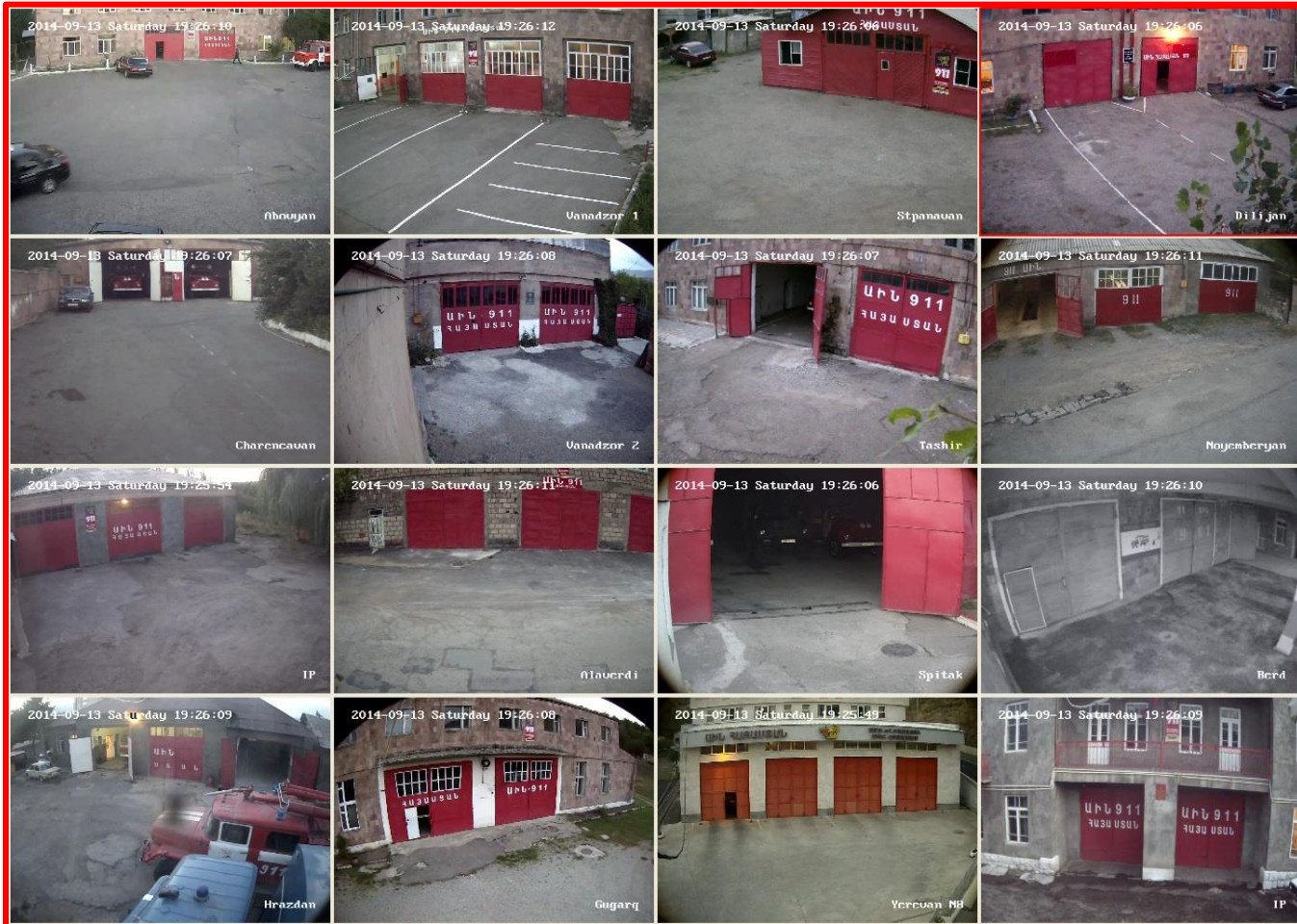
VIDEO CONTROL SYSTEM



UNDERGROUND VIDEO CONTROL SYSTEM IN THE MASSIVE CROWDED PLACES

- 10 STATIONS
- 200 MULTIFUNCTIONAL CAMERAS
- CONTROL OVER ALL PLATFORMS
- RECORDING

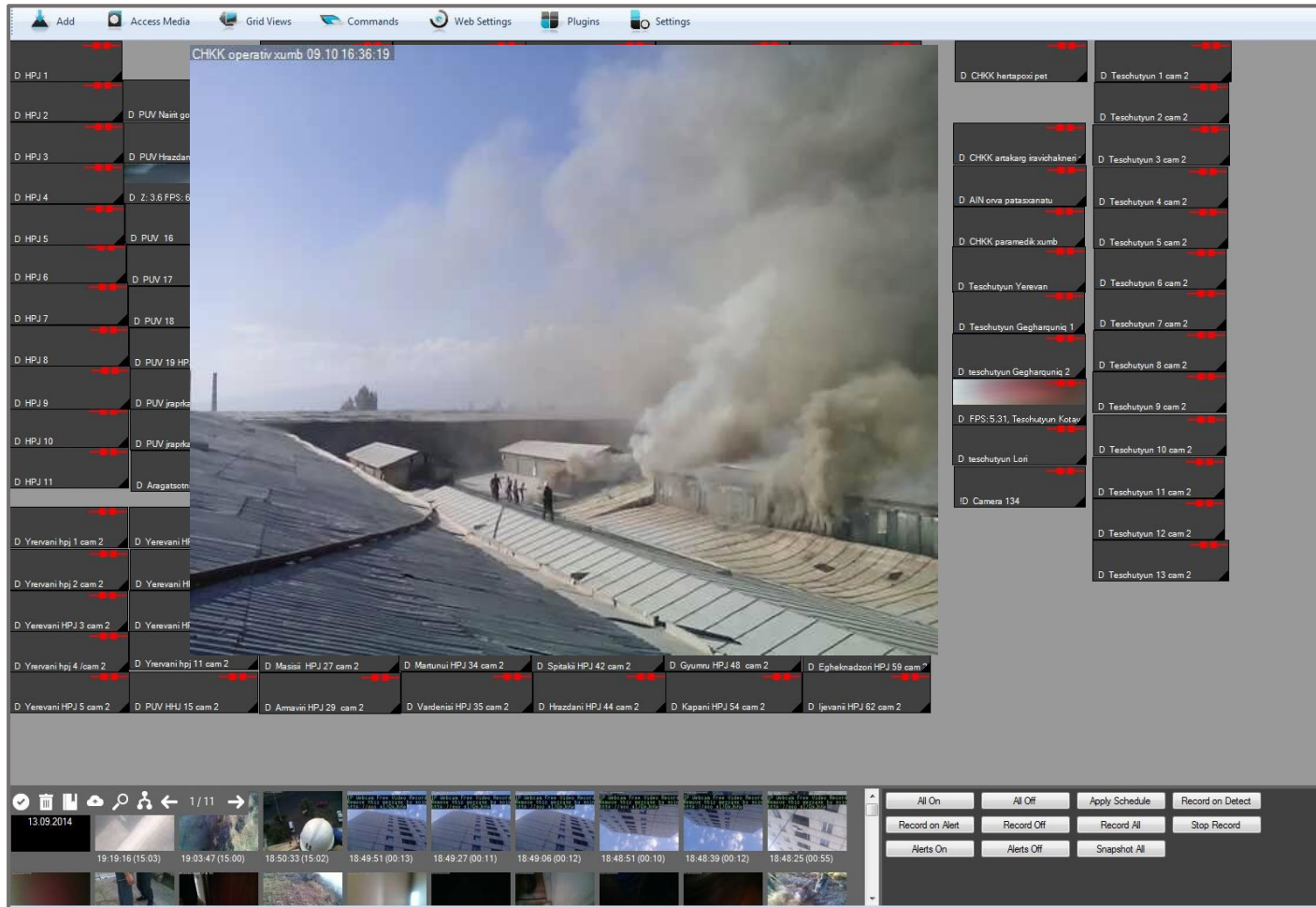
VIDEO CONTROL SYSTEM



MTAES ALL SUBDIVISIONS VIDEO CONTROL

- 24 HOUR CONTROL
- AUDIO CONNECTION
- RECORDING

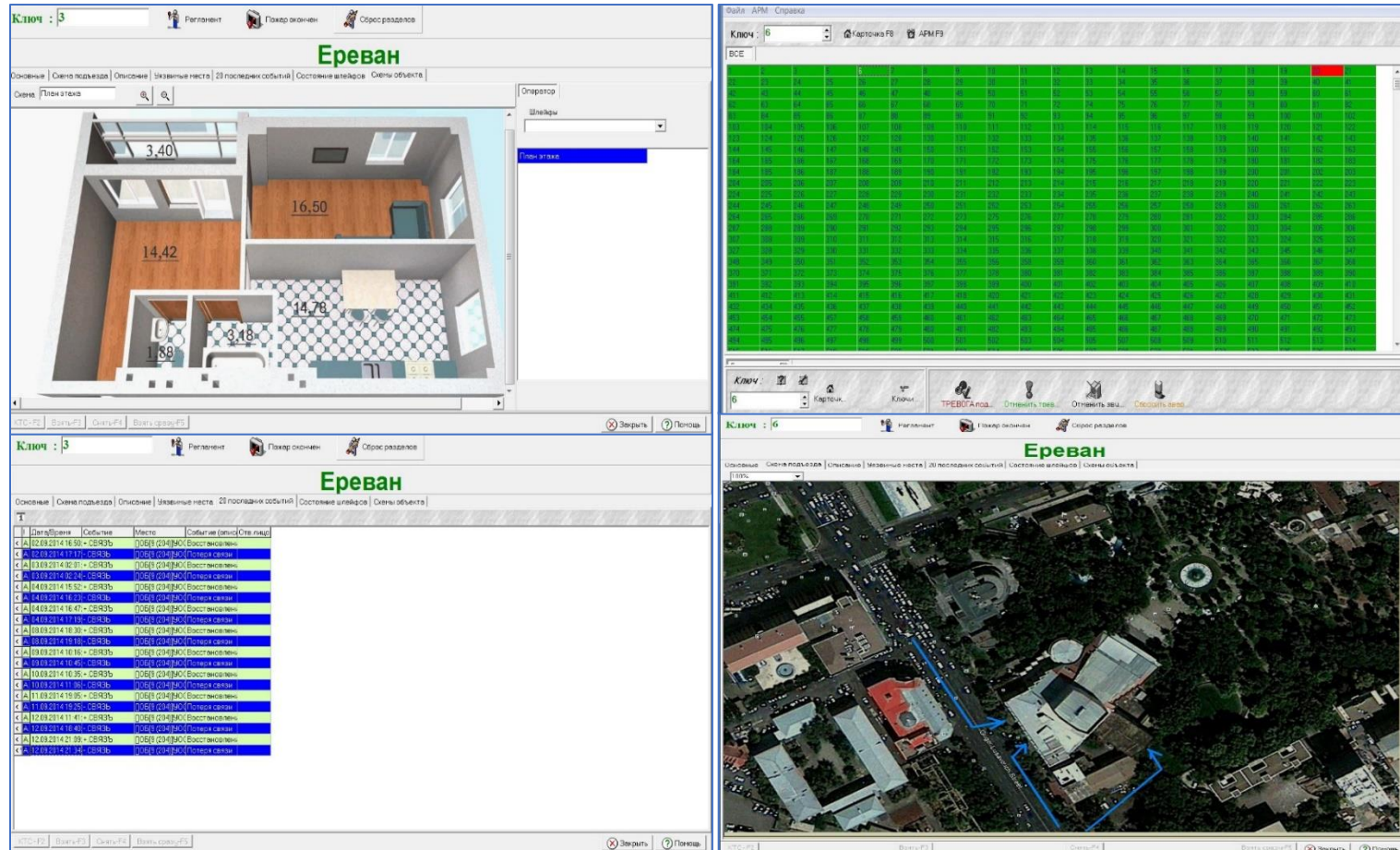
VIDEO CONTROL SYSTEM



CURRENT TIME VIDEO SHOOTING

- 10 REGIONS AND CAPITAL
- 80 SUBDIVISIONS
- 150 ONLINE STREAMING
- ARCHIVING AND DECODING

ANTI FIRE ALERT SYSTEM



“SOS SYSTEM AUTOMATIC ANTIFIRE CONTROL AND ALERT SYSTEM

- 1000 AND MORE OBJECTS
- ONLINE CONNECTION TO 911 AND NCMC
- 4 SECONDS ALERT
- MAP SUPPORT
- REFLECTION OF LAYOUTS
- 24 HOUR SERVICE

«GPS»

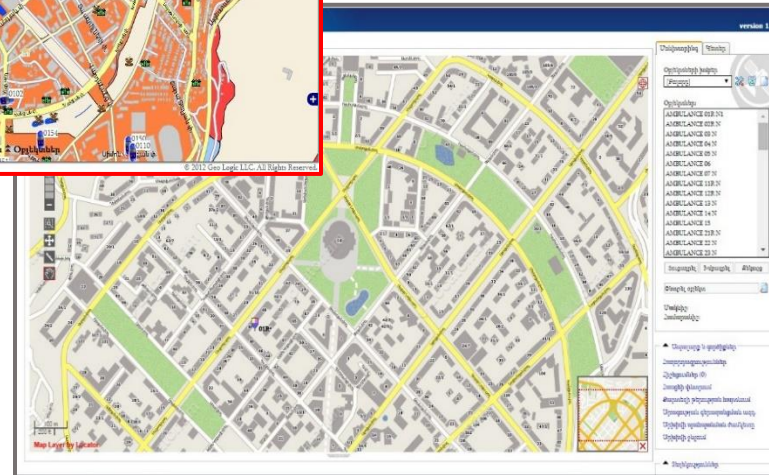
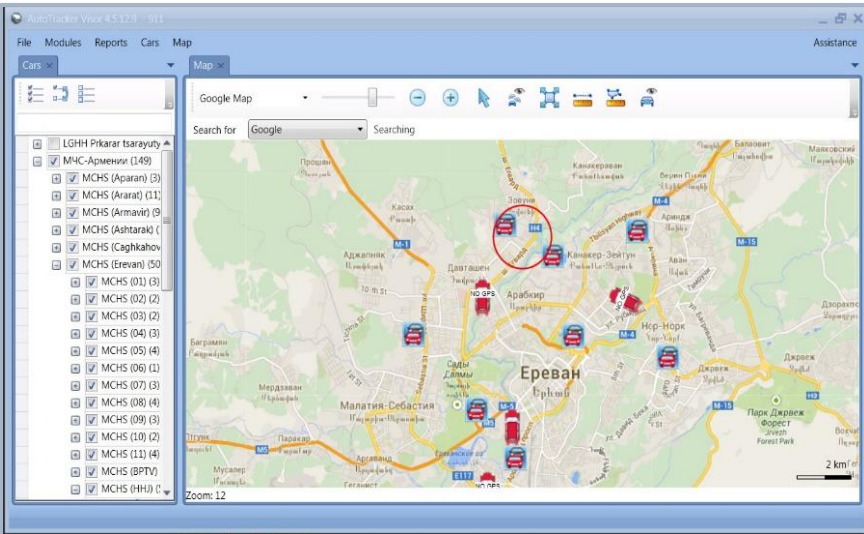
«911»



«102»



«103»



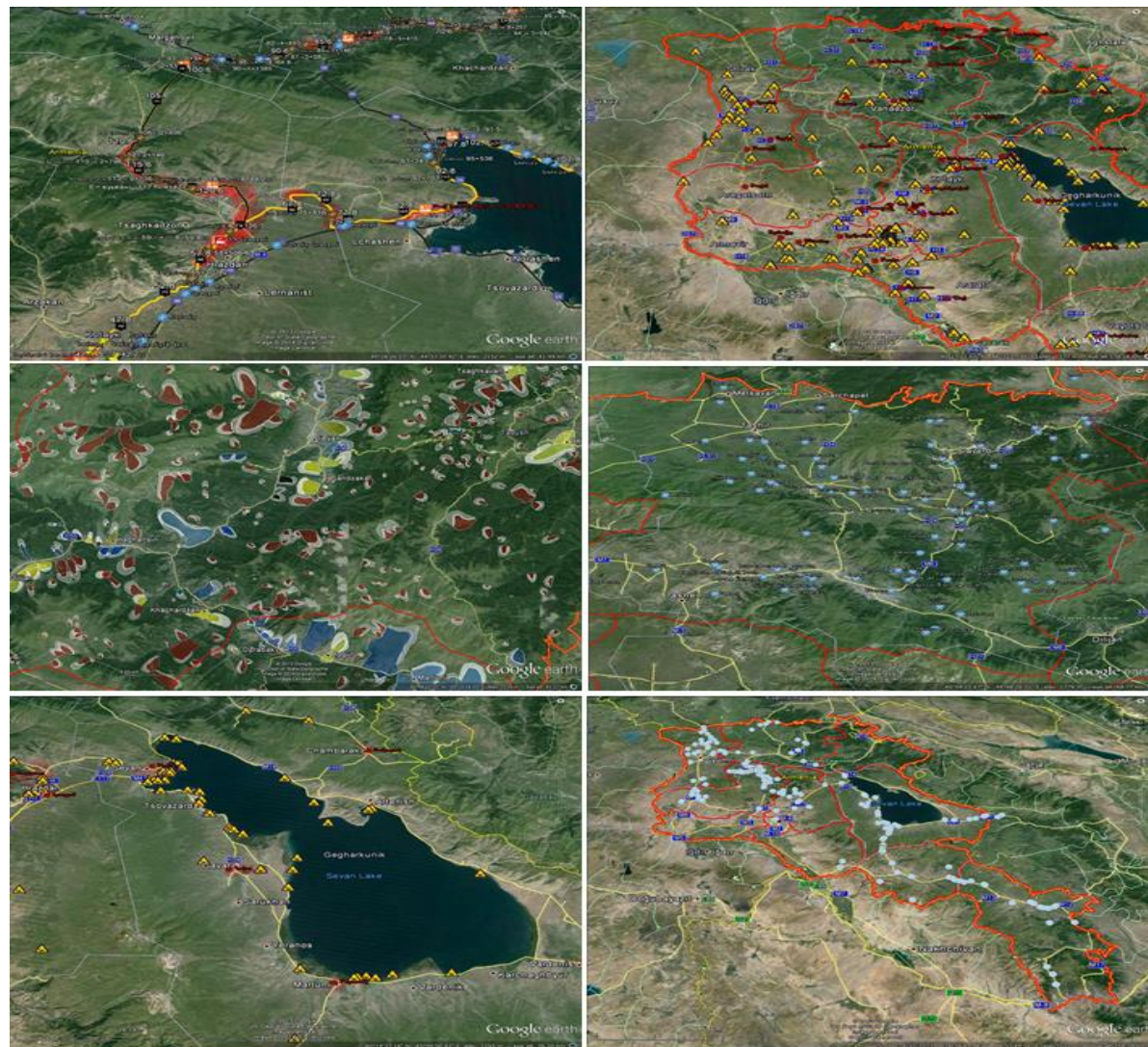
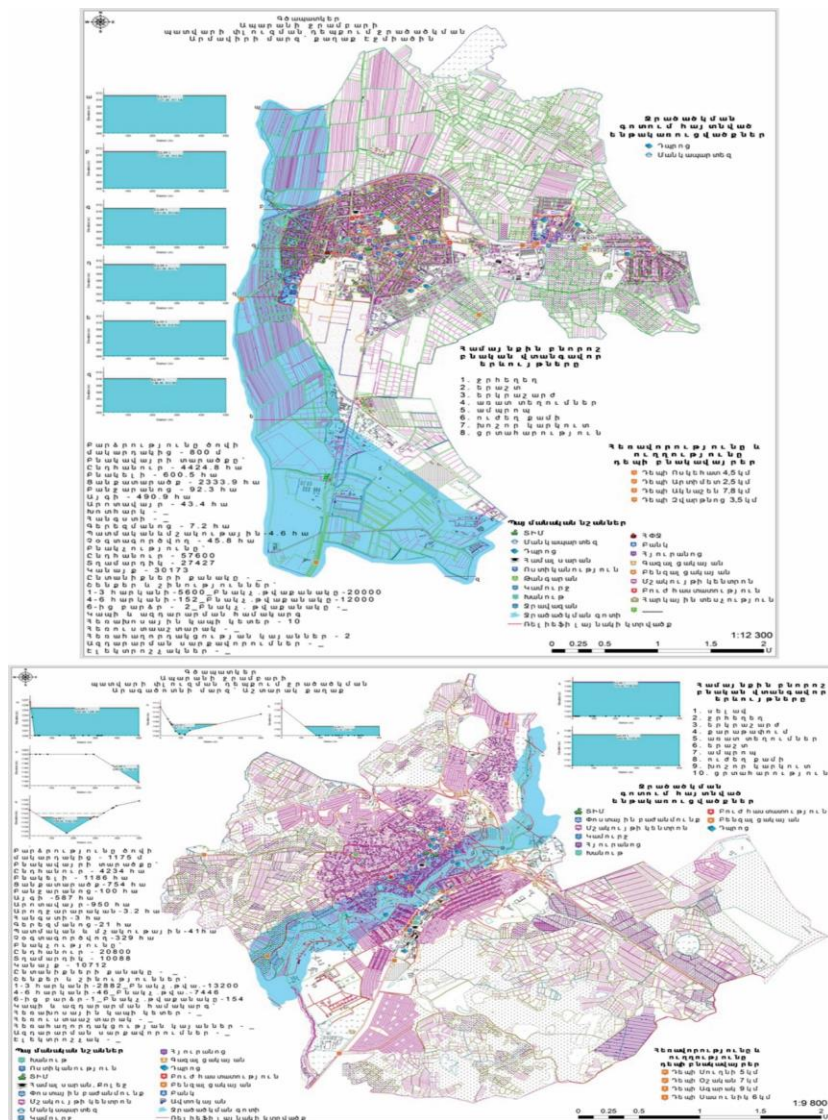
«GPS»

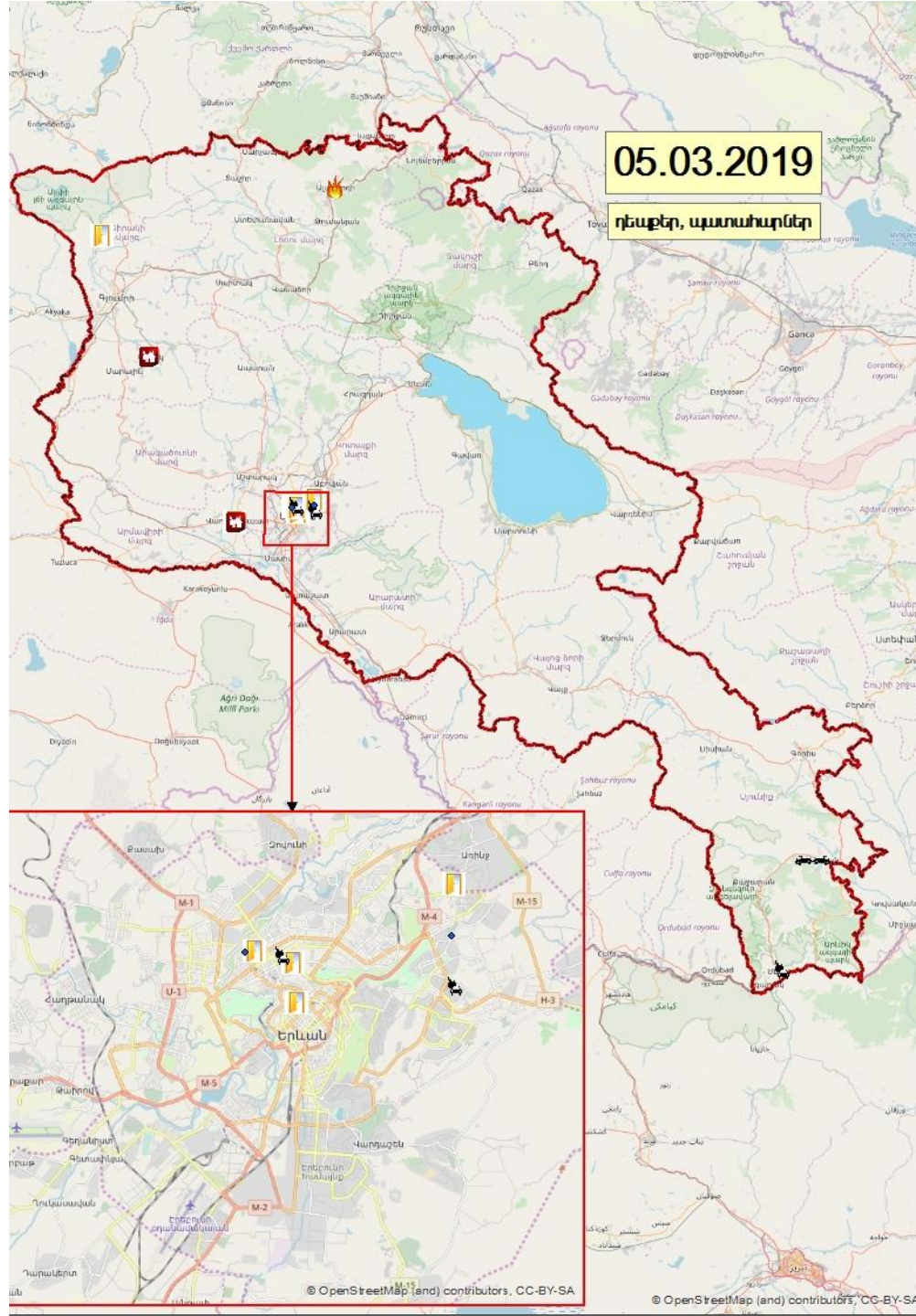
The screenshot displays a GPS tracking application interface. On the left is a dark sidebar with a menu containing: Hybrid Telematica, ID: #183836, Tracking (selected), Reports, Field service, and Fleet management. At the bottom of the sidebar are icons for Messages, Alerts, Devices and settings, and Help.

The main area shows a map of Yerevan, Armenia, with a brown track representing a vehicle's path. A pop-up window on the map provides details for a specific point: Time: Aug 14, 2020 07:53, Speed: 63 km / h, Mileage: 0.63 km, and coordinates 40.14870333, 44.48638167. A 'Tracks' panel on the left lists tracks for Aug 14 - Aug 14, with a selected track showing a start time of 07:51, distance of 4.73 km, and duration of 0 h 18 min.

At the bottom, a status bar shows the vehicle ID 321 VV 01 ISUZU 3.5տ ԴՓՁ 2 երևան (2), the date and time Aug 14, 2020 07:51, the location Ереван, Армения, 0039, and the current track details: 4.73 km, 16.00 km / h, and 0 h 18 min. The bottom right corner includes a search bar with the text 'Enter address or its part...' and a scale bar.

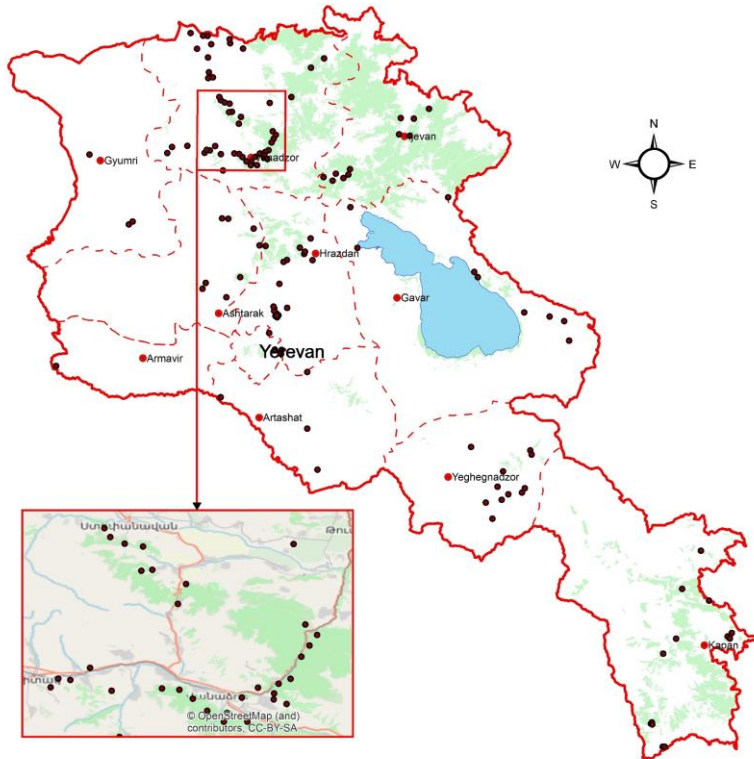
Monitoring and forecasting





- Closed door
 - Fire in the car
 - Fire in grassy areas
 - Fire in residential buildings
 - Help to the citizen
 - Accident - Collision
-
- Suicide
 - Poisonings
 - Blocks:
 - Natural hazards
 - Earthquake, landslide, collapse, avalanche, strong wind, flood, etc.
 - Wildlife attacks

FOREST FIRES (2011-2019)

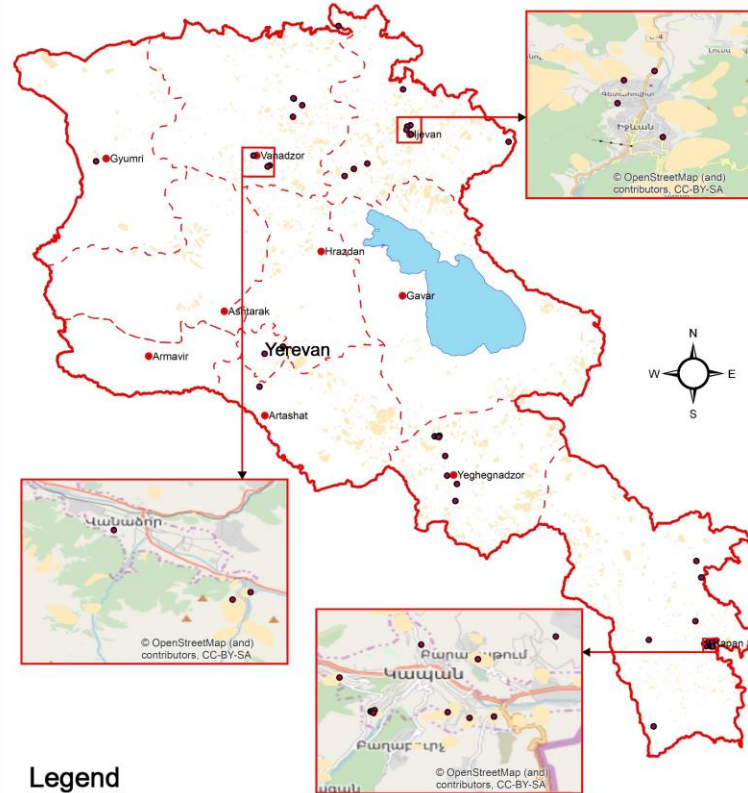


Legend

- Regional centers
- Fire places

0 20 40 80 km

LANDSLIDES (2011-2019)

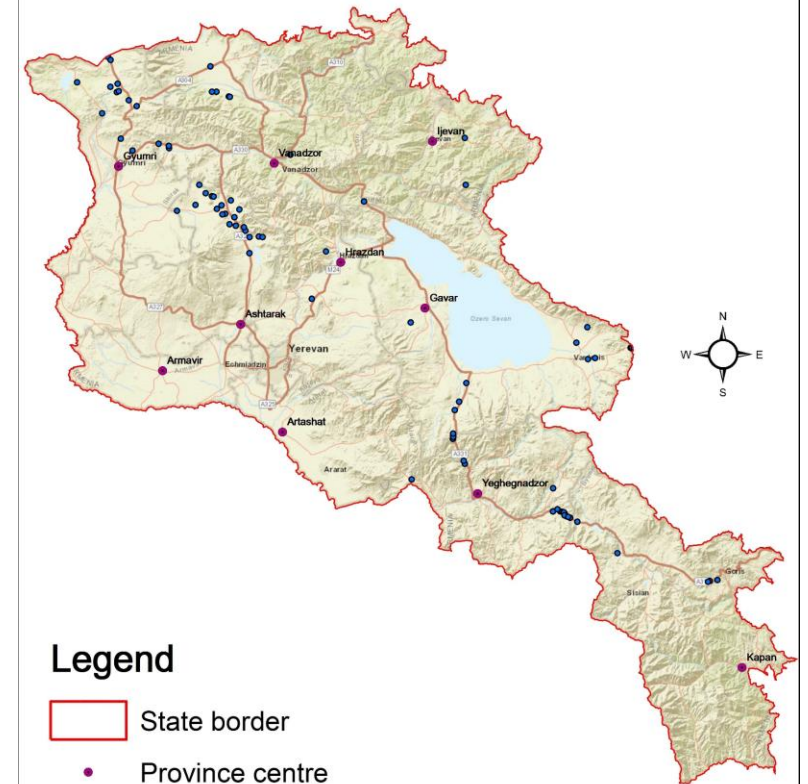


Legend

- Regional centers
- Landslides
- Landslides zones

0 20 40 80 km

SNOWSTORM POINTS OF RA (2015-2018)

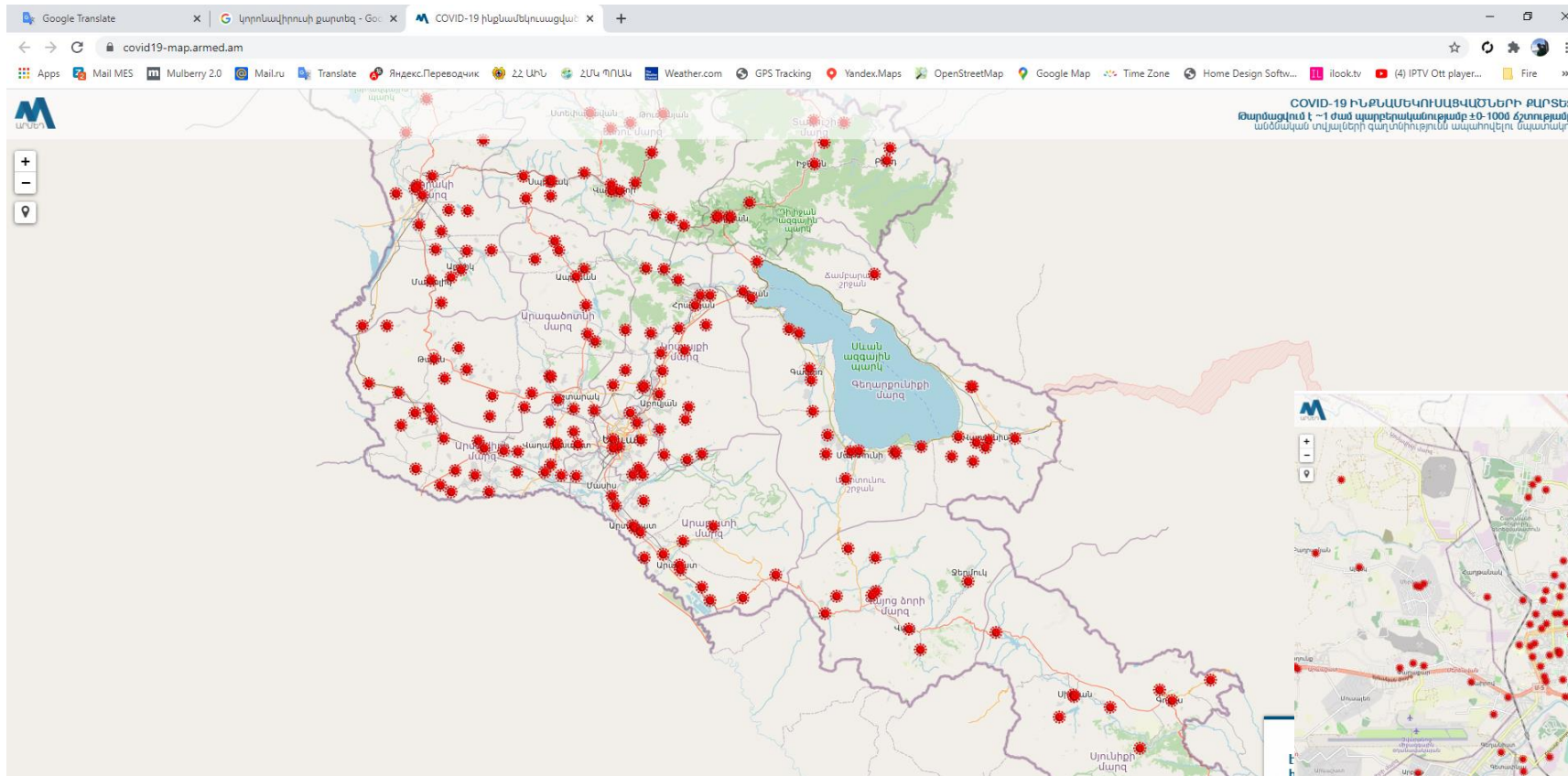


Legend

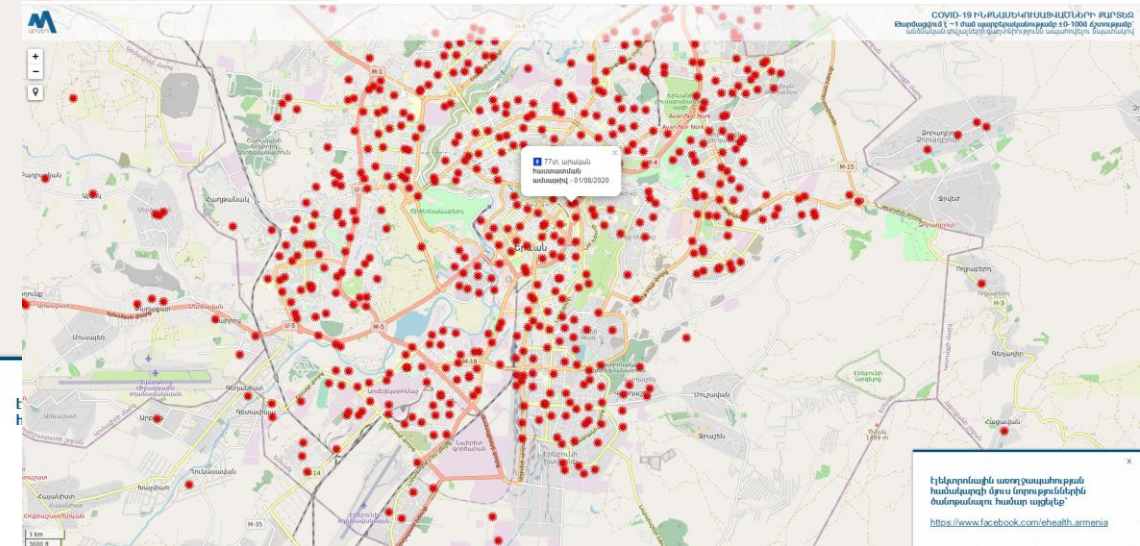
- State border
- Province centre
- Snowstorm

0 12,5 25 50 75 100 km

Good practice in combating covid-19 and lessons learnt



<https://covid19-map.armed.am/>



Good practice in combating covid-19 and lessons learnt



iPhone Screenshots



**Mobile app for control
COVID 19**

THANK YOU