



NextGIS Mobile - alternative mobile GIS

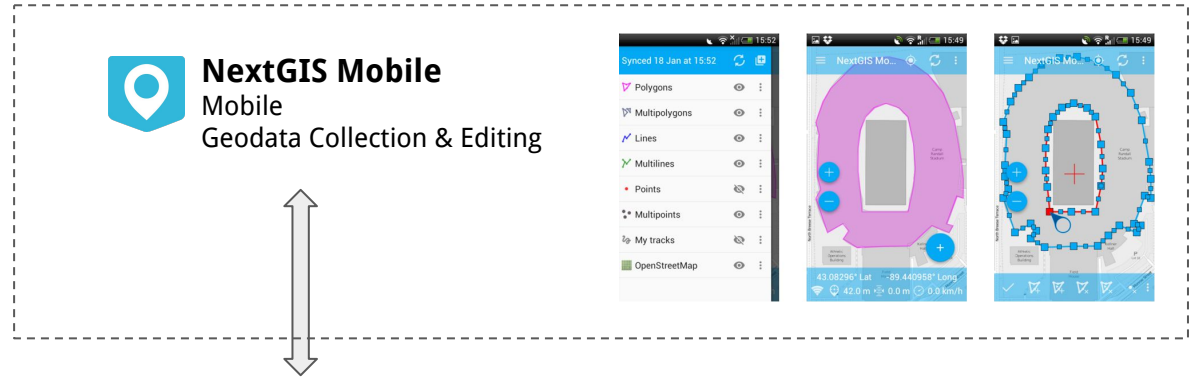
<http://nextgis.com>

General information

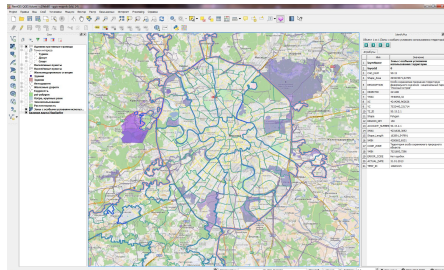
- Mobile
- Java/Android
- Data visualization
- Data collection
- Data editing



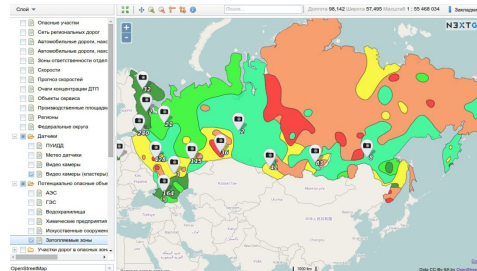
NextGIS Software Platform



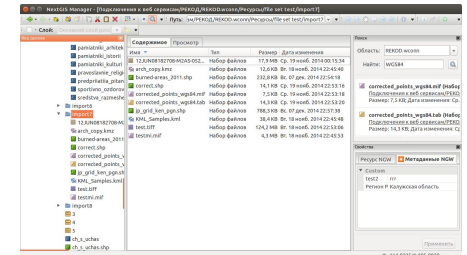
NextGIS QGIS
Desktop
Geodata Creation & Analysis

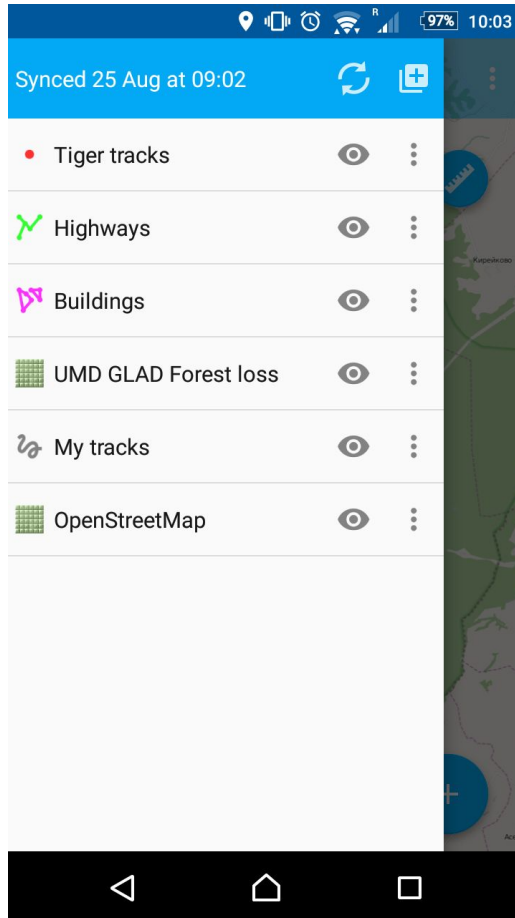


NextGIS Web
Server backend/frontend
Geodata Access & Storage
SaaS or On-premise

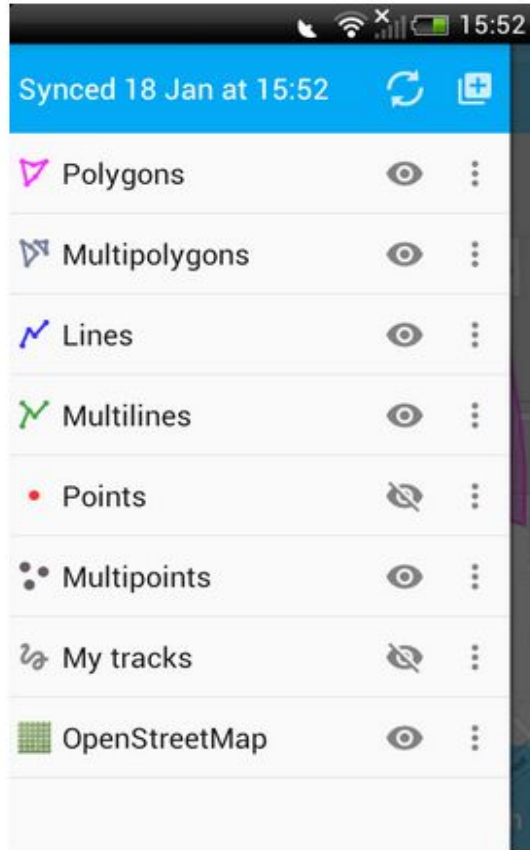


NextGIS Manager
Desktop
Geodata Management





Multiple layers



Multiple geometries



***your* unprepared* GIS data**

- GeoJSON
- XYZ
- Services

*well almost

← Create layer

Layer name

Manholes

Geometry type

Point

Fields

diameter

Integer

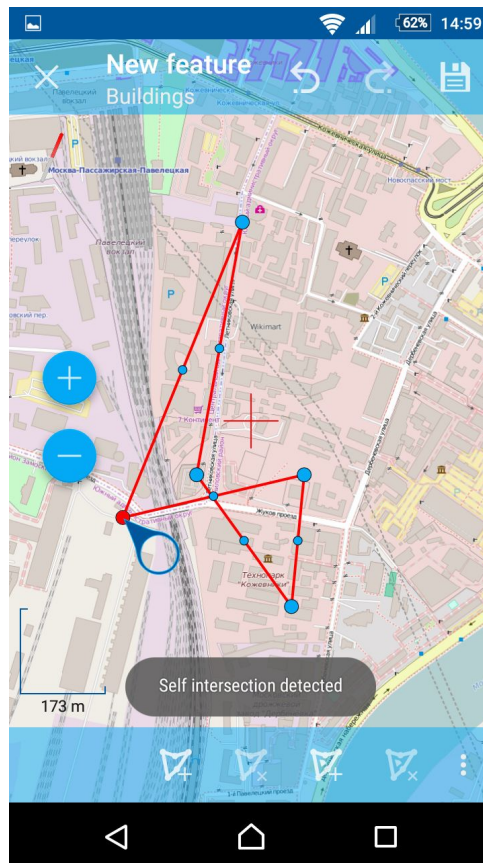
description

String

type

String

✓



Editable!

1. Convenient data entry

Attributes editing

45% 21:59

← Set attributes ✓ ⋮

HIGHWAY

unclassified ✕

LANES ✕

MAXSPEED ✕

NAME

Smith str. ✕

ONEWAY

yes ✕

OSM_ID

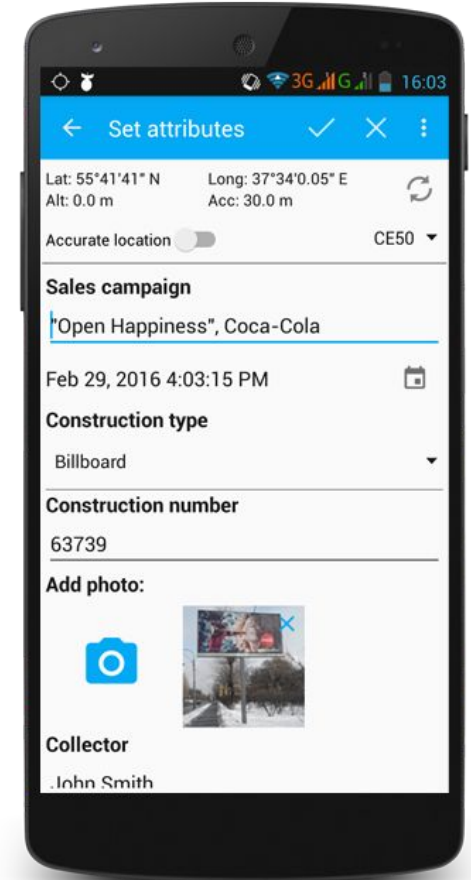
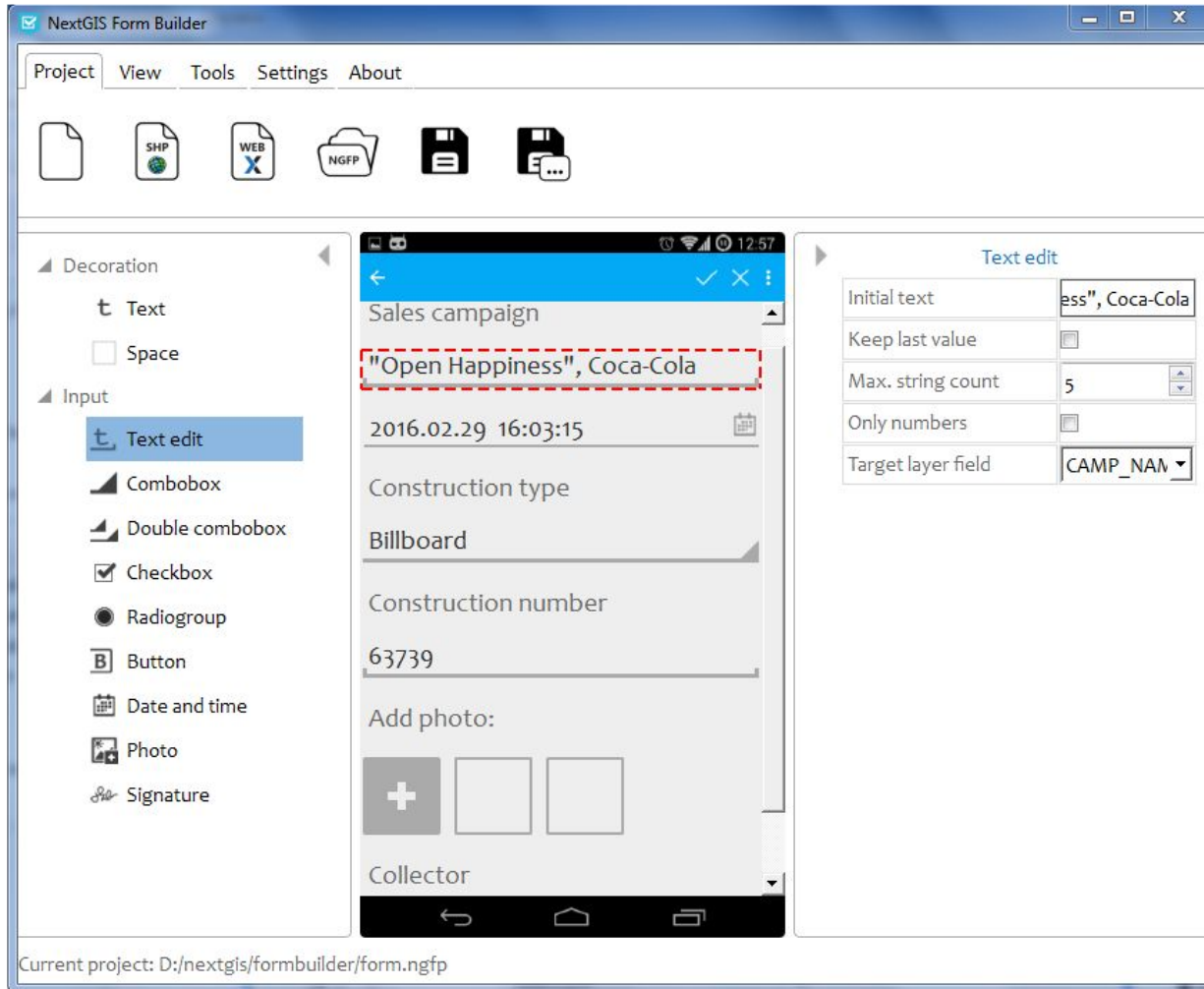
5.8404e+07 ✕

REF ✕

SURFACE

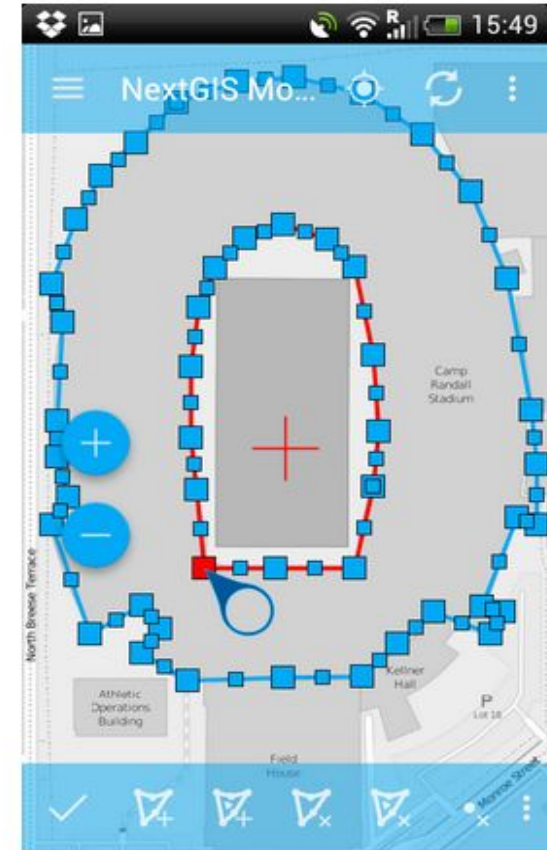
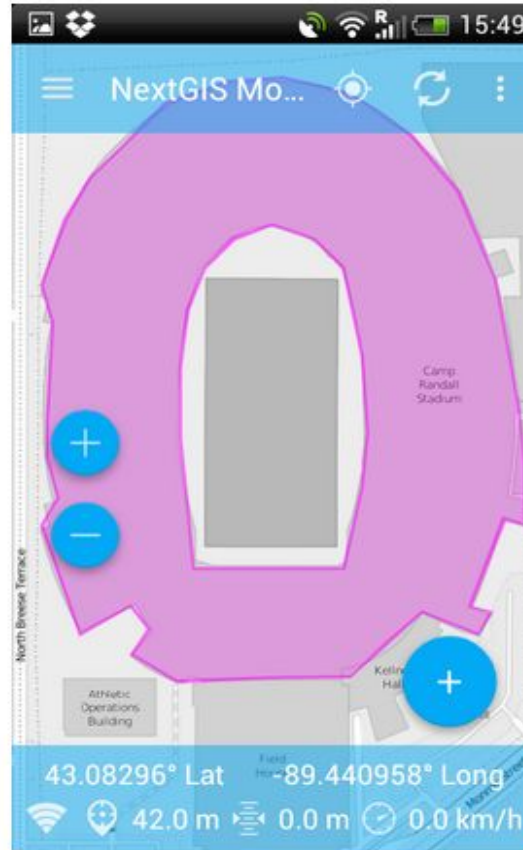
Navigation icons: back, home, recent apps

Custom forms



2. Collaborative mapping and database integration

Geometry editing



Collaborative data collection workflow

1. Define structure (fields, types etc.)
2. Upload to database to create a layer
3. Access this layer from multiple devices with NGM
4. Start collecting data
5. Get data synced and available on all other devices

nextgis.com support

65% 14:40

← Add from NextGIS

Switch to advanced ☐

Create your own GIS at my.nextgis.com

demo .nextgis.com

administrator

Password

☐ Guest

LOGIN

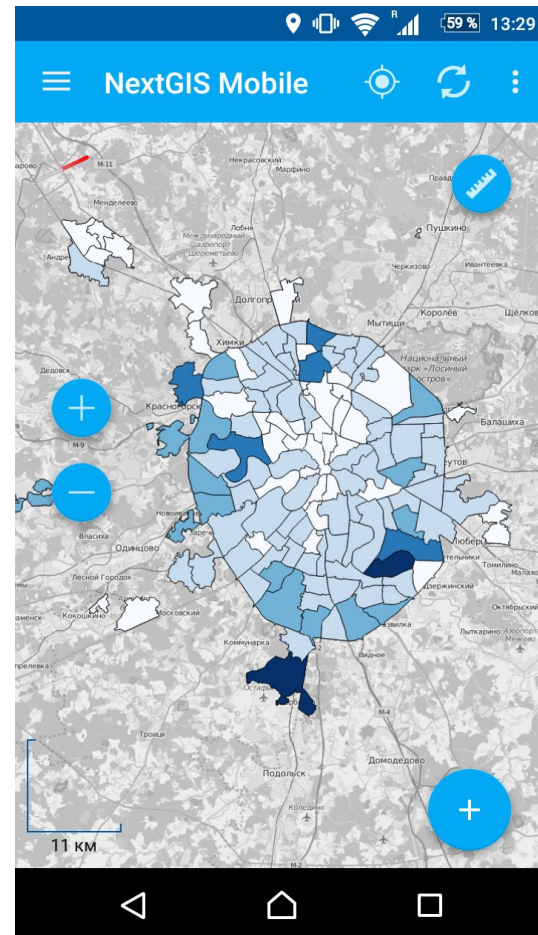
64% 14:41

Select layer

Accounts ► maxim.nextgis.com ► Citymap

	Vector layer	☐	☐
	Highways	Vector	Raster
	Vector layer	☐	☐
	Railroad stations	Vector	Raster
	Vector layer	☐	☐
	Citymap-webmap		Raster
	Web map		☒
	Rivers	Vector	Raster
	Vector layer	☐	☐
	Buildings	Vector	Raster
	Vector layer	☐	☐
	Railroads	Vector	Raster
	Vector layer	☐	☐

CANCEL ADD



3. Additional map services

Wolf project

← Set attributes ✓ ✕ ⋮

Route ID
1

Track ID
6

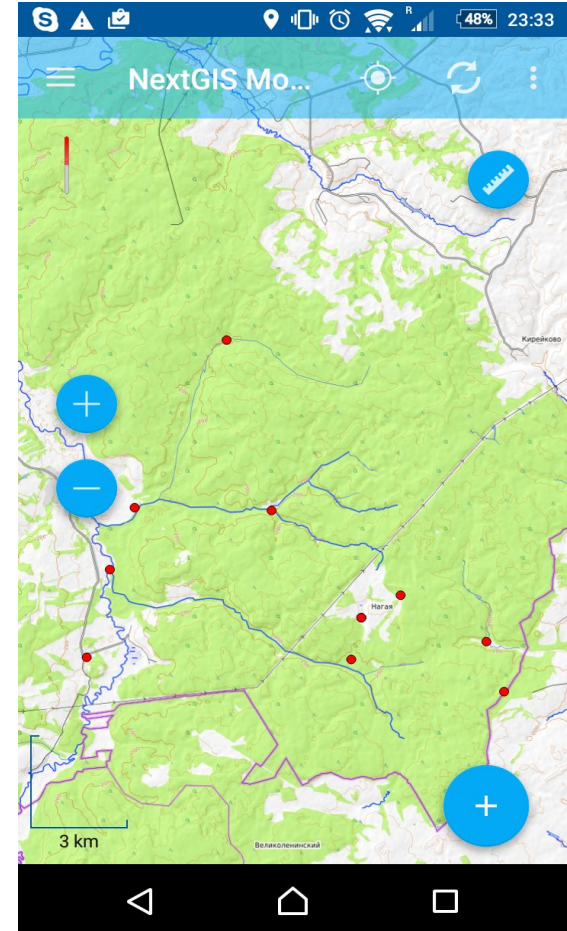
Dec 1, 2014 8:02:46 AM 📅

Sex
☒ Male
☐ Female
☐ Unidentified

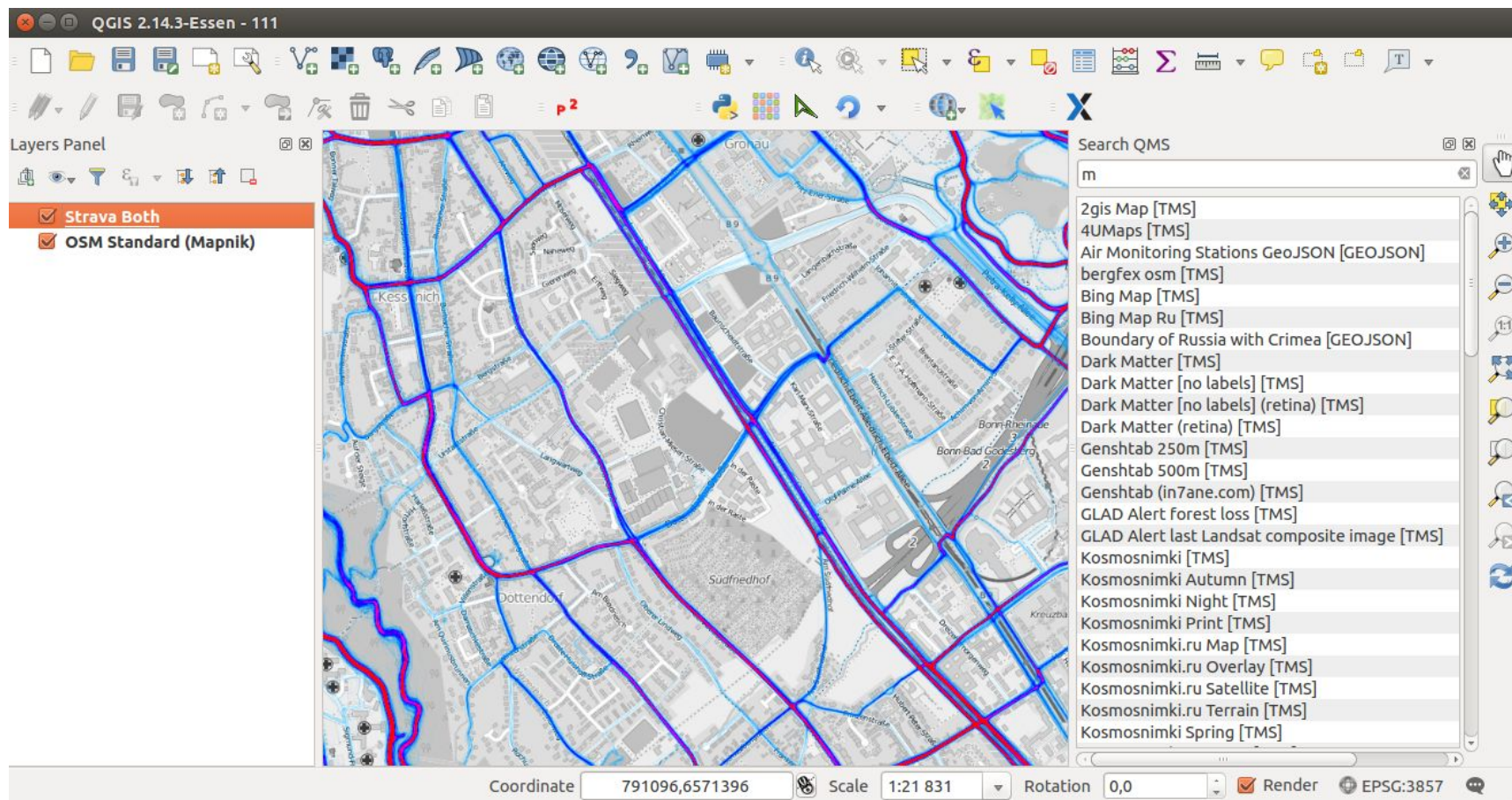
Age
☒ Adult
☐ Cub
☐ Unidentified

Track size (km²)

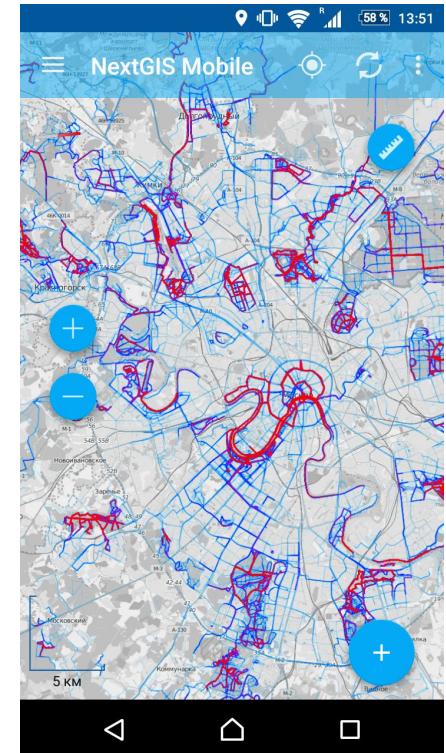
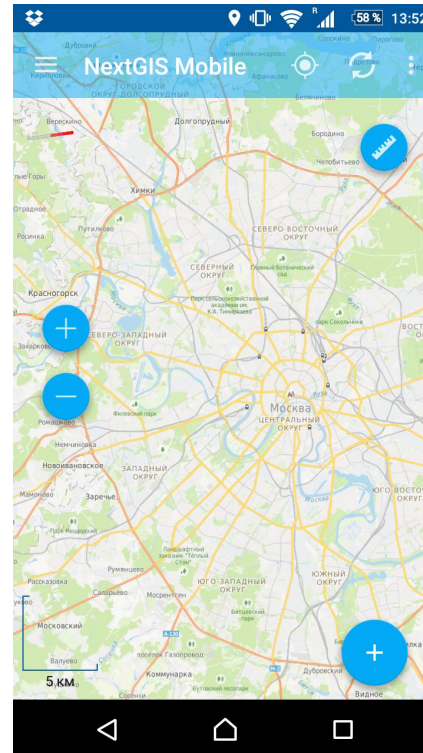
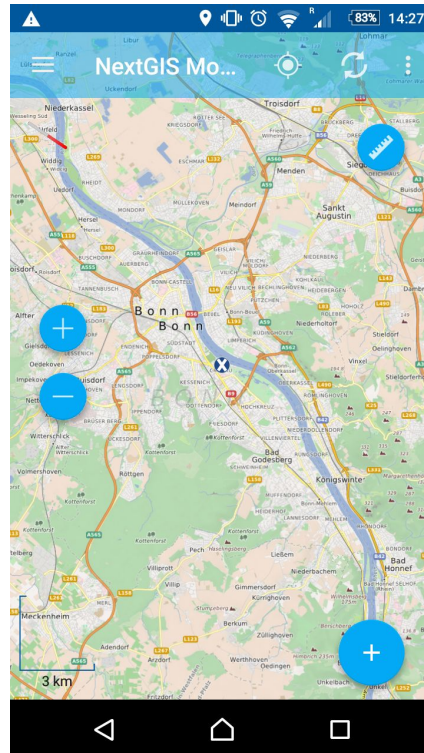
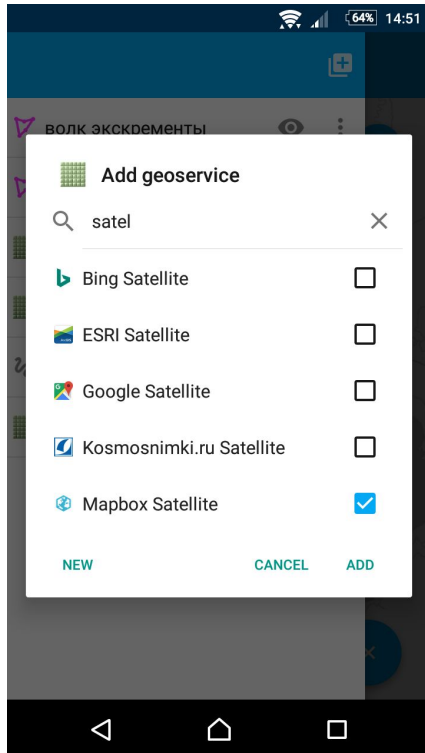
with IPEE RAS



Data discovery and distribution with QMS

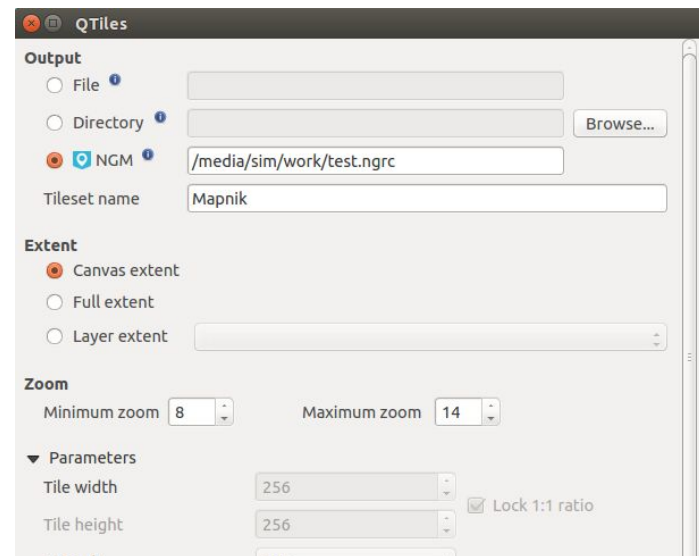
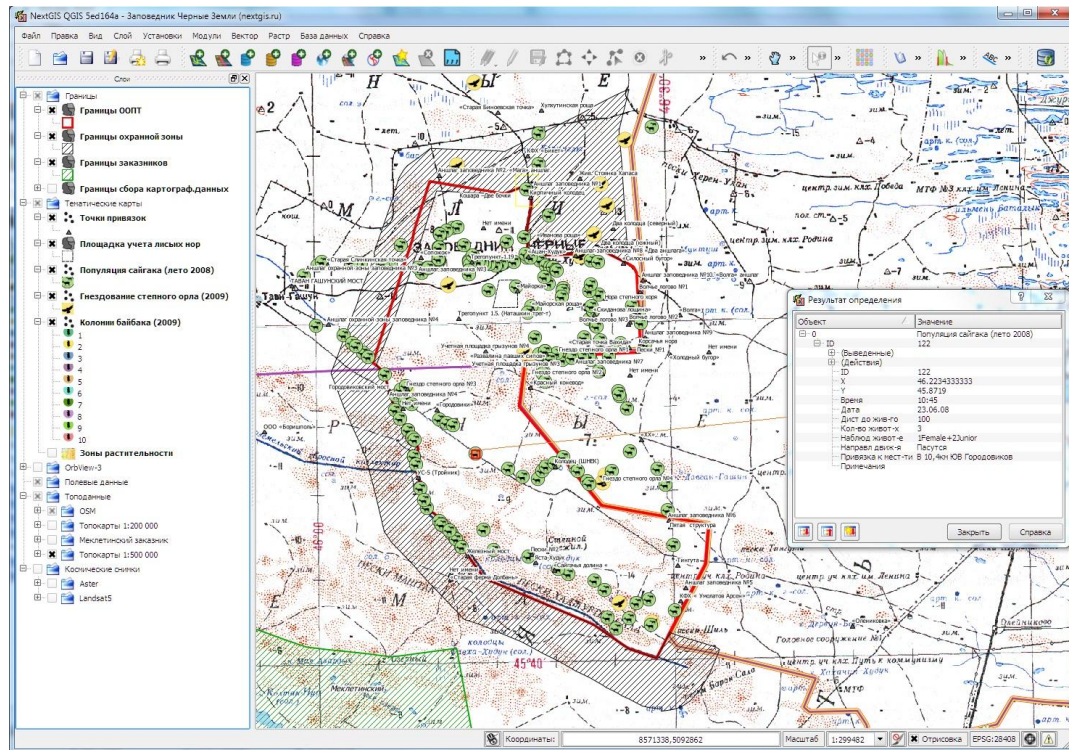


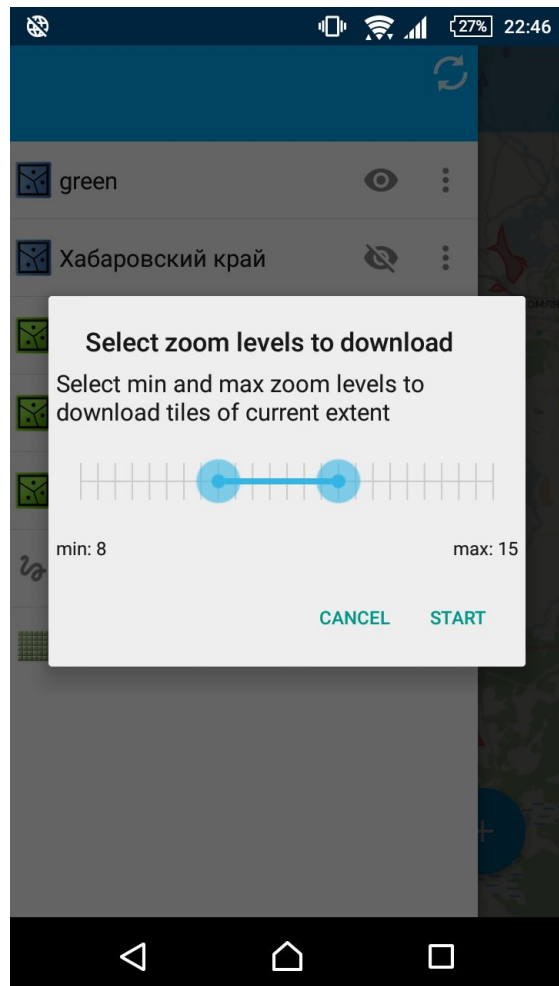
QMS Support in Mobile



4. Working offline

Working offline

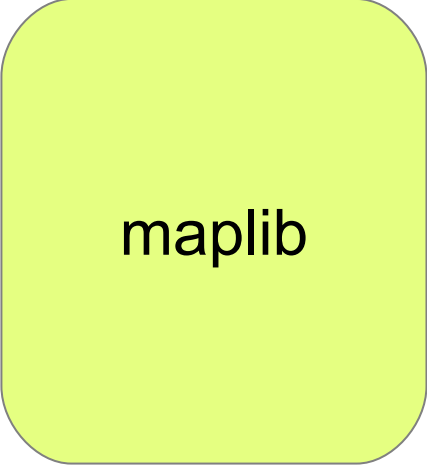




Working offline

5. Custom applications

For developers



maplib

LGPL v3

github.com/nextgis/android_maplib

- Storage
- Map
- Utilities



maplibui

LGPL v3

github.com/nextgis/android_maplibui

- Dialogs
- Forms



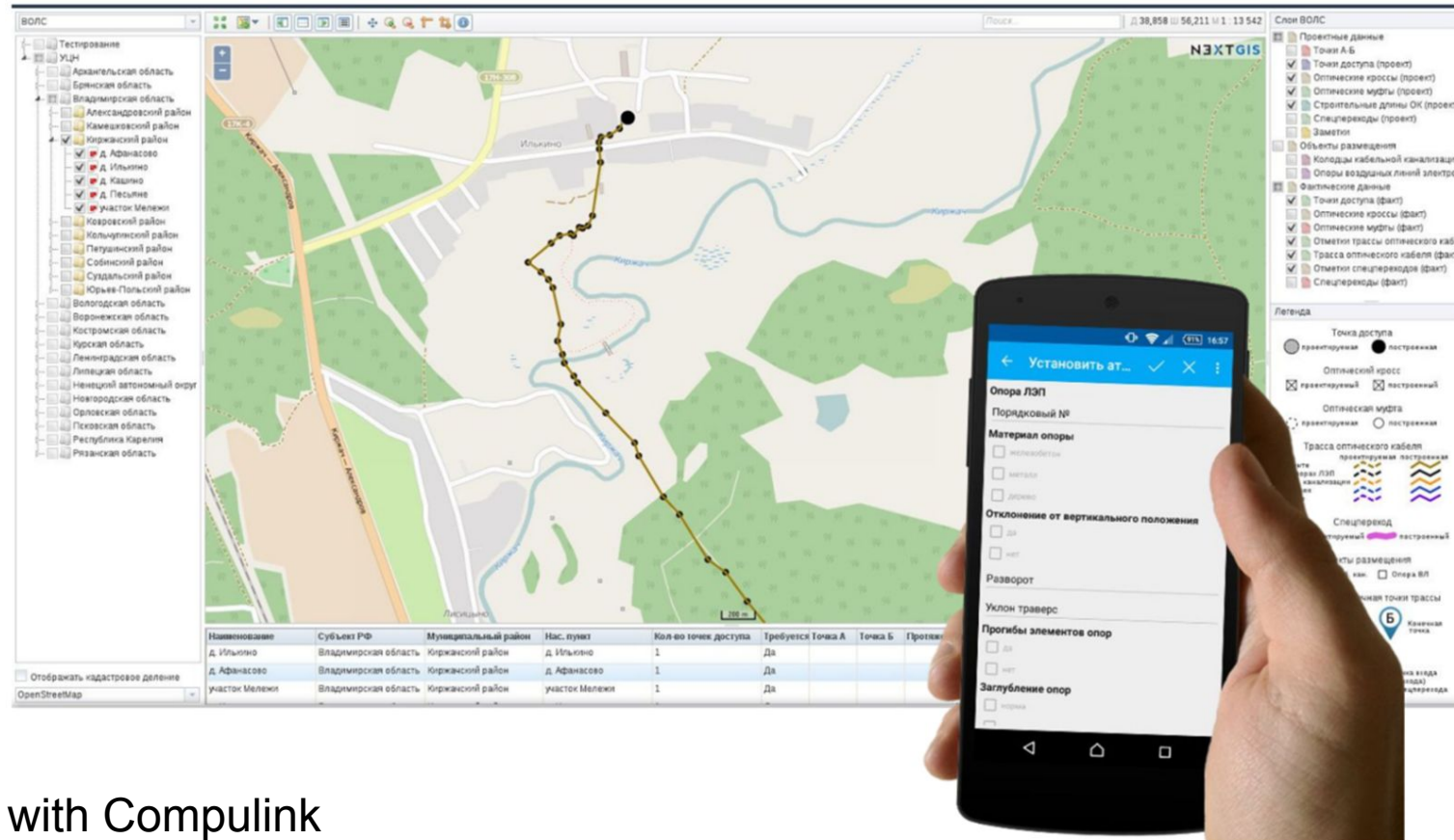
gisapp

GPL v3

github.com/nextgis/android_gisapp

- Main app

Fiber-optic lines construction monitoring

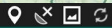
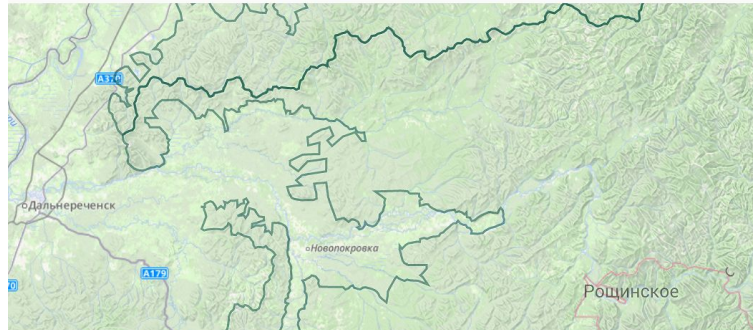


with Compulink

Forest violations reporting



Наименование лесничества, участкового лесничества, лесного участка, номера кварталов, выделов, делян



← Добавление данных

Координаты

Ш.: 55°41'41,05" С
В.: 0,0 м

Д.: 37°34'42" В
Т.: 30,0 м

Выдел(а)
148

Категория хлыстов
Деловой

Разряд высот
1

Диаметр пня	Бархат	Береза белая	Береза желтая	Береза каменная	дую
8	0 - +	0 - +	2 - +	0 - +	0 - +
12	0 - +	0 - +	6 - +	0 - +	0 - +
16	0 - +	0 - +	3 - +	0 - +	0 - +
20	0 - +	0 - +	1 - +	0 - +	0 - +
24	0 - +	0 - +	0 - +	0 - +	0 - +



← Акт о лесонарушении

Акт о лесонарушении

ФИО, должность и № удостоверения

Слободчиков Владимир А.
Федерального государственного

Дата и время составления

26 Май 2016 г. 12:56:35

Место составления

Введите место составления

1. Вид лесонарушения

Заготовка живицы с нару

Номер пункта, полное наименование

2. Место совершения лес

Наименование лесничества, участ

Щелкните, чтобы установ

Выбор целеуказания

Координаты

Ш.: 55°41'40,97" С
В.: 0,0 м

Д.: 37°34'28" В
Т.: 34,5 м



Показать ближайшие целеуказания



18 Сен 2015 г. 0:00:00,
Хабаровский край Хорское
Бичевское, часть 2 (б. Каф.) выдел 45



18 Сен 2015 г. 0:00:00,
Хабаровский край Хорское
Кафэнское выдел 6



18 Сен 2015 г. 0:00:00,
Хабаровский край Хорское
Кафэнское выдел 3



18 Сен 2015 г. 0:00:00,
Хабаровский край Хорское
Кафэнское выдел 4



18 Сен 2015 г. 0:00:00,
Хабаровский край Хорское
Кафэнское выдел 4



18 Сен 2015 г. 0:00:00,
Хабаровский край Хорское
Кафэнское выдел 22



ПРОПУСТИТЬ ОК



2/5-2016

го надзора и



with WWF

Future plans

- Switch from pure Java to NDK (C++), GDAL 2
- OpenGL ES rendering (preliminary result - 30x faster rendering compared to current)
- iOS version

Future plans

- Improve TMS driver
- Improve cache management
- New build system (CMake, Borsch) -> talk tomorrow, tunnel 10:30
- Improve sending data to mobile from other software

Try it!

<http://nextgis.com/nextgis-mobile>

