

Russian applications based on open data

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Abstract

Everybody knows that huge amount of information accumulated in government's organizations. Information about Transport, Economics, Health, Education and others. If this information is prepared in special Machine-readable data formats and published in Internet, than this is called datasets. Some specialists such as developers, analytics, data journalists can use datasets like a digital fuel. They chose the most interesting data mixed it and create new social and analytical applications.

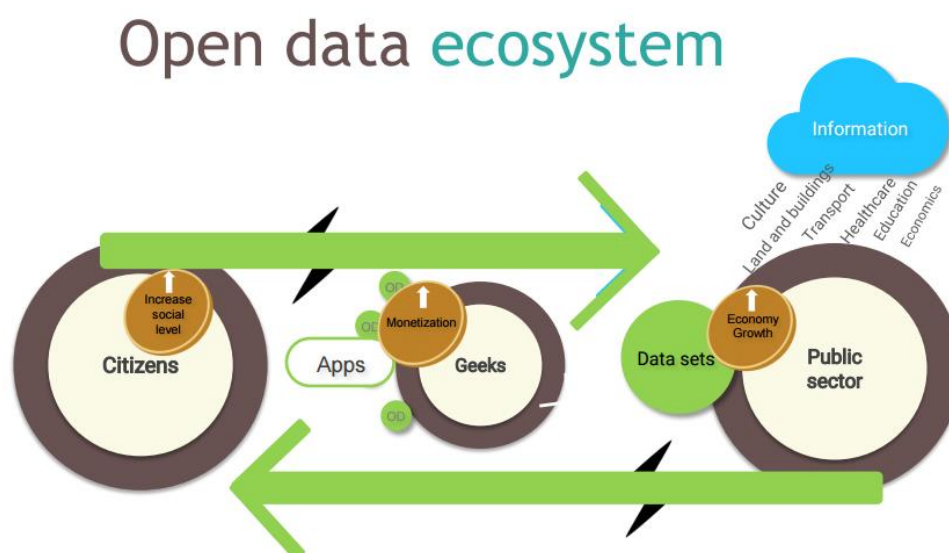


Diagram 1. Open Data ecosystem

Geeks offers their apps for citizens. Each part of Open Data ecosystem inspire do this. Citizens get new unique convenient applications. Specialists can get money for their apps (sell them, add advertising, use like part of marketing way). Public sector get new small and medium businesses, Tax from them. All of them accumulate high technology and economics loyalty of the people.

All Russians ministries and public sector oblige to publish Open Data (8 Federal low, 149 Federal low and other regulations).

All data are aggregated on the Data.gov.ru. Publishers can publish open data:

1. On their websites in special Open data sections
2. On their own open data portal
3. On Data.gov.ru

All quality datasets accumulate new apps.

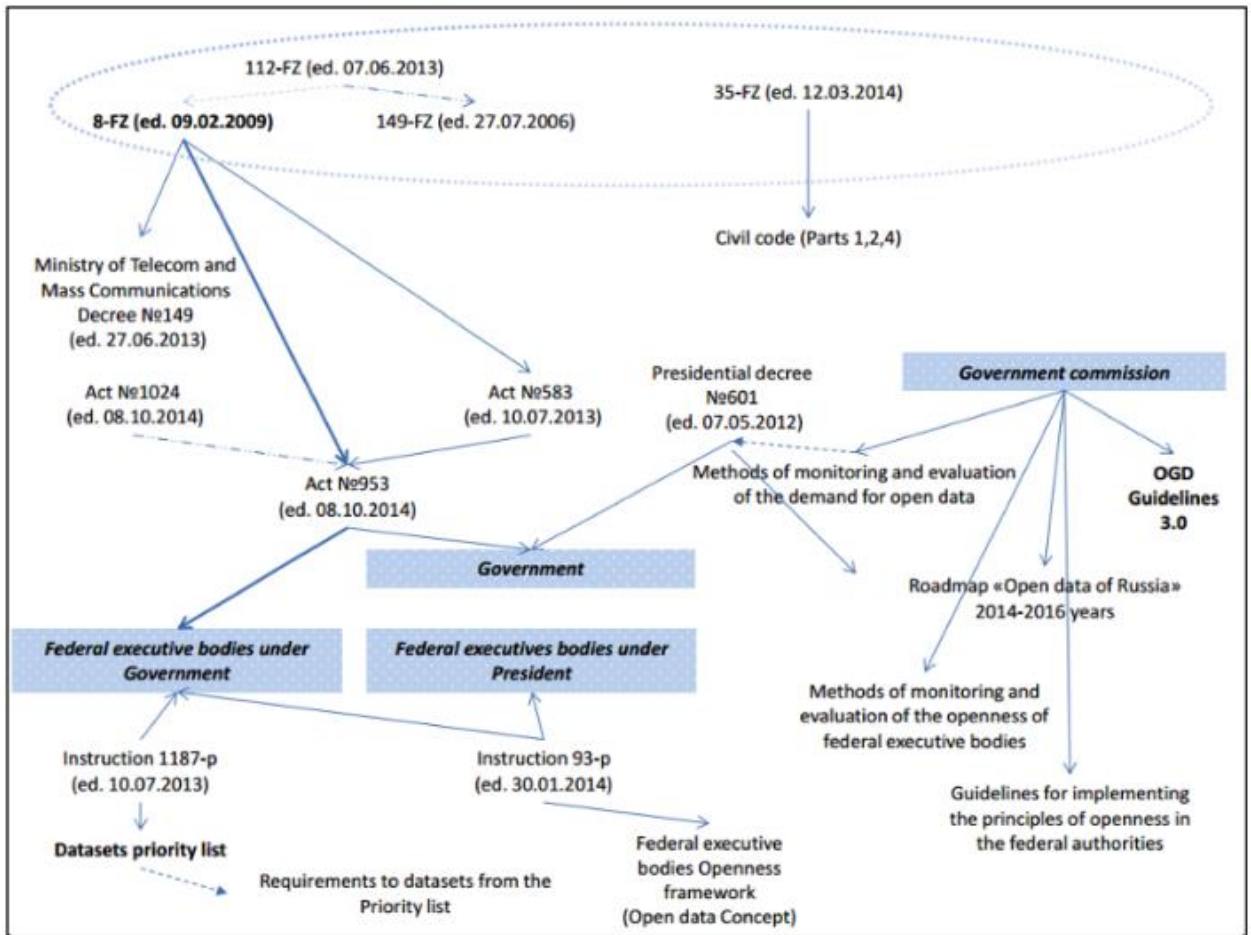


Diagram 2. Russian open data Law and regulation map, federal level

Example 1 - Land auctions of Russia - <http://земельные-аукционы.рф>

This app was created in one of the Open Data Contest. Land auctions of Russia help people observe tenders of land. People can see not usual point on the map, they can see all land area and specific of this place. Team who created this app from Samara city.

Example 2 - Rukvartal - <http://rukvartal.ru>

Team from Perm made app, which help people to know about all service companies of their buildings and give extra services like number of mobile phone district police officer, member of computers helping specialists and a lot.

Example 3 - AutoRaport - <http://авторепорт.рф>

Show history of cars using their VIN number.

Example 4 - Pollen club - <http://pollen.club>

Pollen club show people calendar of high pollen content. App help people to know periods of time the most pollen concentrated who has allergy.

Example 5 – Plandex - <http://www.plandex.ru>

Plandex app show ecology ranking of the new buildings in Moscow. App shows industry and factories area near buildings. Most people in Moscow don't know what usually stay behind the fence (industrial fence around factories) and what kind of ecology threat they get (air conditions, wind directions, it bring for people level of noise). Also app show schools, kindergartens, clinics, stores near new flat. It help people to choose new flat using data and facts.

Example 6 – Russian schools <http://russianschools.ru>

App which help to choose school. Data of schools state exams (ЕГЭ), schools tenders, finance (common service equipment, canteens, security – for example how much cameras was bought in 2016 years). App use data of schools Olympiads and data from social networks – what school people finished and what university their entered. Also you can see what kind of professions they chose.

Example 7 – Synapse <http://synapsenet.ru>

App show public tenders analysis. Each can compare petrol price in the market and in the government service. To see companies which bought products with most and less expensive price for the gasoline, flour and milk. You can get useful interface of tenders, sellers and get notifications about them.

Example 8 – Analyze bike routes

One team from Hackathon took data about cycling tracks in Moscow, bicycle parking and where often cyclists ride bicycle.

They concluded that two routes which was built for cyclists didn't use in Moscow (in 2015).

It is really hard to find business app which use opendata, because business doesn't like give this information.

Few examples:

Spark – Interfax. [Spark-interfax.ru](http://spark-interfax.ru). This app make companies monitoring. SPARK subscribers can quickly verify any company registered in Russia, Ukraine, Belarus, Kyrgyzstan and Kazakhstan, and can immediately draw conclusions from the available information. Users can assess the scale of the business and the company's creditworthiness, its affiliations and risks. The system tracks all of the changes in the life of a company and allows the user to conduct an in-depth analysis using its unique analytical tools.

Seldon app. Basis.myseldon.com. Seldon.Basis collects and analyzes all company and entrepreneur information from official sources. People can use the Seldon.Basis software for a comprehensive analysis of your contractors, such as how financially, contractually, or legally reliable they are.

All this examples show how open data work and it's the first step to improve of high technology in economy.