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THE USAGE OF THE OPEN DATA IN THE BUSINESS MANAGEMENT

Abstract:

This paper focuses on the issue of open data in the business management. All information and data on which the open data application operates, is drawn from publicly available databases and registries. Basic information frame is formed by the digital structured data, files in pdf, csv, xls formats and electronic scans of various documents. The research focuses on the comparison of applications (mainly Finstat and Indexpodnikatela) possibilities to search open data that contain information about companies in the Slovak Republic area. For the purposes of this paper, we present the specific examples of searching information through a filter provided by individual applications. The filters differ from each other, as well as individual displayed data.

Keywords:

Open data, FinStat, IndexPodnikatela, information searching

JEL Classification: C88, L17, L25

Introduction

This paper focuses on the issue of open data in the business management. The research focuses on the comparison of applications possibilities to search open data that contain information about companies in the Slovak Republic area. For the purposes of this paper, we present the specific examples of searching information through a filter provided by individual applications.

Open data

Management (or managing) is the administration of an organization, whether it be a business, a not-for-profit organization, or government body (Stofkova, 2011). Management includes the activities of setting the strategy of an organization and coordinating the efforts of its employees or volunteers to accomplish its objectives through the application of available resources, such as financial, natural, technological, and human resources. The term "management" may also refer to the people who manage an organization.

Open data is the idea that some data should be freely available to everyone to use and republish as they wish, without restrictions from copyright, patents or other mechanisms of control (Auer, 2007). The goals of the open data movement are similar to those of other "open" movements such as open source, open hardware, open content and open access.

The concept of open data is not new; but a formalized definition is relatively new—the primary such formalization being that in the Open Definition which can be summarized in the statement that "A piece of data is open if anyone is free to use, reuse, and redistribute it – subject only, at most, to the requirement to attribute and/or share-alike. (opendefinition.org)"

Open data may include non-textual material such as maps, genomes, connectomes, chemical compounds, mathematical and scientific formulae, medical data and practice, bioscience and biodiversity. Problems often arise because these are commercially valuable or can be aggregated into works of value. Access to, or re-use of, the data is controlled by organisations, both public and private. Control may be through access restrictions, licenses, copyright, patents and charges for access or re-use. Advocates of open data argue that these restrictions are against the communal good and that these data should be made available without restriction or fee. In addition, it is important that the data are re-usable without requiring further permission, though the types of re-use (such as the creation of derivative works) may be controlled by a license.

These are for example timetables, states incomes, budget, databases, list of providers of social services, register of organizations, lists of debtors or the measurement of air pollution.

A typical depiction of the need for open data:

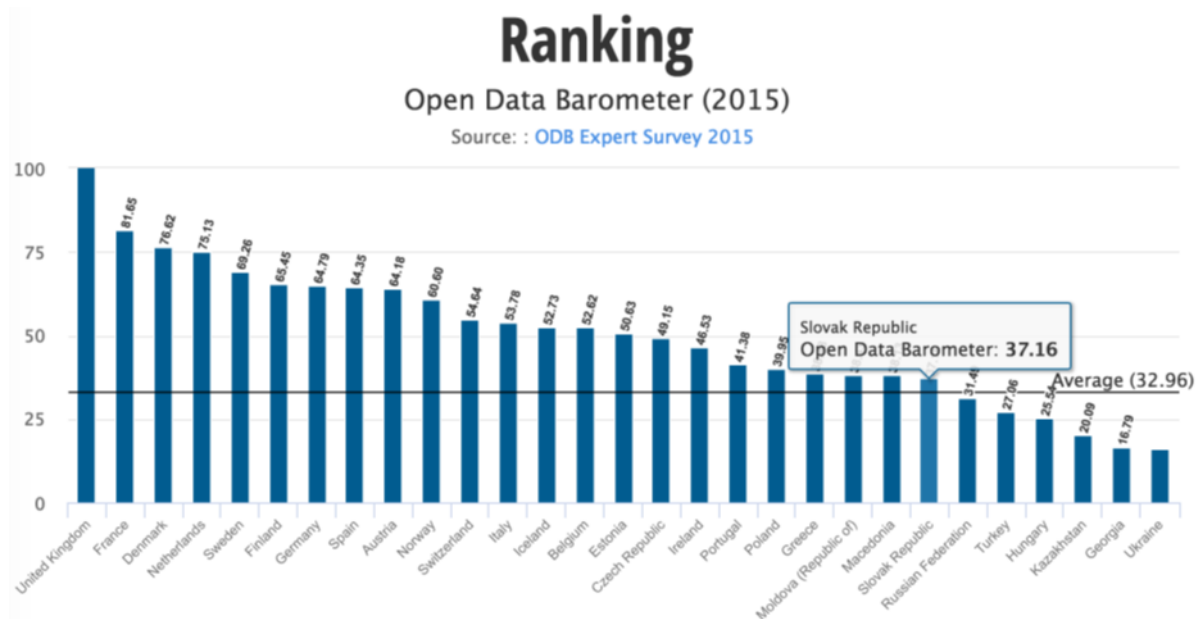
Numerous scientists have pointed out the irony that right at the historical moment when we have the technologies to permit worldwide availability and distributed process of scientific data, broadening collaboration and accelerating the pace and depth of discovery, but we are busy locking up that data and preventing the use of correspondingly advanced technologies on knowledge (Wilbanks, 2008).

Sources of open data are:

- the state and public administration,
- schools and universities,
- non-profit organizations, associations,
- private companies.

We focus in this paper on two applications that provide information about businesses in the Slovak Republic area. The first is IndexPodnikateľa (indexpodnikatela.sk) and the second application is FinStat (finstat.sk). For comparison purposes, we closer identify the parameters of the Slovak corporate market.

Figure 1: Rankings for Europe and Central Asia



Source: Own adjustment based on Open Data Barometer [online: <http://opendatabarometer.org/>]

We can see in figure 1 the Slovakia's position in Open Data Barometer scale.

Produced by the World Wide Web Foundation as a collaborative work of the Open Data for Development (OD4D) network and with the support of the Omidyar Network, the Open Data Barometer (ODB) aims to uncover the true prevalence and impact of open data initiatives around the world. It analyses global trends, and provides comparative data on countries and regions using an in-depth methodology that combines contextual data, technical assessments and secondary indicators.

Covering 92 countries in the present edition, the Barometer ranks nations on:

- Readiness for open data initiatives.
- Implementation of open data programmes.
- Impact that open data is having on business, politics and civil society.

The Barometer is a truly global and collaborative effort, with input from more than 150 researchers and government representatives. It takes over six months and more than 9,000 hours of research work to compile. This report is intended to be a summary of some of the most striking findings. The full data is available online, and intended to support further secondary research into the progression of open data policies and practices across the world.

Slovakia has achieved above-average ranking. There are 5.5 million inhabitants, of which more than 337,000 are self-employed. More than 290,000 are registered companies. We can say that the data from the Statistical Office are outdated, since they are published for the year 2015. We can obtain updated information from already mentioned applications IndexPodnikateľa and FinStat. These applications have their own databases and information is available immediately. Database contains information on defunct and newly established companies and self-employees. In the table below, we can see a comparison of databases of two selected applications.

Table 1: Databases comparison

Application	FinStat	IndexPodnikateľa
The number of companies	410 028	334 622
The number of self-employees	815 977	1 015 354

Source: Own processing.

To another database, which application FinStat contains, belong a database of financial data, a database of persons in the companies, a database of nonprofit organisations. After paying fees there is also a database of Czech companies and self-employees, legal databases (e.g. register of executions and payment orders) and other databases containing information from commercial journal (eg auctions).

Application IndexPodnikateľa contains the following additional databases: a database of accounting statements, a database of financial analysis, a database of records from commercial journal, a database of debtors in taxes, debtors on social and health insurance.

Among published business data belong:

- registers of self employees, companies and organizations - Commercial Register is a public register, which includes statutory data about entrepreneurs and other persons, which are stipulated by a special law,
- macroeconomic, demographic and social statistics,
- economic results of companies - incomes, profits, etc.,

- public procurement and e-marketplace,
- central register of contracts,
- a list of Slovak domains,
- contact information, company websites, catalogs,
- debtors' list (health and social insurance, taxes, duties, state claims),
- entrepreneurs in bankruptcy (bankruptcy, restructuring, small bankruptcies),
- execution proceedings,
- judicial decisions,
- register of pledges,
- information from the cadastre (land, buildings, certificates of ownership, encumbrances).

These data can be used in business. The entrepreneurs may know better the market in which they operate, for example: how many companies are operating in the same industry, or area, what turnover they have. The entrepreneurs may properly identify risks in the market and in the business contact (Soltes, 2016). Available information gives them an idea about their business partners. Applications, which are compared below, inform also about the changes in the monitored companies (bankruptcy, execution proceedings). Based on the data, which can be obtained from the applications, the company can compare its results with the competition, or branch, etc. And on this basis it can take improvement, or gain new business opportunities.

Examples of what data we can watch:

- results of competitors,
- the change of the name or residence of the company,
- if the company became a VAT payer,
- if the company has been declared bankrupt or restructuring,
- increasing debt of the company,
- the change of the owner or manager of the company,
- if the company rewrites properties to other persons / companies,
- if the property is on mortgage,
- if the company has made any contracts with the state.

FinStat

FinStat was founded in 2012 and launched in 2013. The aim of the application was to create a web portal that helps people to easily and for free assess the financial health of Slovak companies.

FinStat has processed from the beginning a number of data sources which analyzes and uses to make a picture of an individual companies. By combining data sources, editing and analyzing them it creates at the same time the image of the entire market - Slovak companies as a whole, individual sectors and groups of entrepreneurs.

The most important data sources, which are processed, are commercial bulletin, business register, trade register, the register of statement of finances, lists of debtors from insurance companies, lists of financial administrative and judicial decisions. There are also other data sources, which are used by FinStat.

IndexPodnikateľa

The project IndexPodnikateľa has been created as a tool to promote and develop a transparent business environment in Slovakia. It is an innovative and unique service that can examine and analyze any company doing business in Slovakia. Entrepreneurs can therefore receive the basic and extended information about business partners, suppliers or competitors. IndexPodnikateľa provides a detailed view of the arrears of health and social insurance, tax, bankruptcy, restructuring, execution and other statements relating to the monitoring company. One of the most important outcomes of this service is also a financial analysis of the company and the index "IndexPodnikateľa".

All information and data on which the IndexPodnikateľa operates is drawn from publicly available databases and registries. Basic information frame is formed by the digital structured data, files in pdf, csv, xls formats and electronic scans of various documents. Detailed analysis of companies requires detailed information about financial results (financial statements) for the previous periods. They are the only one in Slovakia, who decided to digitize (convert into a structured format) all qualitative sufficient and for the processing suitable documents (scans of accounting documents). From the vast amount of data they create financial analysis of companies, predictions, but also various statistical analyzes relating to the sectors, or specific lines of business.

Not every entrepreneur, self-employees, or sales representative may understand the variety of financial and economic indicators and financial analysis. Therefore, on the basis of the data received, the index Podnikateľa decided to evaluate the reliability and performance of companies, by creating the indexPodnikateľa, which clearly shows in which financial and economic state the company is, and whether it is appropriate to establish a business relationship.

With IndexPodnikateľa you can immediately verify your prospective business partner and add him to the list of monitored companies. If any problems or changes occur the system notifies you via automatic notification.

Both applications offer services for free as well as the paid services.

Specific examples for searching information

For the purposes of this paper, we present the specific examples of searching information through a filter provided by individual applications. The filters differ from each other, as well as individual displayed data. This is because the FinStat application uses activity in sector as a filter for entrepreneurial activity, and application IndexPodnikateľa uses the field of business according to the specification SKNACE in

the filter. In the FinStat application, we can see the classification by SKNACE only in the company details. Also, it is because the data that they present are from different periods of time.

In Figure 2 we can see the design of FinStat application and in Figure 3 we can see the design of IndexPodnikateľa application and also filtered data. Figure 2 shows the output for search - traders in the information technology industry in Žilina region. Figure 3 shows the output for search – self-employees in the business field of Information and Communication in Žilina region. We can observe a difference in filter from the beginning. FinStat application uses sectors to assign the activity of entrepreneur and IndexPodnikateľa uses the branch of business according to SKNACE.

Figure 2: Searching in application FinStat

The screenshot shows the FinStat application interface. At the top, there is a navigation bar with the FinStat logo and menu items: FIRMY, KONKURZY, OSOBY VO FIRMÁCH, VŠETKY SEKcie, CENNÍK. A search bar contains 'Spoločnosť / IČO' and a login button 'PRIHLÁSENIE'. Below the navigation bar, there are links to 'Databáza finančných údajov', 'Databáza firiem', and 'Databáza živnostníkov'. A yellow banner indicates 'Filtrujte v databáze živnostníkov a hromadne exportujte údaje do Excelu s: FinStat PREMIUM >'. The main content area is titled 'Databáza živnostníkov a fyzických osôb' and shows search filters for 'informačné technológie [1]' and 'žilinský [120391]'. The search results table is as follows:

NÁZOV	IČO	MESTO	KRAJ	ODVETVIE	ZAMESTNANCI	DÁTUM VZNIKU
Ing. Slávka Hartelová	IČO: 47903708	Žilina	žilinský	Informačné technológie	5-9	5.9.2014
Ing. Roman Kokavec BELL <i>(pozastavená)</i>	IČO: 36995444	Liptovský Mikuláš	žilinský	Informačné technológie	3-4	30.12.1993
Milan Martvoň - SK mobil	IČO: 40338011	Námestovo	žilinský	Informačné technológie	2	30.8.2002
Peter Sedmák	IČO: 34220771	Žilina	žilinský	Informačné technológie	2	19.6.1995

Source: Own processing.

Figure 3: Searching in application IndexPodnikateľa

Index	Názov	Rok	Veľkosť organizácie	Právna forma	Daň	Tržby + výnosy	Zisk po zdanení	Vlastné imanie
	Mgr. Zuzana Tyrpáková		nezistený	Živnostník	0 €	0 €	0 €	0 €
	Marek Mazáhn MSM		0 zamestnancov	Živnostník	0 €	0 €	0 €	0 €
	Marek Stachúak PC data		0 zamestnancov	Živnostník	0 €	0 €	0 €	0 €
	Mgr. Anton Martvoň		0 zamestnancov	Živnostník	0 €	0 €	0 €	0 €
	Mgr. Zuzana Dvořská		nezistený	Živnostník	0 €	0 €	0 €	0 €
	Dušan Blžoz - SUN rpg		nezistený	Živnostník	0 €	0 €	0 €	0 €
	Miroslav Kučera		nezistený	Živnostník	0 €	0 €	0 €	0 €
	Ing. Peter Sládek		0 zamestnancov	Živnostník	0 €	0 €	0 €	0 €
	Bc. Tatiana Galparová		nezistený	Živnostník	0 €	0 €	0 €	0 €
	Marlín Ťučka		nezistený	Živnostník	0 €	0 €	0 €	0 €
	Ing. Marek Chovanec Nexusoft		nezistený	Živnostník	0 €	0 €	0 €	0 €
	Miloslav Halienka		0 zamestnancov	Živnostník	0 €	0 €	0 €	0 €
	Ing. Alenka Halienková		0 zamestnancov	Živnostník	0 €	0 €	0 €	0 €
	Mgr. Pavol Varhanik PROSMATIC		0 zamestnancov	Živnostník	0 €	0 €	0 €	0 €
	Ing. Martin Štaník WEBIES		nezistený	Živnostník	0 €	0 €	0 €	0 €
	Ing. Peter Plocek		0 zamestnancov	Živnostník	0 €	0 €	0 €	0 €
	Ing. Daniel Durš		0 zamestnancov	Živnostník	0 €	0 €	0 €	0 €
	Ing. Ivan Kasanický ml., Mony Soft		nezistený	Živnostník	0 €	0 €	0 €	0 €

Source: Own processing.

Statistical Classification of Economic Activities (hereinafter "SKNACE") is given to categorize data relating to the economic entity as a statistical unit. It is one of the tools for the preparation of various statistics - outputs, inputs into the production process, capital formation and financial transactions of economic entities.

In Figures 4 and 5 we can see the filtered data. We searched for companies in the telecommunications industry in Žilina region. It was displayed the list of companies in the sector and a general information about these companies. The difference in displaying self-employees and companies is observed in the initial display of information on searching companies, i.e. we see the information about sales, profits, assets, etc.

Figure 4: The list of companies in Žilina region in telecommunication area in the application FinStat

NÁZOV	ROK	TRŽBY	ZISK	AKTÍVA	SPLATNÁ DAŇ	ZVÝŠENÉ
OSI DATA s.r.o. Telekomunikácie	2015	3 211 714 €	26 561 €	2 815 221 €	8 778 €	1.1.2017
MARTIQ s.r.o. Telekomunikácie	2015	2 499 720 €	169 578 €	2 500 494 €	41 025 €	23.3.2016
HARD, s. s. Telekomunikácie	2015	2 492 250 €	-141 198 €	5 035 999 €	2 880 €	2.4.2016
ARTOS, s. s. Telekomunikácie	2015	1 429 310 €	9 503 €	358 281 €	4 112 €	2.7.2016
GAVA, s. r. o. Telekomunikácie	2015	1 294 405 €	70 765 €	691 786 €	26 802 €	1.4.2016
IMAFEX, spol. s r.o. Telekomunikácie	2015	1 178 957 €	159 851 €	1 091 699 €	59 214 €	30.6.2016
TESATEL, s.r.o.	2015	676 154 €	74 874 €	1 000 000 €	0 €	30.6.2016

Source: Own processing.

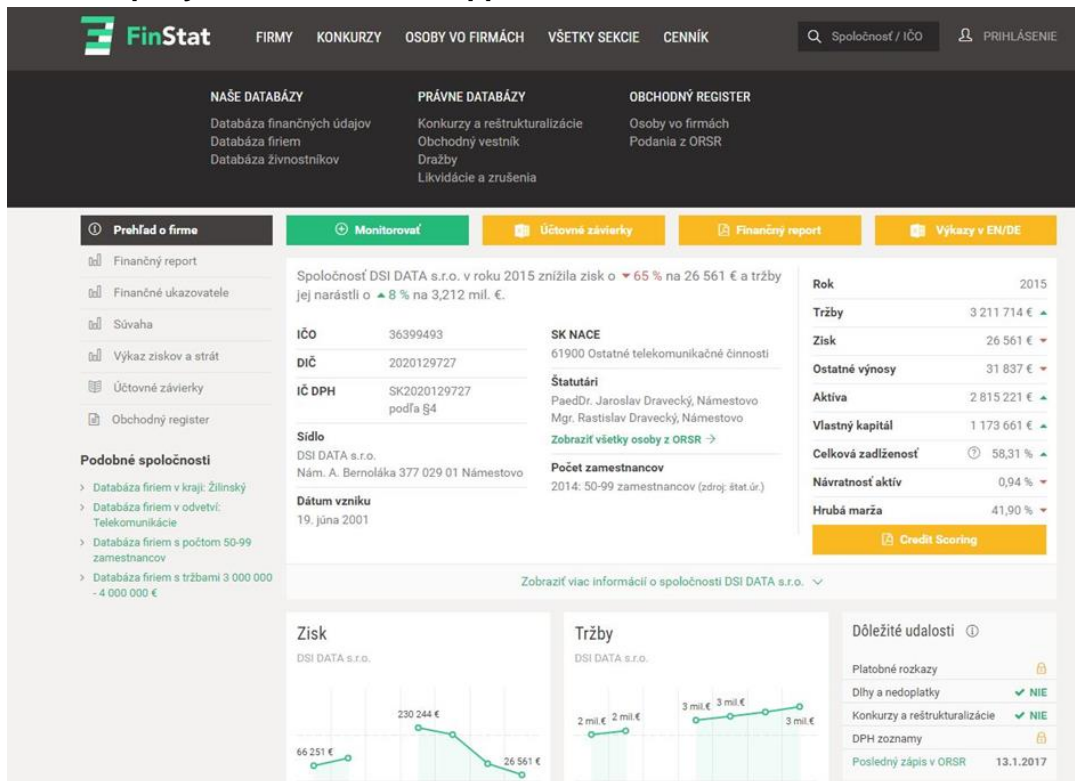
Figure 5: The list of companies in Žilina region in telecommunication area in the application IndexPodnikateľa

Index	Názov	Rok	Veľkosť organizácie	Právna forma	Dátum	Tržby + výnosy	Zisk po zdanení	Vlastné imanie
DSI	DSI DATA s.r.o.	2015	50-99 zamestnancov	Spol. s r. o.	20.708 €	3 128 043 €	-26 561 €	1 173 661 €
HAMO	HAMO, a. s.	2015	20-24 zamestnancov	Alic. spol.	39 692 €	2 561 297 €	-141 198 €	3 035 144 €
MARTICO	MARTICO, s.r.o.	2015	10-19 zamestnancov	Spol. s r. o.	31 564 €	2 484 411 €	169 578 €	1 939 312 €
MARTOS	MARTOS, a. s.	2015	Neaktívny	Alic. spol.	4 112 €	1 429 319 €	9 503 €	92 156 €
ISPA	ISPA, s. r. o.	2015	10-19 zamestnancov	Spol. s r. o.	26 802 €	1 294 412 €	70 765 €	507 370 €
MAPTEL	MAPTEL, spol. s r. o.	2015	10-19 zamestnancov	Spol. s r. o.	59 214 €	1 188 470 €	159 811 €	918 922 €
TESTAL	TESTAL, s.r.o.	2015	5-9 zamestnancov	Spol. s r. o.	5 317 €	678 527 €	28 571 €	342 177 €
TES KAMBA	TES KAMBA, s. r. o.	2015	10-19 zamestnancov	Spol. s r. o.	3 257 €	640 640 €	-11 876 €	250 534 €
FMZ	FMZ RÁDIOKOMUNIKÁCIE, spol. s r. o.	2015	3-4 zamestnanci	Spol. s r. o.	13 062 €	571 871 €	38 930 €	46 234 €
MMI	MMI - M&E, s. r. o.	2015	10-19 zamestnancov	Spol. s r. o.	9 614 €	462 734 €	30 050 €	77 887 €
NETFASNE	NETFASNE, s.r.o.	2015	2 zamestnanci	Spol. s r. o.	20 440 €	390 142 €	71 911 €	232 754 €
PROKL	PROKL, s. r. o.	2015	10-19 zamestnancov	Spol. s r. o.	9 083 €	359 482 €	19 810 €	23 160 €
Nelson Services	Nelson Services, s. r. o.	2015	5-9 zamestnancov	Spol. s r. o.	2 495 €	316 742 €	1 554 €	-26 603 €
LUCION Technologies	LUCION Technologies, s. r. o.	2015	0 zamestnancov	Spol. s r. o.	960 €	248 023 €	1 763 €	85 578 €
SONULS	SONULS, s.r.o.	2015	2 zamestnanci	Spol. s r. o.	7 132 €	215 710 €	10 920 €	93 376 €
MSL	MSL, s.r.o.	2015	5-9 zamestnancov	Spol. s r. o.	2 302 €	191 360 €	12 291 €	1 448 €
Lands	Lands, s.r.o.	2015	1 zamestnanec	Spol. s r. o.	12 076 €	164 608 €	39 388 €	192 788 €
NOGA	NOGA, s.r.o.	2015	3-4 zamestnanci	Spol. s r. o.	2 040 €	161 242 €	7 205 €	94 004 €
ATT	ATT servis, s.r.o.	2015	2 zamestnanci	Spol. s r. o.	804 €	158 717 €	2 093 €	4 067 €
SDMP	SDMP-SHOP, s.r.o.	2015	3-4 zamestnanci	Spol. s r. o.	960 €	148 659 €	-11 870 €	4 067 €
MASTER Telecom	MASTER Telecom, s.r.o.	2015	3-4 zamestnanci	Spol. s r. o.	2 482 €	111 525 €	6 997 €	10 713 €
SONULS	SONULS, s.r.o.	2015	1 zamestnanec	Spol. s r. o.	960 €	119 691 €	3 958 €	10 713 €

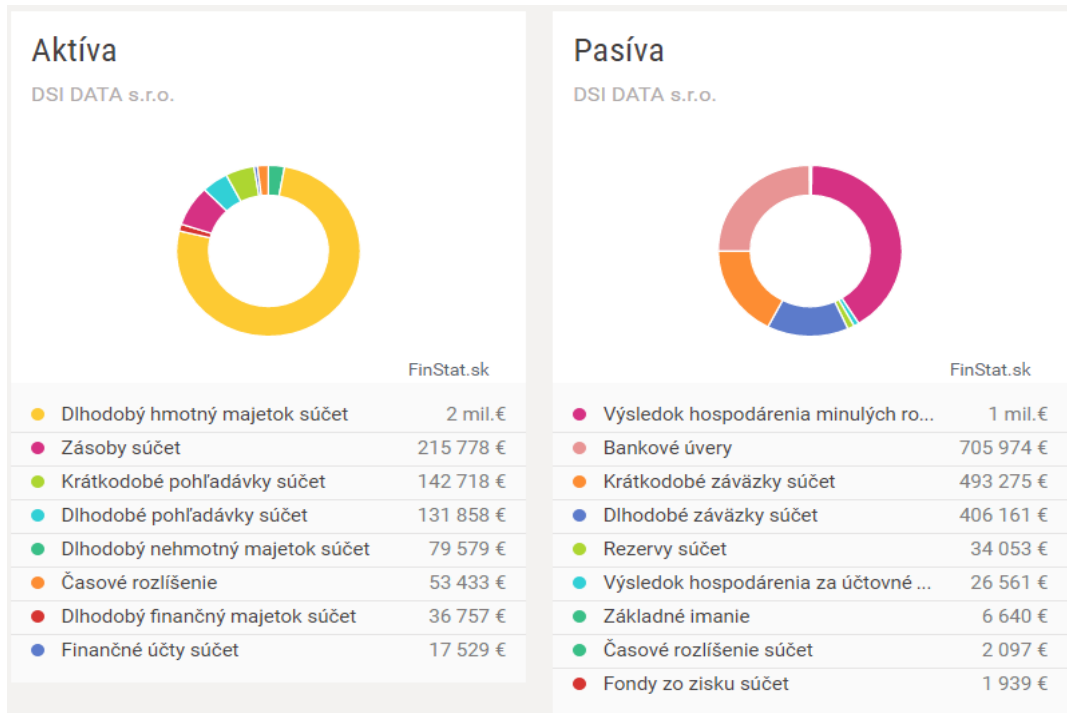
Source: Own processing.

If you click on a particular company, details about the company will be displayed, where we can find the necessary information regarding the company. Design of applications is different and also the way to get the searched information.

Figure 6: Company details in FinStat application

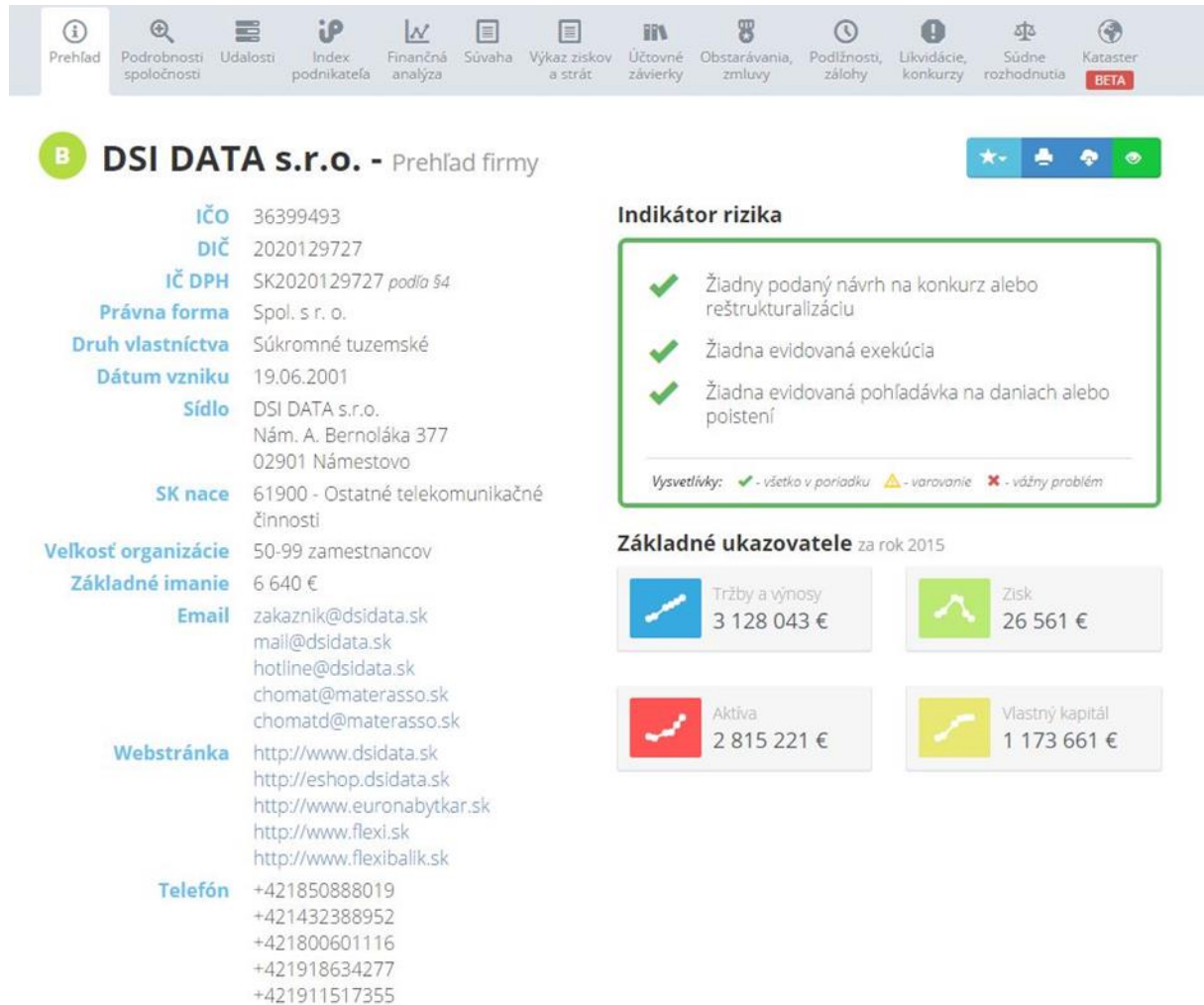


Source: Own processing.

Figure 7: Assets and liabilities of selected company in FinStat application

Source: Own processing.

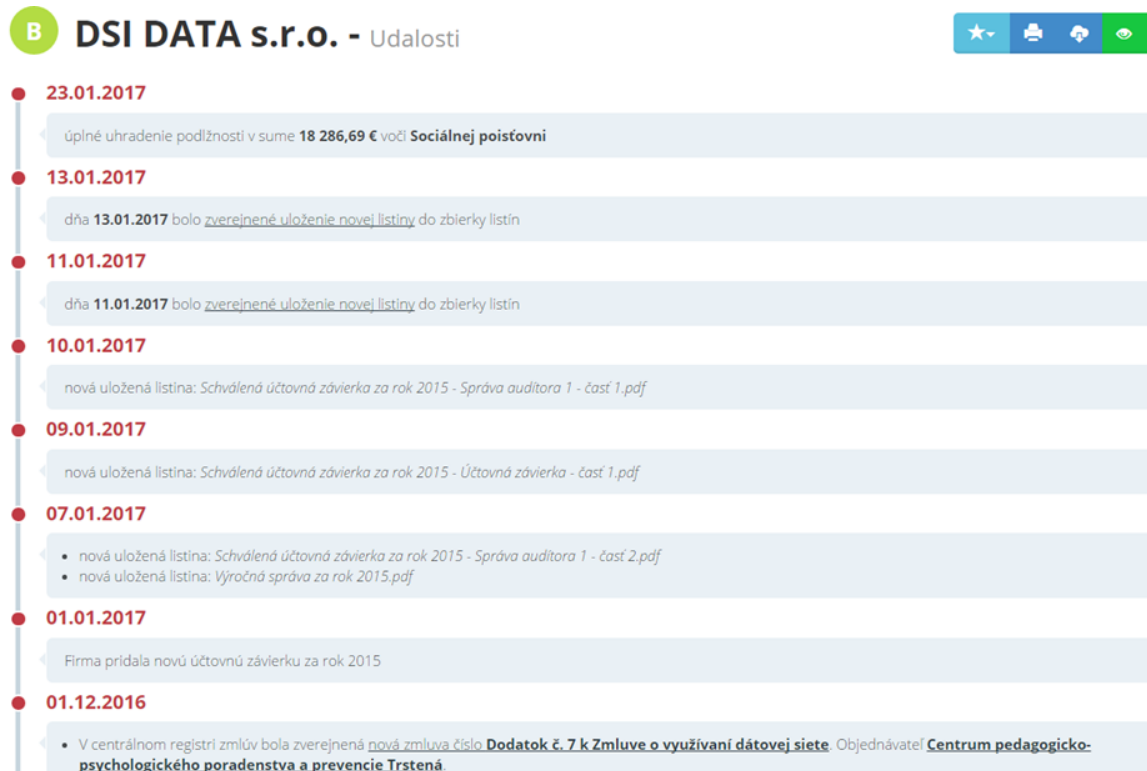
In Figure 6, we can see an overview of information about a particular company in the FinStat application. There are data about incomes, profits, assets, liabilities (Figure 7), etc. for a specific year. These data can be converted to PDF. In the left panel, we can view the financial report, financial indicators, balance sheet, profit and loss statement and data from the commercial register of a particular company. In the upper bar are another options: monitoring of the company, financial statements, and the financial report, but these services are charged.

Figure 8: Company Details in the application IndexPodnikateľa

Source: Own processing.

In Figure 8, we can see an overview of a specific company in IndexPodnikateľa application. In the top bar of the screen, we can gradually display more information about the specific company, events (Figure 9), index podnikateľa (entrepreneur index), financial analysis (fraction of a financial analysis we can see in Figure 10), balance sheet, profit and loss account, financial statements, contracts and agreements, outstanding debts, liquidation and bankruptcy and court decisions.

Figure 9: Detail of events related to the specific company in the application IndexPodnikateľa

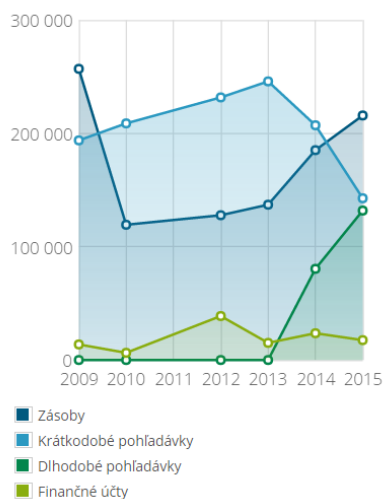


Source: Own processing.

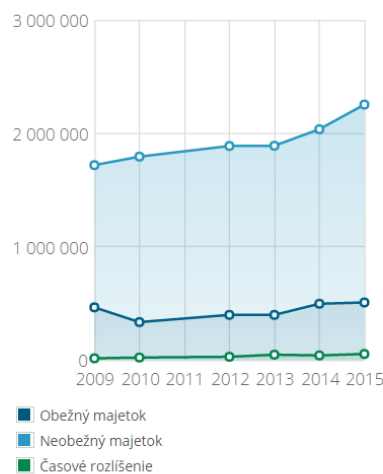
Figure 10: Assets and liabilities of the specific company in the application IndexPodnikateľa

Vertikálna analýza

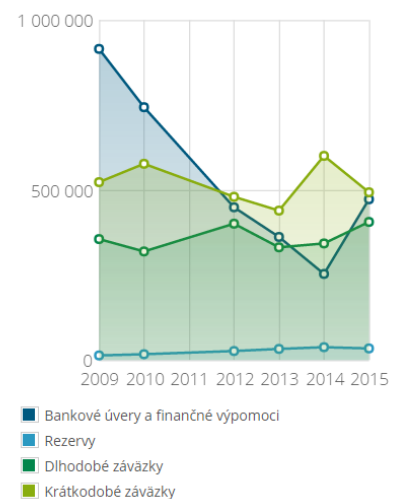
Aktíva - Štruktúra obežných aktív



Aktíva - Štruktúra majetku



Pasíva - Štruktúra záväzkov



Source: Own processing.

Since we did not obtain access to paid version of FinStat application, in the following paragraphs, we will describe only other features of IndexPodnikateľa application, where we received a paid access. For the purpose of this paper we mention a specific

example. We were looking for companies that sell wiring materials (SKNACE: 46520, 46690). Other information that we have obtained are:

- 1222 companies and 40 entrepreneurs carry business in this area,
- 66% of companies have a good credit rating,
- they place on the market goods for 9,033 companies (7158 traders and 1875 companies),
- 10% of companies have a high risk of bankruptcy and 11% have a medium risk.

If we take for an example a wiring works, we find out:

- there is approximately 645 customers, which is 7.15% of the market
- 10% of companies in the market where the company supplying the goods has a high probability of bankruptcy,
- 1.7% of companies are in bankruptcy or restructuring,
- 6.6% of companies and sole traders has led debt.
- 0.5% of the companies is problematic in VAT paying,
- median period of the turnover in sector is 93 days for liabilities and 58 days for assets.
- The total indebtedness in the sector is 55%.

Another feature of this application is people search, through which we can get also information about where is the person involved. We can see also the rating of individual companies. This function is used to gain insight into the financial health of all companies in which the searching person operates. The particular example can be seen in the Figure 11.

Figure 11: The participation of a particular person in application IndexPodnikateľa - searching

Vyhľadávanie osôb

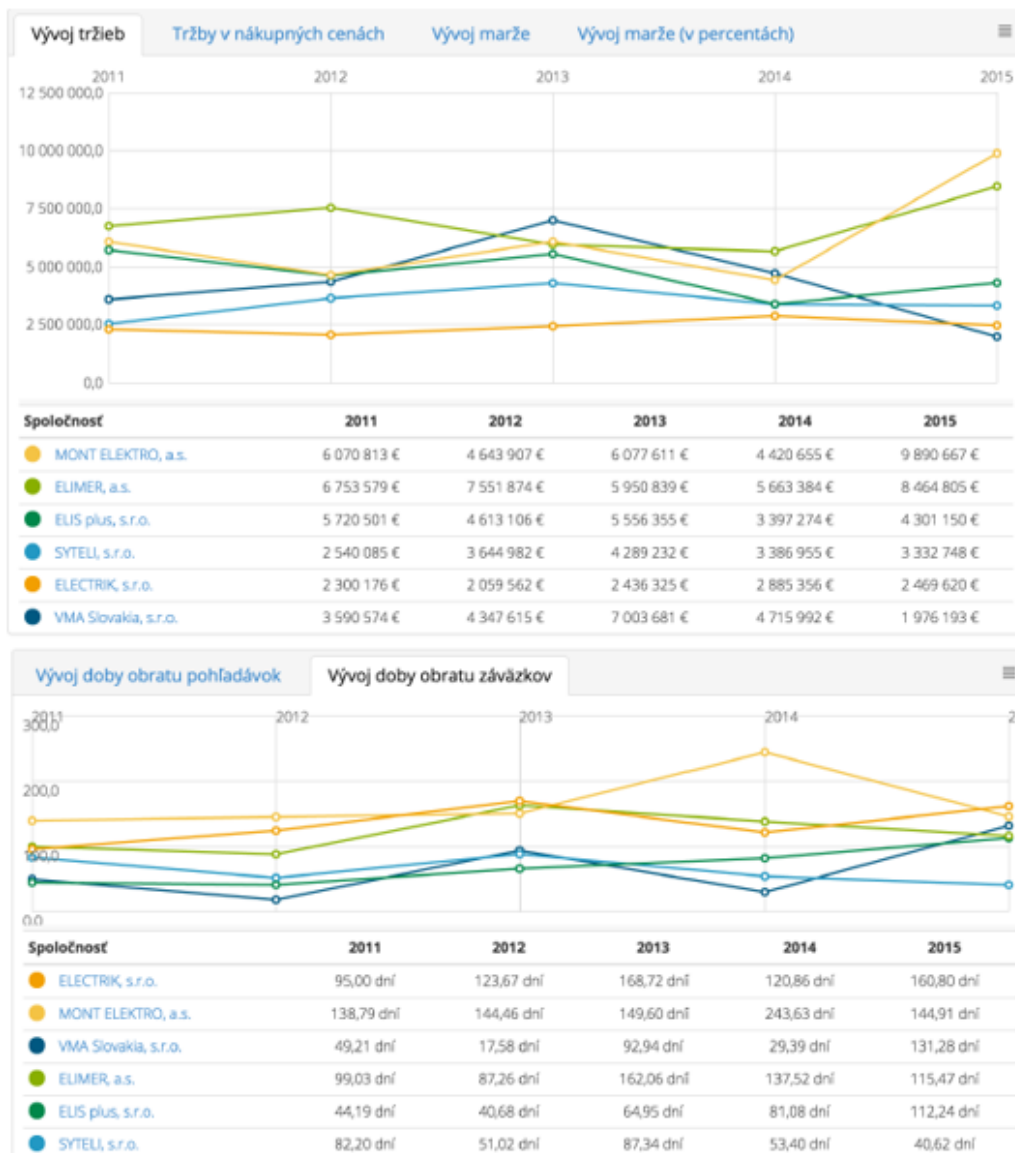
Nájsť osobu

	Spoločnosť	Funkcia	Rok	Tržby a výnosy	Zisk
Ladislav Bašternák, Hodálová 3, Bratislava					
-	✗ Konto invest s.r.o.	spoločník 100% (minulý), konateľ (minulý)			
D	✓ PROFI BETÓN, s.r.o.	spoločník 70% (minulý), konateľ (minulý)	2014	675 931 €	-189 913 €
E	✗ International Investment Hotels Holding a. s.	predseda dozornej rady (minulý)	2015	484 393 €	3 666 472 €
E	✗ International Investment Development Holding a. s.	člen dozornej rady (minulý)	2015	863 €	-9 890 €
E	✓ BALAX s.r.o.	spoločník 100% (súčasný), konateľ (súčasný)	2014	715 050 €	-56 553 €
FX	✗ ESTRIN s.r.o.	spoločník 100% (minulý), konateľ (minulý)	2015	82 527 €	-33 415 €
-	✗ PODKOLIBSKÁ, s.r.o. v likvidácii (zrušená)	spoločník 40% (minulý), konateľ (minulý)			
-	✗ BS-FIN spol. s r.o. v likvidácii (zrušená)	spoločník 100% (minulý)			
B	✗ B.A. Haus a. s.	člen predstavenstva (minulý)	2015	292 765 €	125 291 €
E	✗ FORUM GROUP TWO, a. s.	člen predstavenstva (súčasný)	2015	0 €	-1 044 €
N	✓ FULKRUM, s. r. o.	spoločník 30% (minulý), konateľ (minulý)	2009	34 €	-5 589 €

Source: Own processing.

Through the comparison with the competition we can obtain information about the development of incomes and profits, development of margin, the turnover period of liabilities and assets, profitability, liquidity, indebtedness. These comparisons are shown in Figure 12.

Figure 12: The comparison of the basic economic indicators with competition in application IndexPodnikateľa



Source: Own processing.

With this application the company may also find new customers with the following information:

- websites, e-mails, phone contacts,
- filtering by company's legal form,
- filtering by residence (region, district, city),
- filtering by industry,
- search only uncontroversial companies,
- many other filters.

Conclusion

We can point out in the conclusion that none of these applications does not have its version in English. FinStat application provides more information for free than IndexPodnikateľa. In the FinStat application we can obtain free of charge information on sales, profits, incomes, assets, equity capital, gross margin, return of assets and the total debt of the observed company. But on the contrary in the application IndexPodnikateľa we can receive information only about the development of sales and earnings. Both applications provide basic information about the establishment of the company, its field of business, registration number and information on whether the company has any debts and arrears. We can find the difference between applications also in filtering capabilities of searching information. This service is charged in the application IndexPodnikateľa. However, we must point out that IndexPodnikateľa offers to its potential clients free access for 14 days to paid services.

The use of open data in corporate activities has got ascending tendency. If you want to carry business in the EU market, the portal European Union Open Data Portal is a very good source of information. To do business locally, it is advisable to find a data source in the country. In the SR is suitable for this purpose portal IndexPodnikateľa. By providing easy and free access to data, the portal aims to promote their innovative use and unleash their economic potential.

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