



SDGEE

Research Unit of Soil Dynamics and Geotechnical Earthquake Engineering



ARISTOTLE UNIVERSITY
OF THESSALONIKI
GREECE

Open Data for Resilience Index Balkan Countries

Stella Karafagka

Researcher, Multi-hazard Risk Consultant

stellak@civil.auth.gr



GFDRR

Global Facility for Disaster Reduction and Recovery

OPEN DATA FOR RESILIENCE INDEX



[Submit a dataset](#) [Explore locations](#) [Documentation](#) [About](#)

TRACKING OPEN DATA FOR DISASTER RISK MANAGEMENT

A collaborative and global assessment of availability and ease of use of data related to natural hazards

466
datasets

29.6%
open data

30
locations

[Submit a dataset](#)

[Explore locations](#)

HOW TO SUBMIT A DATASET

Dataset

Country

Please select the country the dataset refers to.

-- Select country --

Dataset

Please select the dataset you want to submit. You can filter the list of datasets per category.

Base data

Hazard

Exposure

Vulnerability

Risk

-- Select dataset --

Description

Datasets elements

** Select a dataset description **

HOW TO SUBMIT A DATASET

Dataset

Country

Please select the country the dataset refers to.

Serbia

Dataset

Please select the dataset you want to submit. You can filter the list of datasets per category.

Base data

Hazard

Exposure

Vulnerability

Risk

Seismic hazard model

Description

A probabilistic seismic hazard model describing the seismogenic sources in the country and the ground motion prediction equations that should be used. This model can be used to compute seismic hazard curves and maps.

Datasets elements

Please indicate whether the dataset was collected for or refers to specific hazards.

River flooding

Coastal flooding

Tsunami

Cyclone

✓Earthquake

Landslide

Water scarcity

Volcano

HOW TO SUBMIT A DATASET

Open data criteria

The following questions will help to determine the openness of the dataset.



Does the data exist? ⓘ

YES

NO

If yes, name of the agency of organization that collects the data



Is the data available in digital form? ⓘ

YES

NO



Is the data publicly available? ⓘ

YES

NO



Is the data available online? ⓘ

YES

NO

If yes, add url(s) where to find the data

[+ Add Link](#)



Is the metadata available online? ⓘ

YES

NO

If yes, add url(s) where to find the metadata

[+ Add Link](#)

> Link list for data & metadata



Is the data available in bulk? ⓘ

YES

NO



Is the data machine-readable? ⓘ

YES

NO

Format(s) the data is available in (json, csv, xls, shp, etc.)



Is the data available for free? ⓘ

YES

NO



Is the data openly licensed? ⓘ

YES

NO

Url or name of the license

HOW TO SUBMIT A DATASET



Is the data openly licensed? 

YES

NO

Url or name of the license



Is the data provided on a timely and up to date basis? 

YES

NO

Date of last update (dd/mm/yyyy)

Additional information

Please use the text box below to add any useful information with regard to access and use of the dataset, as well as title of the dataset, if any.

Notes

Submit dataset

A joint effort by:



Open Data for
Resilience Initiative



Understanding
Risk

Supported by:



GFDRR
Global Facility for Disaster Reduction and Recovery

[Submit a dataset](#) [Explore locations](#) [Documentation](#) [About](#) [Get the data](#)

Information on this website is crowdsourced. Results can be incomplete and should always be read carefully as well as sources checked.

© 2018 - Copyright Open Data for Resilience Index - Privacy Policy

CURRENT RESULTS FOR BALKAN COUNTRIES

Location	Score (more details)	Datasets submitted	Open data
Slovenia	46.0%	24	14
Greece	41.7%	28	5
Serbia	41.7%	24	3
Bulgaria	39.2%	25	4
Italy	39.0%	19	10
Albania	37.2%	25	2
Romania	33.9%	20	4
Croatia	31.1%	20	2
Macedonia	25.7%	18	2
Bosnia and Herzegovina	21.7%	18	2
Montenegro	21.5%	17	2
Turkey	20.0%	15	2

CATEGORIES - HAZARDS



BASE DATA



HAZARD



EXPOSURE



VULNERABILITY



RISK



COASTAL FLOODING



CYCLONE



EARTHQUAKE



LANDSLIDE



RIVER FLOODING



TSUNAMI



VOLCANO



WATER SCARCITY

COUNTRIES COMPARISON



Datasets considered: **13**

Location	Score (more details)	Datasets submitted	Open data
Serbia	38.8%	9	1
Greece	37.3%	11	2
Bulgaria	36.5%	10	1
Italy	35.4%	7	3
Albania	29.2%	8	1
Slovenia	27.3%	9	3
Macedonia	26.5%	7	1
Romania	25.4%	7	0
Bosnia and Herzegovina	19.6%	7	1
Montenegro	19.6%	7	1
Croatia	15.4%	6	1
Turkey	15.4%	5	1

COUNTRIES COMPARISON



BASE DATA



HAZARD



EXPOSURE



VULNERABILITY



RISK



COASTAL FLOODING



CYCLONE



EARTHQUAKE



LANDSLIDE



RIVER FLOODING



TSUNAMI



VOLCANO



WATER SCARCITY

Datasets considered: **24**

Location	Score (more details)	Datasets submitted	Open data
Slovenia	54.2%	16	11
Serbia	50.6%	18	3
Italy	48.3%	15	8
Bulgaria	44.6%	16	3
Greece	44.6%	19	4
Albania	44.0%	18	2
Croatia	42.9%	15	2
Romania	41.7%	15	4
Macedonia	31.0%	13	2
Bosnia and Herzegovina	28.8%	13	2
Montenegro	28.5%	13	2
Turkey	26.2%	11	2

OPEN DATA CRITERIA



- Does the data exist?
- Is the data available in digital form?
- Is the data available online?
- Is the metadata available online?
- Is the data available in bulk?
- Is the data machine-readable?
- Is the data publicly available?
- Is the data available for free?
- Is the data openly licensed?
- Is the data provided in a timely and up to date basis?

DATASETS OPENNESS

SERBIA



BASE DATA



HAZARD



EXPOSURE



VULNERABILITY



RISK



RIVER FLOODING



EARTHQUAKE



VOLCANO



CYCLONE



COASTAL FLOODING



WATER SCARCITY



LANDSLIDE



TSUNAMI

Score:

41.7%

Datasets submitted: 24

Open data: 3

Show: [Submitted](#), [Not submitted](#), [All](#)

Dataset	Open data criteria	See details or submit your dataset
Active seismic fault	        	Q
Land cover	        	Q
Topographic map	        	Q
Administrative boundaries	        	Q
Critical infrastructure	        	Q
Digital elevation model	        	Q
Aerial imagery	        	Q
Flood hazard maps	        	Q
Seismic hazard model	        	Q
Buildings	        	Q
Population	        	Q
Watershed boundaries	        	Q
Flood protection measures	        	Q

DATASETS OPENNESS

SLOVENIA



BASE DATA



HAZARD



EXPOSURE



VULNERABILITY



RISK



RIVER FLOODING



EARTHQUAKE



VOLCANO



CYCLONE



COASTAL FLOODING



WATER SCARCITY



LANDSLIDE



TSUNAMI

Score: 46.0%

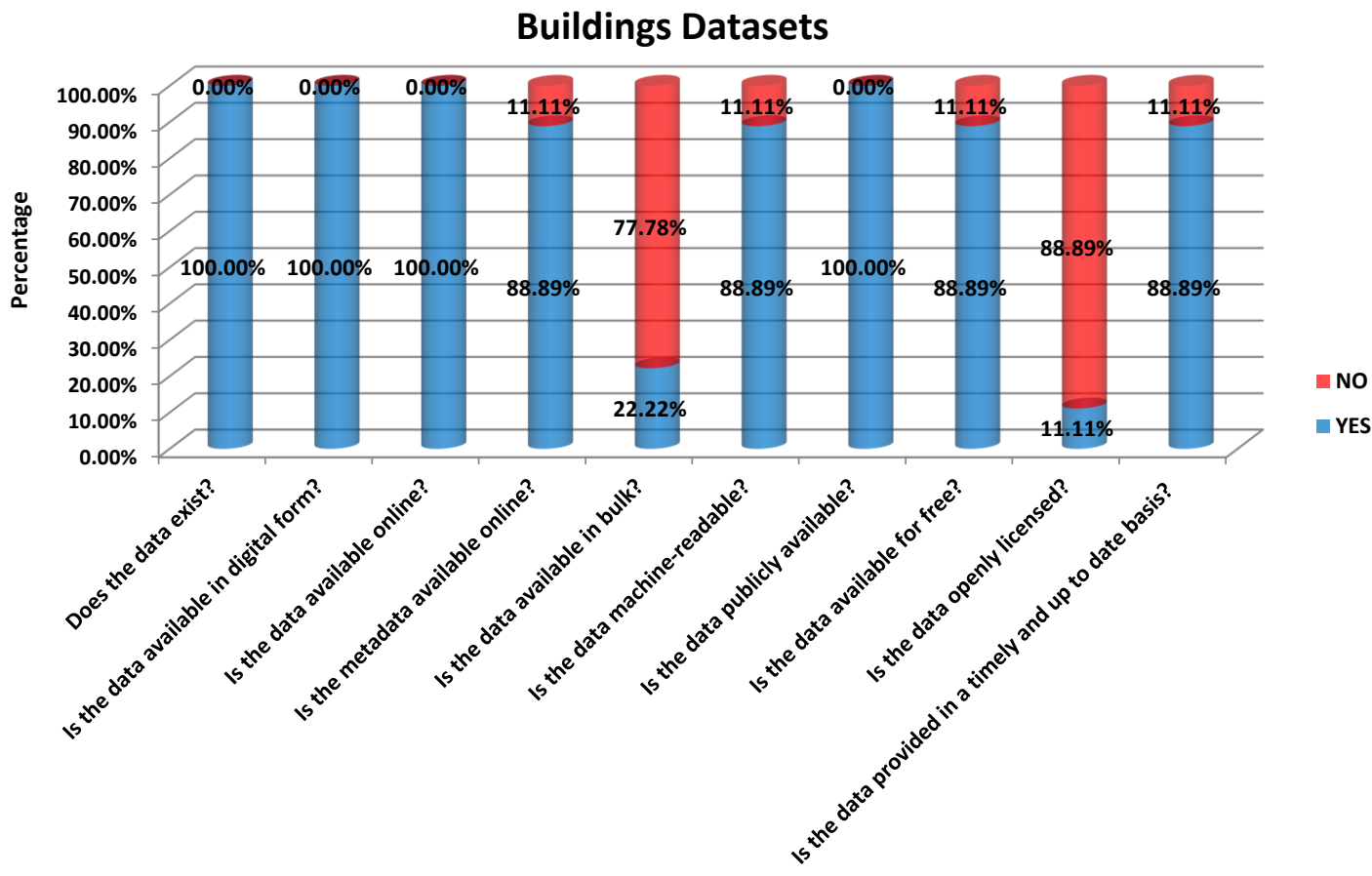
Datasets submitted: 24

Open data: 14

Show: [Submitted](#), [Not submitted](#), [All](#)

Dataset	Open data criteria	See details or submit your dataset
Active seismic fault	         	Q
Administrative boundaries	         	Q
Aerial imagery	         	Q
Agricultural production	         	Q
Buildings	         	Q
Critical infrastructure	         	Q
Digital elevation model	         	Q
Economic activities	         	Q
Land cover	         	Q
Population	         	Q
Topographic map	         	Q
Watershed boundaries	         	Q

BUILDINGS DATASETS



SLOVENIA BUILDING FOOTPRINTS

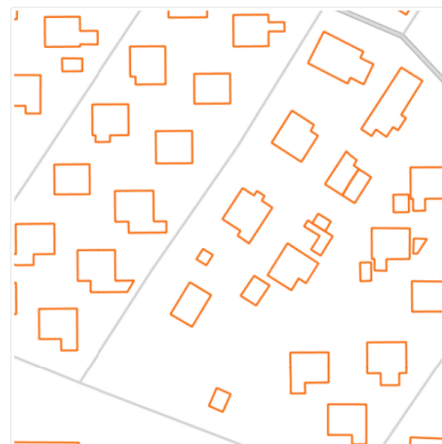
Building Cadastre

Updated: 5 months ago

Identification

Title	Building Cadastre	
Abstract	Building Cadastre is an official national database of buildings. Building Cadastre includes up-to-date information on buildings and parts of buildings. It includes the collection of documentation and information necessary for historical track changes of buildings. The collection of documentation (in analogue and digital form) includes files and other documents, upon which buildings were officially registered. Basic informations kept in the Building Cadastre are: identification number, owner, position, size, actual use, apartment number. The relation to Register of Spatial Units and house numbers is also provided. The Building Cadastre is technically centralized and is connected with other national systems: Land Cadastre, Register of Spatial Units, Land Registry. The registration of building in Building Cadastre is needed prior to registration of its ownership in the Land Registry.	
Hierarchy level	Dataset	
Online resource	Public access to real estate data	Open link
	Spatial Portal	Open link
	Application e-Surveying data for downloading free geodetic data	Open link
Unique resource identifier	• 7fd106c7-fafd-4791-905b-372be07cbc9f	
Codespace	• SI.GURS.KS	
Associated resources	 INSPIRE stavbe WFS WFS storitev za INSPIRE stavbe / Building	Related service
	 INSPIRE stavbe WMS WMS storitev za INSPIRE stavbe / BU Building	Related service

Overview



 Provided by



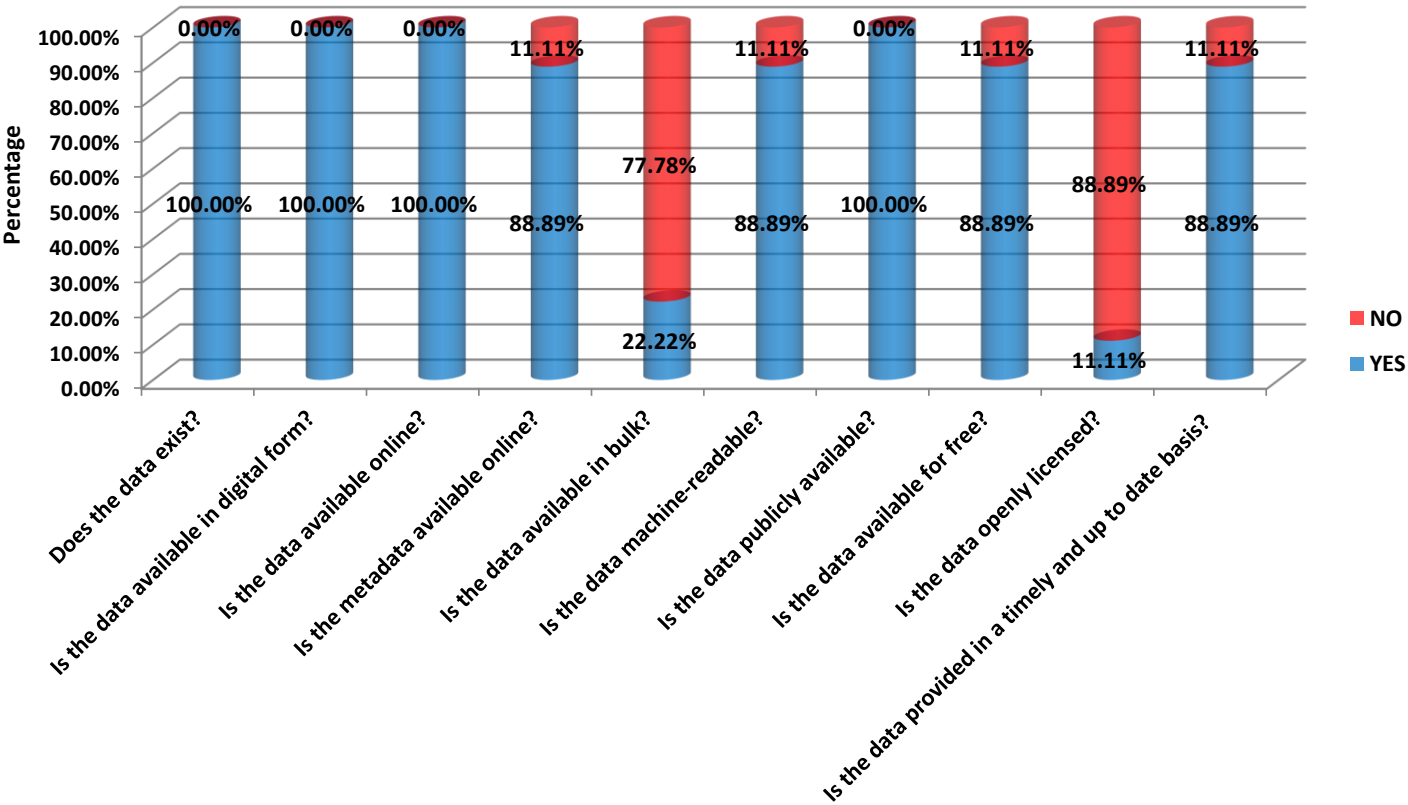
 Share on social sites



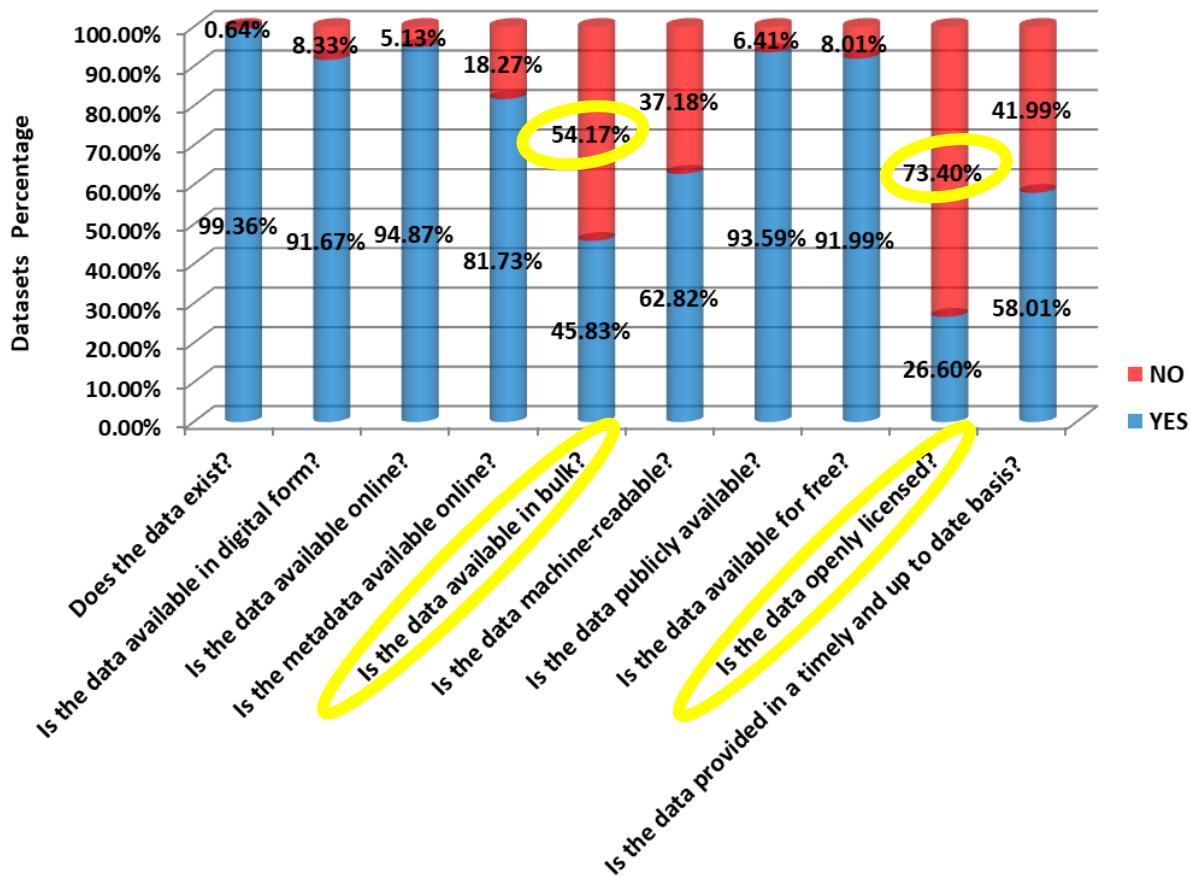
Classification of spatial data and services

METEOROLOGICAL DATA

Meteorological gauge data



RESILIENCE INDEX BALKAN COUNTRIES DATASETS STATISTICS



GLOBAL OR EU DATA SOURCES

- <http://www.geoportal.org/>
- <https://www.europeandataportal.eu/>
- <https://www.preventionweb.net/>
- <http://emergency.copernicus.eu/mapping/search/node/>
- <https://www.eea.europa.eu/data-and-maps/>
- <http://data.euro.who.int/e-atlas/europe/data.html>
- <https://data.jrc.ec.europa.eu/>
- <https://drmkc.jrc.ec.europa.eu/risk-data-hub>
- <http://floods.wri.org/>
- <http://datasets.wri.org/>
- etc.

WHAT CAN YOU DO?

- Contribute to the index
- Share results with DRM and Open Data communities
- Engage with data providers (Government Officials, Academia.)
- Engage with data users (Risk experts, Researchers, etc.)

THESSALONIKI RISK DATA PORTAL



CITY OF THESSALONIKI

Data ▾

Maps

Blog

About ▾

 Search

Register

Sign in

Thessaloniki Risk Data Portal

A catalog of geospatial risk data in order to strengthen the Resilience of Municipality of Thessaloniki

If you have any questions or want to discuss about the platform, join our [Google Group](#).

[Get Started »](#)

Search for Data



Search

[Advanced Search](#)

THESSALONIKI RISK DATA PORTAL



CITY OF THESSALONIKI

Data ▾

Maps

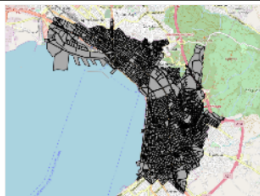
Blog

About ▾

Q Search

Register

Sign in

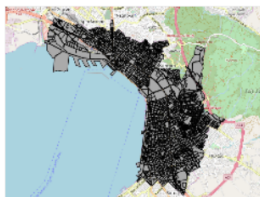


POPULATION

Δεδομένα απογραφής πληθυσμού 2011 ανά οικοδομικό τετράγωνο - Population census data 2011 per block

Μόνιμος πληθυσμός σε επίπεδο οικοδομικού τετραγώνου για τις Δημοτικές ενότητες Θεσσαλονίκης και Τριανδρίας (δεδομένα απογραφής 2011) Resident population per block in Thessaloniki and Triandria (census data 2011) Πηγή: Ελληνική Στατιστική Αρχή Data source: Hellenic Statistical Authority <http://...>

stellak 30 Oct 2017 80 0 0
Create a Map

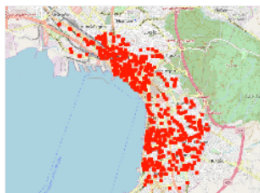


HOUSING AND DEVELOPMENT

Δεδομένα απογραφής κτιρίων 2011 ανά οικοδομικό τετράγωνο - Buildings census data 2011 per block

Αριθμός κτιρίων και χαρακτηριστικά τους, σχετικά με τον αριθμό ορόφων και κατοικιών που διαθέτουν, τη χρήση, την περίοδο και τα υλικά κατασκευής τους, την ύπαρξη ή όχι πυλότητας, το είδος οροφής και τον φορέα ιδιοκτησίας τους, σε επίπεδο οικοδομικού τετραγώνου για τις Δημοτικές ενότητες Θεσσαλονίκης κ...

stellak 30 Oct 2017 30 0 0
Create a Map



ENVIRONMENT

Βλάβες από βροχοπτώσεις - Rainfall damages

Βλάβες από βροχοπτώσεις στην Θεσσαλονίκη Rainfall damages in Thessaloniki Πηγή - Data source: Εταιρία Ύδρευσης & Αποχέτευσης Θεσσαλονίκης Α.Ε. (ΕΥΑΘ) - Τμήμα Γεωχωρικών Πληροφοριών Thessaloniki Water Supply & Sewerage Company SA (EYATH) - GIS Department



THESSALONIKI RISK DATA PORTAL CONTRIBUTORS



GFDRR
Global Facility for Disaster Reduction and Recovery



WORLD BANK GROUP



SDGEE

Research Unit of Soil Dynamics and Geotechnical Earthquake Engineering



OPEN
KNOWLEDGE
GREECE



Ινστιτούτο Βιώσιμης Κινητικότητας
και Δικτύων Μεταφορών (I.MET.)

EOFARM

**Please help us track open data for DRM
in the Balkans on index.opendri.org**



Open Data for Resilience Index

Explore. Catalogue.
Collaborate.

A tool to identify and assess
open data for disaster risk
management.



Existing



Digital



Online



Metadata
access



In bulk



Machine-
readable



Publicly
available



Free



Open
license



Up to
date

index.opendri.org