

# Управление данными

Хранилища данных.  
Открытые лицензии.  
Публикация открытых данных

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# Хранилища данных

Типа хранилищ данных:

- \* локальные хранилища
- \* облачные хранилища



# Локальные хранилища

-  Ноутбук
-  Десктоп
-  USB-винчестер
-  Смартфон (польза и вред)



# Облачные хранилища

- DropBox, OneDrive, Яндекс.Диск, ...
- Хостинги
- Смартфон (польза и вред)
- Платформы открытых данных



# Открытые лицензии

Открытые лицензии строго необходимы при публикации  
открытых данных



# Примеры открытых лицензий

- GitHub — посмотрим, что там
- ODbL — <http://opendatahandbook.org/glossary/en/terms/odbl/>
- Creative Commons — <https://creativecommons.org/choose/>



# ODbL — Open Database License

## Open Database License

From Wikipedia, the free encyclopedia

The **Open Database License (ODbL)** is a [copyleft](#) ("share alike") [license](#) agreement intended to allow users to freely share, modify, and use a [database](#) while maintaining this same freedom for others.<sup>[2]</sup>

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The ODbL was created with the goal of allowing users to share their data freely without worrying about problems relating to copyright or ownership. It allows users to make free use of the data in the database without worrying about copyright of the creators, and add to the data or use in other databases. The license establishes the rights of users of the database, as well as the correct procedure for attributing credit where credit is due for the data, and how to make changes or improvements in the data, thus simplifying the sharing and comparison of data. Users no longer need to worry of repercussions of violations of copyright law or stolen information when using an Open Database License.

<http://opendatahandbook.org/glossary/en/terms/odbl/>



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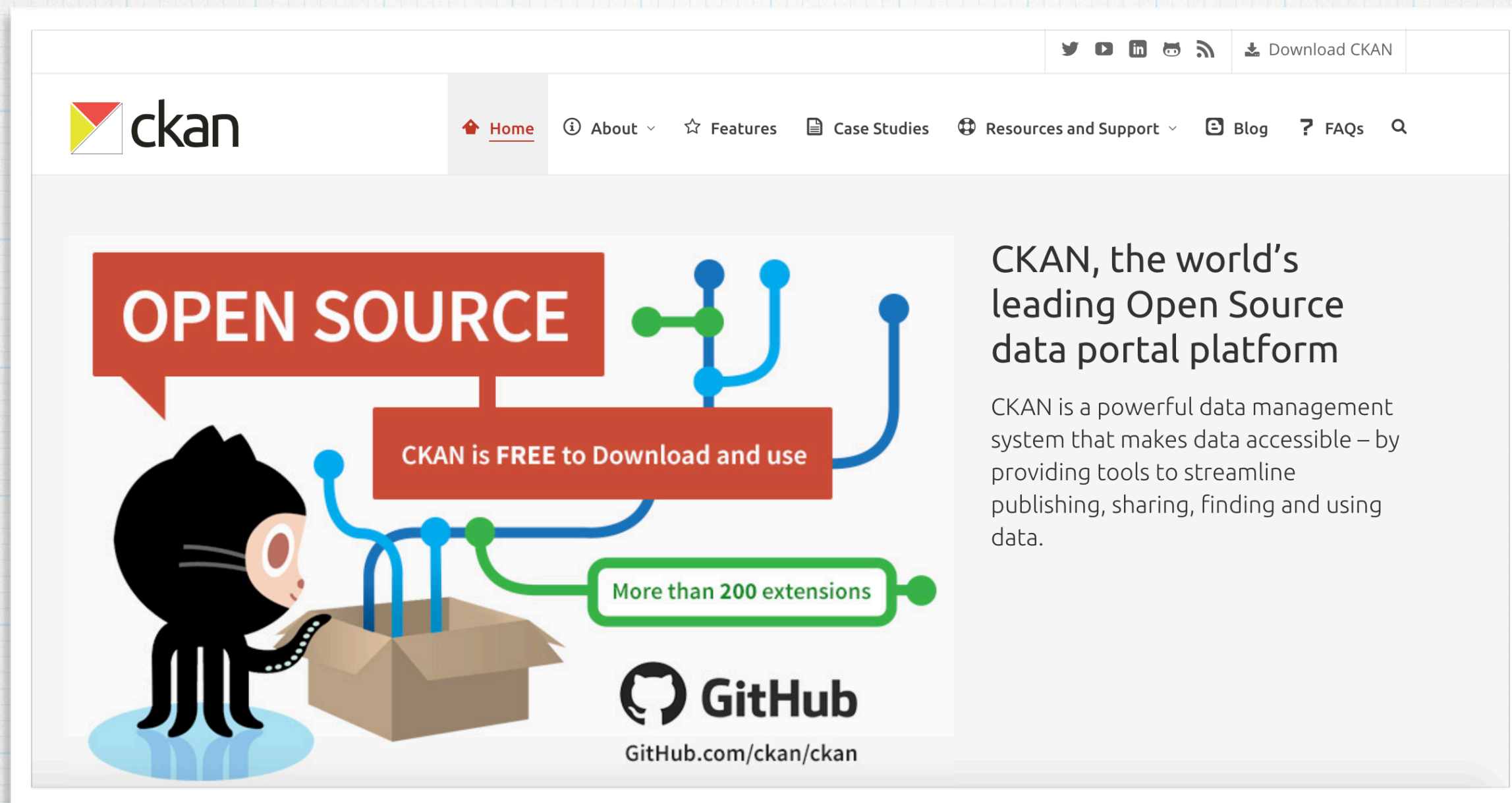
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# Публикация открытых данных



The image shows a screenshot of the CKAN website homepage. At the top, there is a navigation bar with social media icons (Twitter, YouTube, LinkedIn, GitHub, RSS) and a 'Download CKAN' button. Below this is the CKAN logo and a main navigation menu with links: Home, About, Features, Case Studies, Resources and Support, Blog, and FAQs. The main content area features a large illustration of a black cat-like character (resembling a cat) looking into an open cardboard box. Several blue lines connect the box to various text boxes: 'OPEN SOURCE' (in a red speech bubble), 'CKAN is FREE to Download and use' (in a red box), and 'More than 200 extensions' (in a green box). To the right of the illustration, there is a text block describing CKAN as the world's leading Open Source data portal platform, followed by a paragraph explaining its purpose as a powerful data management system. At the bottom of the illustration, the GitHub logo and the URL 'GitHub.com/ckan/ckan' are displayed.

ckan

Home About Features Case Studies Resources and Support Blog FAQs

OPEN SOURCE

CKAN is FREE to Download and use

More than 200 extensions

CKAN, the world's leading Open Source data portal platform

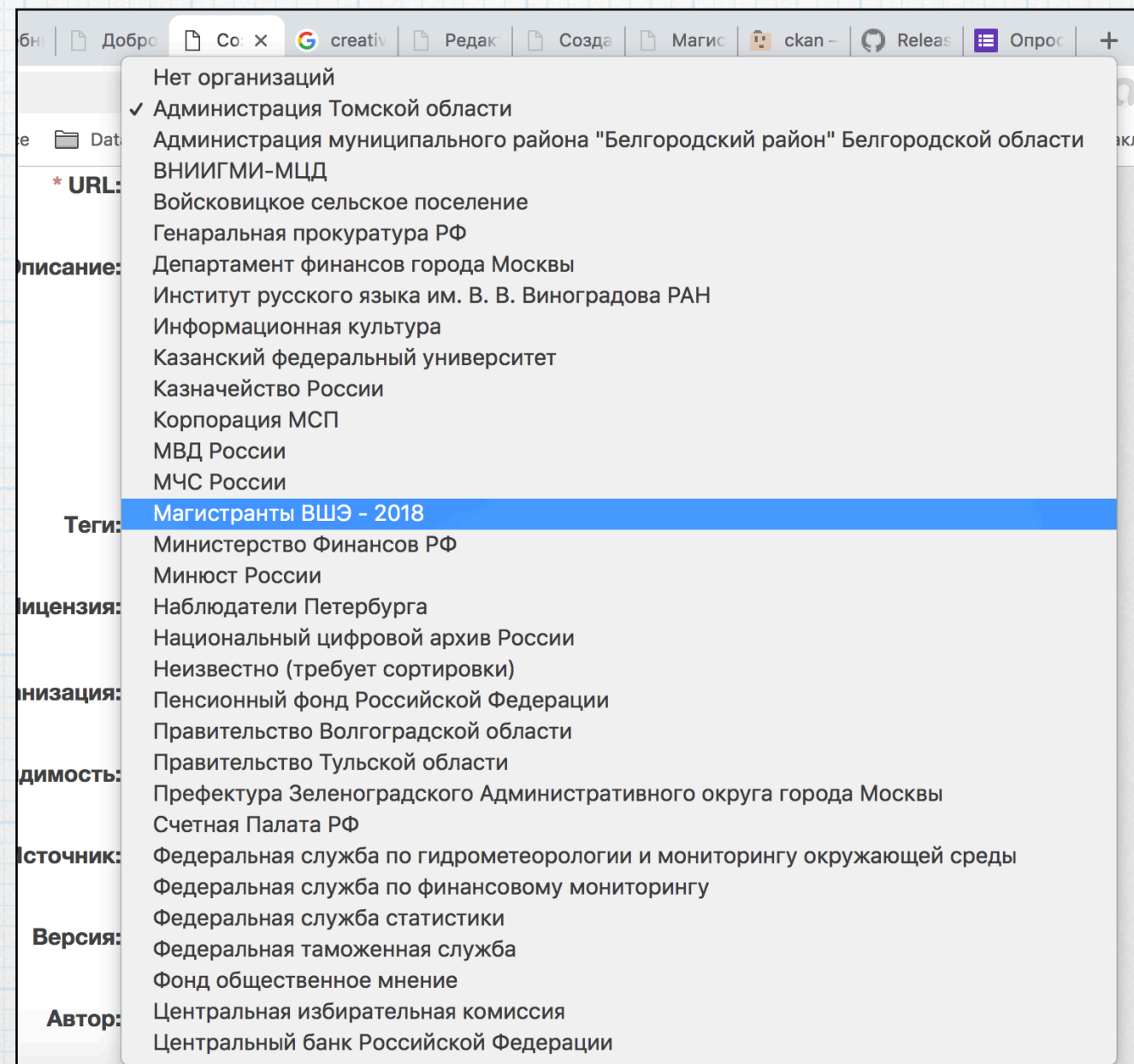
CKAN is a powerful data management system that makes data accessible – by providing tools to streamline publishing, sharing, finding and using data.

GitHub  
GitHub.com/ckan/ckan

<https://ckan.org/>



# Публикуем наши открытые данные на Hub Of Data



The screenshot shows a web browser window with a form for creating a new dataset on the 'Hub Of Data' platform. The form has several fields: 'URL', 'Описание:', 'Теги:', 'Лицензия:', 'Организация:', 'Видимость:', 'Источник:', 'Версия:', and 'Автор:'. A dropdown menu is open, displaying a list of Russian government and institutional entities. The option 'Магистранты ВШЭ - 2018' is highlighted in blue.

Field	Value
URL	
Описание:	
Теги:	Магистранты ВШЭ - 2018
Лицензия:	
Организация:	
Видимость:	
Источник:	
Версия:	
Автор:	

<https://hubofdata.ru/dataset/new>