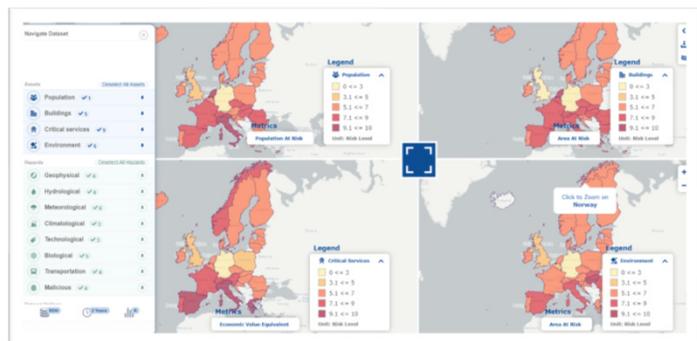


## Risk Data Hub, JRC Disaster Risk Management Unit – Primer on the User Corner



... Risk Data Hub, "just a template ...a call for collaboration"

Risk Data Hub Workshop



# CONTENT



- Risk Data Hub – Structure and User Corner
- How can I have credentials for User Corner?
- How can I have a DRMKC RDH User Corner?
- How does My\_Region look like?
- What are my administrative rights when managing my\_Region?
- What kind of data can I upload on my\_Region?
- How to upload data on my\_Region?
  - How to structure the data in order to upload it on my\_Region?
  - Where to upload data?

## DRMKC RDH -structure

### Data access:

- Risk Analysis
- Disasters loss data
- Data from other projects
- Facts and figures (trends)

### Documentation: Learning Space

### User corner



Risk Data Hub is a GIS web platform of European wide risk data and methodologies for Disaster Risk Assessment.



**Risk Analysis**  
Risk analysis in Map Viewer

**Disaster Loss Data**  
Impacts from past events in Map Viewer

**Facts and Figures - Coming soon!**  
Cross-hazard comparative view of both past and future impacts

**DRM Data from other projects**  
Results of DRM related projects: PESETA IV

**Learning Space**  
Documentation and methodological notes on the DRMKC RDH

**User Corner**  
Restricted area dedicated to authorized user for managing their own data

<https://drmkc.jrc.ec.europa.eu/risk-data-hub/#/>

## □ DRMKC – USER Corner

- **The User Corner:** It serves as a solution for **accessing, storing and managing** disaster risk data.
- It acts like an **empty box** and it is an **alternative to installing** the RDH on own server
- Access is done with **credentials** (user, password trough the ECAS system),
- **Permissions** (management, uplaode, change )are provided by the super User (RDH admin)
- The targeted users of the User Corner are:
  - ✓ **national and sub-national authorities** or any ***other user with needs*** in risk analysis computation (*replicate 'on the fly' the running codes*).
  - ✓ but also European, national and sub-national authorities and institutions/projects with **needs in storing risk data** already computed (*no computational processes further performed*)

# 1. How can I have credentials for User Corner?

The RDH application implements EU login:  
**ECAS\* is used as identity provider**

Create a new user and  
credential window,

1. Access and 2. Credential

\*<https://ecas.ec.europa.eu/cas/eim/external/register.cgi>

The screenshot shows the DRMKC Risk Data Hub website. At the top right, there are logos for the Disaster Risk Management Knowledge Centre and the Risk Data Hub. Below these, there is a navigation bar with a 'Create an account' button circled in red and a 'Login' button. A yellow diamond with the number 1 is placed over the 'Create an account' button. Below the navigation bar is a banner for the 'DRMKC Risk Data Hub Workshop 15 June 2022'. Below the banner is a 'Create an account' form. The form has fields for 'First name', 'Last name', 'E-mail', 'Confirm e-mail', and 'E-mail language'. A yellow diamond with the number 2 is placed over the 'E-mail' field. At the bottom of the form, there is a checkbox for 'By checking this box, you acknowledge that you have read and understood the [privacy statement](#)' and two buttons: 'Create an account' and 'Cancel'.

# 1. How can I have a DRMKC RDH User Corner?

The superuser will associate the user with a region.

1. Add a new region;
2. Give name to the region;
3. Select the region's ID from the dropdown menu (it supports all the level of aggregations mentioned above);
4. Set the Frontend as active; 5. Set the use

Risk Data Hub - Administration  
WELCOME, TIBERIU-EUGEN / VIEW SITE / DOCUMENTATION / CHANGE PASSWORD / LOG OUT

Home > Administrative > Regions

Select region to change 1 ADD REGION +

Action:  Go 0 of 9 selected

PK	NAME
<input type="checkbox"/> 5	Austria
<input type="checkbox"/> 10	Espon

Home > Administrative > Regions > Add region

Add region

Name:  2

Base administrative division:  3

Has frontend 4

Use:  5

RO11001794  
RO11001874  
RO11001936  
RO11002130  
RO11004703  
RO11008300

## 2. How does My\_Region look like?



It can also be a cross-border region

It can be many regions (e.g. many pilot region part of one project )

## 2. How does a My\_Region look like?

### Project/Region's abstract

1. Create an abstract;
2. Access place for the project (defined by Has fronted) ;
3. Access the project and view short description (defined in abstract)

Home / Administrative / Project abstracts / ProjectAbstract object (4)

### Change project abstract

Region: MyRegion

Title: my region title

Description: my region description

Message title: my region message title

Message description: my region message description

Institution: my region institution

Period:

Website:

Delete Save and add another Save and continue editing SAVE

**DRM DATA FROM OTHER PROJECTS**

DRM Data from other projects

Results of DRM related projects: PESETA IV

#### Workshop exercise

Workshop exercise

[Browse data](#)

[Risk analysis](#)

[Disaster loss data](#)

#### Project details

Institution: JRC

Period: 15-06-2022

Website: <https://drmkc.jrc.ec.europa.eu/risk-data-hub#external>



# 3. What are my administrative rights when managing my\_Region?

## Administrative rights assigned to user: Staff user

Role	Description
<b>Superuser</b> (or RDH Administrator)	Manages the platform and can grant privileges to «Staff Members»
<b>Staff User</b> (or Region/Workspace Administrator)	Can access the administrative dashboard and perform actions depending on their <b>permission tier</b>
<b>Active User</b> (or authorized user)	Logged users with view access to projects for which they have authorization.



Select group to change ADD GROUP +

Q  Search

Action: ----- Go 0 of 4 selected

- group
- administrators
- country\_admins
- project\_admins

country_admins	project_admins	user_admins	
Can view administrative division	Can view administrative division	Can add group	Can view assessment through a .ini
Can add asset	Can add asset	Can change group	Can view assessment through a .ini
Can change asset	Can change asset	Can delete group	Can view assessment through a .ini
Can delete asset	Can delete asset	Can view group	Can view assessment through a .ini
Can view asset	Can view asset	Can add User	Can view assessment through a .ini
Can add asset metric indicator	Can add asset metric indicator	Can change User	Can view assessment through a .ini
Can change asset metric indicator	Can change asset metric indicator	Can delete User	Can view assessment through a .ini
Can delete asset metric indicator	Can delete asset metric indicator	Can view User	Can view assessment through a .ini
Can view asset metric indicator	Can view asset metric indicator		Can view assessment through a .ini
Can add hazard	Can add hazard		Can view assessment through a .ini
Can change hazard	Can change hazard		Can view assessment through a .ini
Can delete hazard	Can delete hazard		Can view assessment through a .ini
Can view hazard	Can view hazard		Can view assessment through a .ini
Can add metric	Can add metric		Can view assessment through a .ini
Can change metric	Can change metric		Can view assessment through a .ini
Can delete metric	Can delete metric		Can view assessment through a .ini
Can view metric	Can view metric		Can view assessment through a .ini
Can view access rule	Can add access rule		Can view assessment through a .ini
Can add assessment	Can change access rule		Can view assessment through a .ini
Can change assessment	Can delete access rule		Can view assessment through a .ini
Can delete assessment	Can view access rule		Can view assessment through a .ini
Can view assessment	Can add assessment		Can view assessment through a .ini
Can add Create new Assessment through a .ini descriptor file	Can change assessment		Can view assessment through a .ini
Can change Create new Assessment through a .ini descriptor file	Can delete assessment		Can view assessment through a .ini
	Can view factsheet dataset	Can add import events data from XLSX file	Can view assessment through a .ini
		Can change Import Events Data from XLSX file	Can view assessment through a .ini
		Can delete Import Events Data from XLSX file	Can view assessment through a .ini
		Can view Import Events Data from XLSX file	Can view assessment through a .ini

### 3. What are my administrative rights when managing my\_Region?



#### Risk Data Hub - Administration

Dashboard

Quick links

Return to site Change password Log out

Administrative

- Hazards + Add Change
- Assets + Add Change
- Administrative Divisions Change
- Regions + Add Change
- Project abstracts + Add Change
- Metrics + Add Change
- Point of contacts + Add Change
- Sendai targets + Add Change

Assessment Data

- Damage types + Add Change
- Damage Assessments + Add Change
- Assessment metadata + Add Change
- Data providers + Add Change
- Factsheet datasets + Add Change
- Risk data values + Add Change
- Styles + Add Change

Data Upload

- Create new Assessment through a .ini descriptor file + Add Change
- Import Assessment Data from XLSX file + Add Change
- Import Events Data from XLSX file + Add Change
- Import or Update Metadata from XLSX file + Add Change
- Administrative Data: Import from XLSX file + Add Change

**Data management**

**Data upload**

Security

- Access rules + Add Change
- Users + Add Change

**Users management**

Changelog

- Releases + Add Change

Guideline

- Guidelines + Add Change

User Corner Doc

- User Corner Docs + Add Change

**Information and documents management**

Methodology

- Methodologies + Add Change

Partner

- Partners + Add Change

## 4. What kind of data can I upload on my\_Region?

➤ The data uploaded through the User Corner takes the form **tabular data** saved as “.xlsx” file. They refer to disaster risk analysis such as: **risk data** (exposures, vulnerability, hazards, impacts) or **damage and losses**

➤ With the help of the DRMKC RDH administrator, **geospatial layers** (gridded; vector point, line and multi-polygons layers) saved as geojson files can be uploaded as associated information of the analysis saved in the .xlsx files (e.g. a burned area as a polygon can be associated with an impact recorded in the xlsx file).

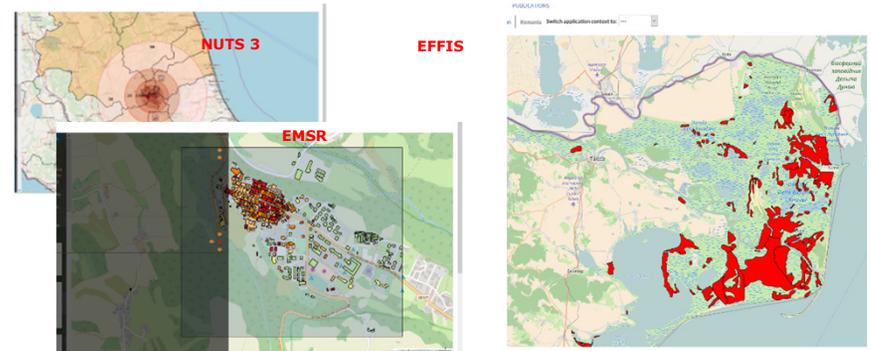
### ▪ Tabular data “.xlsx” file

DIST_CODE	Base	1.5°C	2°C	3°C
AT	278	282	287	269
BE	363	340	339	343
DK	236	239	237	275
FR	27	27	25	22
DE	126	128	142	162
IE	347	324	340	355
LU	169	153	154	142
NL	36	35	32	28
NO	172	173	174	169
FI	2,032	2,080	1,945	1,975
PL	7,660	7,581	7,586	7,502

DIST_CODE	RCP4.5	RCP8.5
BE	0.026708	0.027475
BG	0.008767	0.05571
CY	0.04602	0.211648
DE	0.789595	2.164672
DK	1.13476	2.821652
EE	0.016603	0.066169
ES	0.347722	0.966541

### ▪ Associated information geojson files



# 5. How to upload data on my\_Region?

## Step 1. Prepare the input data in Data Management

Create **hazard** for MyRegion

Risk Data Hub - Administration

Home - Administrative - Hazards - Add hazard

WELCOME, RISK. VIEW SITE / DOCUMENTATION / CHANGE PASSWORD / LOG OUT

**2**

Add hazard

Region: Italy

Mnemonic: EQ

Title: Earthquake

Order: 1

Description: Earthquake

Color: FF0000

Icon class: fa fa-times

Category: Geophysical

ID	MNEMONIC	TITLE	CATEGORY
1	EQ	Earthquake	Geophysical
2	LS	Landslide	Geophysical
3	VO	Volcano	Geophysical
4	TS	Tsunami	Geophysical
5	FL	River flood	Hydrological
6	CF	Coastal flood	Hydrological
7	AV	Avalanche	Hydrological
8	FLSH	Flash flood	Hydrological
9	CW	Cold wave	Meteorological
10	HW	Heat wave	Meteorological
11	HA	Hail	Meteorological
12	LI	Lightning	Meteorological
13	WS	Windstorm	Meteorological
14	EW	Extreme weather	Meteorological
15	DR	Drought	Climatological
16	FF	Wildfire	Climatological
17	SD	Subsidence	Climatological

**3**

Save and add another Save and continue editing SAVE



## Risk Data Hub - Administration

### Dashboard

#### Quick links

[Return to site](#) [Change password](#) [Log out](#)

#### Administrative

- Hazards** [+ Add](#) [Change](#)
  - Assets [+ Add](#) [Change](#)
  - Administrative Divisions [Change](#)
  - Regions [+ Add](#) [Change](#)
  - Project abstracts [+ Add](#) [Change](#)
  - Metrics [+ Add](#) [Change](#)
  - Point of contacts [+ Add](#) [Change](#)
  - Sendal targets [+ Add](#) [Change](#)
- 1**

# 5. How to upload data on my\_Region?

Step 1. Prepare the input data in Data Management

Create **assets** for MyRegion



Risk Data Hub - Administration

Home > Administrative > Assets > Add asset

WELCOME, RISK VIEW SITE / DOCUMENTATION / CHANGE PASSWORD / LOG OUT

Add asset

Region: Italy

Name: population

Title: Population

Description: Population

Fa icon:

Color: FF0000

Category: Population

ID	NAME	TITLE	CATEGORY
1	population	Population	Population
2	roads	Roads	Critical services
3	railways	Railways	Critical services
4	energy	Energy	Critical services
5	water_supply	Public water supply	Critical services
6	health_facilities	Health facilities	Critical services
7	education_facilities	Education	Critical services
8	fire_departments	Fire departments	Critical services
9	police_departments	Police departments	Critical services
10	other_critical_service	Others	Critical services
11	residential_buildings	Residential	Buildings
12	commercial_buildings	Commercial	Buildings
13	industrial_buildings	Industrial	Buildings
14	cultural_heritage	Cultural heritage	Buildings
15	administrative_buildings	Administrative	Buildings
16	agriculture	Agriculture	Environment

Save and add another Save and continue editing SAVE

Risk Data Hub - Administration

Dashboard

Quick links

Return to site Change password Log out

Administrative

Hazards

Assets

Administrative Divisions

Regions

Project abstracts

Metrics

Point of contacts

Sendai targets

# 5. How to upload data on my\_Region?

Step 1. Prepare the input data in Data Management

Create **metrics** for MyRegion



Risk Data Hub - Administration

Home > Administrative > Metrics > Add metric

Add metric

Region: Italy

Name: economic\_impact

Title: Economic impact

Unit of measure: GDP (%)

ID	NAME	TITLE	UNIT OF MEASURE
29	area_affected	Area Affected	Km2
28	population_at_risk	Population at risk	People
27	economic_impact	Economic Impact	GDP (%)
26	population_fatalities	Population Fatalities	People / 100000 Population
25	area_affected	Area affected	Km2
24	population_exposed	Population Exposed	People
23	economic_impact	Economic Impact	Min EUR
22	roads_exposed	Roads exposed	Exposure level
21	population_exposed	Population exposed	People

ASSET METRIC INDICATORS

ASSET	SENDAI INDICATOR	ADMINISTRATIVE DATA	DELETE?
commercial_buildings (Italy)	C-3	GDP	
residential_buildings (Italy)	C-4	GDP	

+ Add another Asset metric indicator

Save and add another | Save and continue editing | SAVE

Risk Data Hub - Administration

Dashboard

Quick links

Return to site | Change password | Log out

Administrative

- Hazards + Add Change
- Assets + Add Change
- Administrative Divisions Change
- Regions + Add Change
- Project abstracts + Add Change
- Metrics + Add Change
- Point of contacts + Add Change
- Sendai targets + Add Change

# 5. How to upload data on my\_Region?

## Step 1. Prepare the input data in Data Management



Home > Administrative > Hazards

Select hazard to change

Action:   0 of 3 selected

<input type="checkbox"/>	ID	MNEMONIC	TITLE	CATEGORY	REGION
<input type="checkbox"/>	49	EQ	Earthquake	Geophysical	Italy
<input type="checkbox"/>	50	FL	River Flood	Hydrological	Italy
<input type="checkbox"/>	51	LS	Landslide	Geophysical	Italy

3 Hazards

Home > Administrative > Assets

Select asset to change

Action:   0 of 3 selected

<input type="checkbox"/>	ID	NAME	TITLE	CATEGORY	REGION
<input type="checkbox"/>	38	commercial_buildings	Commercial Buildings	Buildings	Italy
<input type="checkbox"/>	39	population	Population	Population	Italy
<input type="checkbox"/>	37	residential_buildings	Residential Buildings	Buildings	Italy

3 assets

Risk Evaluation interface showing a map of Europe with a 'FIND DATA' button. Two dropdown menus are open: 'Assets' and 'Hazards'. The 'Assets' menu lists Buildings, Administrative, Commercial, Cultural heritage, and Industrial. The 'Hazards' menu lists Geophysical, Earthquake, Landslide, Tsunami, and Volcano.

Home > Administrative > Metrics

Select metric to change

Action:   0 of 4 selected

<input type="checkbox"/>	ID	NAME	TITLE	UNIT OF MEASURE	REGION
<input type="checkbox"/>	29	area_affected	Area Affected	Km2	Italy
<input type="checkbox"/>	28	population_at_risk	Population at risk	People	Italy
<input type="checkbox"/>	27	economic_impact	Economic Impact	GDP (%)	Italy
<input type="checkbox"/>	26	population_fatalities	Population Fatalities	People / 100000 Population	Italy

4 metrics

## 5. How to upload data on my\_Region?



### Step 2. Prepare the xlsx files and .ini file

The data upload on the DRMKC RDH User Corner portal requires two main actions from the user:

- Declaration of the .ini file according to the templates
- Preparation of the data in a .xlsx file according to the templates

#### ▪ Disaster Loss and damage data as as “.xlsx” file

The .ini file is not necessary when uploading **disaster loss and damage data**

The .ini file is a configuration file for the web application that consists of a text-based content which define the structure of the data, comprising key-value pairs for properties, and sections that organize the properties.

- Risk analysis data as “.xlsx” file
- Risk analysis data as “.ini” file

The .ini file is necessary when uploading **risk data** (exposure, risk, vulnerability, projections etc.)

## 2. How to structure the data in order to upload it on my\_Region?

### Step 2. Prepare the xlsx files

- Disaster Loss and damage data “.xlsx” file

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
1	Event_Cc	Adm_Coc	Year	Begin_Date	End_Date	Value_Ever	Phenomenon_Beg	Phenomenon_En	Value_Pher	Hazard	Asset	Metric	Currency	Adjusted	Data_Sou	Data_Sou I
2		ITI21	1997	1997-09-26	1997-09-26					EQ	population	population_fatal	Local		NOAA	NOAA_ID:3
3		ITI21	1997	1997-09-26	1997-09-26	14				EQ	population	population_fatalities			NOAA	NOAA_ID:3
4		ITI21	1998	1998-04-03	1998-04-03					EQ	population	population_fatalities			NOAA	NOAA_ID:3
5		ITG12	2002	2002-09-06	2002-09-06	2				EQ	population	population_fatalities			NOAA	NOAA_ID:3
6		ITG17	2002	2002-10-29	2002-10-29					EQ	population	population_fatalities			NOAA	NOAA_ID:3
7		ITF22	2002	2002-10-31	2002-10-31	29				EQ	population	population_fatalities			NOAA	NOAA_ID:3
8		ITU58	2002	2002-01-26	2002-01-26					EQ	population	population_fatalities			NOAA	NOAA_ID:3

- Risk analysis as “.xlsx” file

	A	B	C	D	E	F
1	HRpcod	250	475	975	1500	
2	AT20101	28077.23	28232.35	28232.35	28232.35	
3	AT20201	17502.18	17502.18	17502.18	17502.18	
4	AT20302	362.8616	362.8616	362.8616	362.8616	
5	AT20305	1796.041	1796.041	1796.041	1796.041	
6	AT20306	685.7653	685.7653	685.7653	685.7653	
7	AT20307	1014.392	1014.392	1014.392	1014.392	
8	AT20316	477.0085	477.0085	477.0085	477.0085	
9	AT20320	396.6372	396.6372	396.6372	396.6372	
10	AT20321	223.5986	223.5986	223.5986	223.5986	
11	AT20402	2222.518	2222.518	2222.518	2222.518	
12	AT20403	736.7126	736.7126	736.7126	736.7126	
13	AT20405	2123.095	2123.095	2123.095	2123.095	
14	AT20409	825.2579	825.2579	825.2579	825.2579	
15	AT20412	694.6006	694.6006	694.6006	694.6006	
16	AT20414	827.8661	827.8661	827.8661	827.8661	
17	AT20415	985.0280	985.0280	985.0280	985.0280	
	Total	City_Centre	Rural	Urban		

DIM2 (Y axis, point #17) defined in the ini file.

Examples:

	A	B	C	D	E
1	DIST_CODE	Light	Moderate	Heavy	
2	AT	44.77349	1.94082	0	
3	AT10101	0.62062	0	0	
4	AT10303	0.03585	0	0	
5	AT10305	0.006929	0	0	
6	AT10308	0.049457	0	0	
7	AT10315	0.09859	0	0	
	Total	City_centre	Urban	Rural	

	A	B	C	D	E	F
1	id	10	100	200		
2	bld_52	29279.9	29279.9	29279.9		
3	bld_520	0	0	0		
4	bld_1472	0	0	0		
5	bld_2126	0	0	0		
6	bld_2488	0	0	0		
7	bld_3049	0	3267.16	3267.16		
8	bld_3967	0	0	0		
	Residential	Health	Recovery	Education	Leisure	Public Office

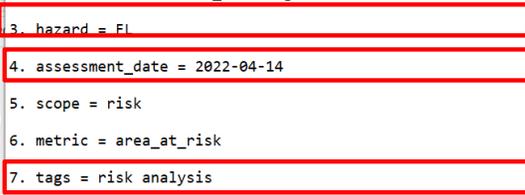
	A	B	C	D	E	F	G
1	DIST_CODE	Base	1.5°C	2°C	3°C		
2	AT	278	282	287	269		
3	BE	363	340	339	343		
4	DK	236	239	237	275		
5	FR	27	27	25	22		
6	DE	126	128	142	162		
7	IE	347	324	340	355		
8	LU	169	153	154	142		
9	NL	36	35	32	28		
10	NO	172	173	174	169		
11	FI	2,032	2,080	1,945	1,975		
12	PL	2,660	2,581	2,596	2,503		
	Base population	Population_2050	Population_2100				

Accessible here: <https://drmkc.jrc.ec.europa.eu/risk-data-hub/#/guidelines>

# 5. How to structure the data for my\_Region?

## Step 3. Prepare the .ini file

```
1. name = FL_exp_Residential_buildup
2. asset = residential_buildings
3. hazard = FL
4. assessment_date = 2022-04-14
5. scope = risk
6. metric = area_at_risk
7. tags = risk analysis
8. related_administrative_data = population
9. data_type = exp
10. parent =
[DIM1]
11. values =
    Total
    City_Cer
    Urban
    Rura
axis = x
[DIM2]
12. values =
    10
    50
    100
    200
    500
axis = y
```



Home > Administrative > Assets

Select asset to change

Action: [dropdown] Go 0 of 3 selected

ID	NAME	TITLE
38	commercial_buildings	Commercial Buildings
39	population	Population
37	residential_buildings	Residential Buildings

3 assets

Risk Evaluation | Exposure to Hazard | Vulnerability

Assets: Select Assets [dropdown]

- Buildings
- Administrative
- Commercial
- Cultural heritage
- Industrial

Hazards: Select Hazards [dropdown]

- Geophysical
  - Earthquake
  - Landslide
  - Tsunami
  - Volcano

[FIND DATA]

Home > Administrative > Metrics

Select metric to change

Action: [dropdown] Go 0 of 4 selected

ID	NAME	TITLE	UNIT OF MEASURE	REGION
29	area_affected	Area Affected	Km2	Italy
28	population_at_risk	Population at risk	People	Italy
27	economic_impact	Economic Impact	GDP (%)	Italy
26	population_fatalities	Population Fatalities	People / 100000 Population	Italy

4 metrics

Home > Administrative > Hazards

Select hazard to change

Action: [dropdown] Go 0 of 3 selected

ID	MNEMONIC	TITLE	CATEGORY	REGION
49	EQ	Earthquake	Geophysical	Italy
50	FL	River Flood	Hydrological	Italy
51	LS	Landslide	Geophysical	Italy

3 Hazards

Legend

- Area not covered by analysis
- 0 <= 3
- 3.1 <= 5
- 5.1 <= 7
- 7.1 <= 9
- 9.1 <= 10

Unit: Risk Level

Dimensions: Scenario: Total

Metrics: Population At Risk

Return Period: 500

# 5. How to structure the data for my\_Region?

## Step 3. Prepare the .ini file

```
1. name = FL_exp_Residential_buildup
2. asset = residential_buildings
3. hazard = FL
4. assessment_date = 2022-04-14
5. scope = risk
6. metric = area_at_risk
7. tags = risk analysis
8. related_administrative_data = population
9. data_type = exp
10 parent =
[DIM1]
11. values =
    Total
    City_Centre
    Urban
    Rura
axis = x
[DIM2]
12. values =
    10
    50
    100
    200
    500
axis = y
```

# 5. Scope. Choose from: risk | disaster loss data | external projects  
scope = risk

**DRM Data from other projects**  
Results of DRM related projects: PESETA IV

**Workshop exercise**  
Workshop exercise  
[Browse data](#)  
[Risk analysis](#)  
[Disaster loss data](#)

**Project details**

Institution: JRC  
Period: 15-06-2022  
Website: <https://drmkc.jrc.ec.europa.eu/risk-data-hub#/external>

# 5. How to structure the data for my\_Region?

## Step 3. Prepare the .ini file

```
1. name = FL_exp_Residential_buildup
2. asset = residential_buildings
3. hazard = FL
4. assessment_date = 2022-04-14
5. scope = risk
6. metric = area_at_risk
7. tags = risk analysis
8. related_administrative_data = population
9. data_type = exp
10 parent =
[DIM1]
11. values =
    Total
    City_Centre
    Urban
    Rura
axis = x
[DIM2]
12. values =
    10
    50
    100
    200
    500
axis = y
```

# 7. Tags | Useful for matching event and risk analysis

tags = risk analysis

# 8. Administrative data. Choose from: population | GDP | commercial built-up | residential built-up | area | electric lines | gas pipelines | education facilities | roads | railways | agricultural areas | protected areas Natura 2000 | protected areas WHS

# Another Administrative data type can be added upon request.

related\_administrative\_data = population

# 9. Data type. Choose from: Exposure (probabilistic) - Use value "exp" | Impact (from ext project) - Use value "imp"



# 5. How to structure the data for my\_Region?

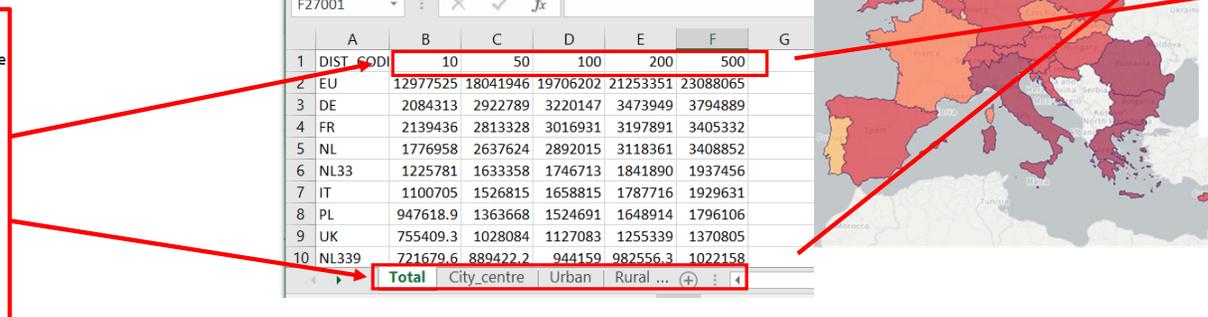
## Step 3. Prepare the .ini file

```

1. name = FL_exp_Residential_buildup
2. asset = residential_buildings
3. hazard = FL
4. assessment_date = 2022-04-14
5. scope = risk
6. metric = area_at_risk
7. tags = risk analysis
8. related_administrative_data = population
9. data_type = exp
10 parent =
[DIM1]
11. values =
    Total
    City_Centre
    Urban
    Rura
axis = x
[DIM2]
12. values =
    10
    50
    100
    200
    500
axis = y
    
```

	A	B	C	D	E	F	G
1	DIST_CODE	10	50	100	200	500	
2	EU	12977525	18041946	19706202	21253351	23088065	
3	DE	2084313	2922789	3220147	3473949	3794889	
4	FR	2139436	2813328	3016931	3197891	3405332	
5	NL	1776958	2637624	2892015	3118361	3408852	
6	NL33	1225781	1633358	1746713	1841890	1937456	
7	IT	1100705	1526815	1658815	1787716	1929631	
8	PL	947618.9	1363668	1524691	1648914	1796106	
9	UK	755409.3	1028084	1127083	1255339	1370805	
10	NL339	721679.6	889422.2	944159	982556.3	1022158	
	<b>Total</b>	City_centre	Urban	Rural ...	(+)	:	<

The screenshot shows the 'Risk Evaluation' interface with a map of Europe. The 'Assets' panel has 'Buildings' selected. The 'Hazards' panel has 'Geophysical' selected. The 'Dimensions' panel shows 'Total' selected for the scenario and '10' for the return period. A legend at the bottom right shows risk levels: 5.1 <= 7 (orange), 7.1 <= 9 (red), and 9.1 <= 10 (dark red). The map shows these risk levels across different regions of Europe.



5.

# Where to upload data on my\_Region?

## ▪ Risk analysis

Data Upload ✕ ▼

- Create new Assessment through a .ini descriptor file + Add Change
- Import Assessment Data from XLSX file + Add Change
- Import Events Data from XLSX file + Add Change

Home › Assessments › Create new Assessment through a .ini descriptor file › Add Create new Assessment through a .ini descriptor file

Add Create new Assessment through a .ini descriptor file

Region:  ▼ ✎ +

Descriptor file:  No file chosen

Save and add another

Save and continue editing

SAVE



```
1. name = FL_exp_Residential_buildup
2. asset = residential_buildings
3. hazard = FL
4. assessment_date = 2022-04-14
5. scope = risk
6. metric = area_at_risk
7. tags = risk analysis
8. related_administrative_data = population
9. data_type = exp
10 parent =
[DIM1]
11. values =
    Total
    City_Centre
    Urban
    Rura
axis = x
[DIM2]
12. values =
    10
    50
    100
    200
    500
axis = y
```

5.

# Where to upload data on my\_Region?

## ▪ Risk analysis



Data Upload

- Create new Assessment through a .ini descriptor file + Add Change
- Import Assessment Data from XLSX file + Add Change
- Import Events Data from XLSX file + Add Change

Home > Assessments > Import Assessment Data from XLSX file > Add Import Assessment Data from XLSX file

### Add Import Assessment Data from XLSX file

Region:  ✎ +

Assessment:  ✎ +

Type of values:  ▼

Clear data  
Warning: if option is checked, all previously inserted values will be deleted!

Data file:  No file chosen

	A	B	C	D	E	F	G
1	DIST_CODI	10	50	100	200	500	
2	EU	12977525	18041946	19706202	21253351	23088065	
3	DE	2084313	2922789	3220147	3473949	3794889	
4	FR	2139436	2813328	3016931	3197891	3405332	
5	NL	1776958	2637624	2892015	3118361	3408852	
6	NL33	1225781	1633358	1746713	1841890	1937456	
7	IT	1100705	1526815	1658815	1787716	1929631	
8	PL	947618.9	1363668	1524691	1648914	1796106	
9	UK	755409.3	1028084	1127083	1255339	1370805	
10	NL339	721679.6	889422.2	944159	982556.3	1022158	
	Total	City_centre	Urban	Rural ...			

5.

# Where to upload data on my\_Region?

- Disaster loss and damage

Data Upload

- Create new Assessment through a .ini descriptor file + Add Change
- Import Assessment Data from XLSX file + Add Change
- Import Events Data from XLSX file + Add Change



Home > Assessments > Import Events Data from XLSX file > Add Import Events Data from XLSX file

### Add Import Events Data from XLSX file

Region:  + -

Type of values:

Calculate relative values  
This is valid only if input data are of type absolute

Event creation:

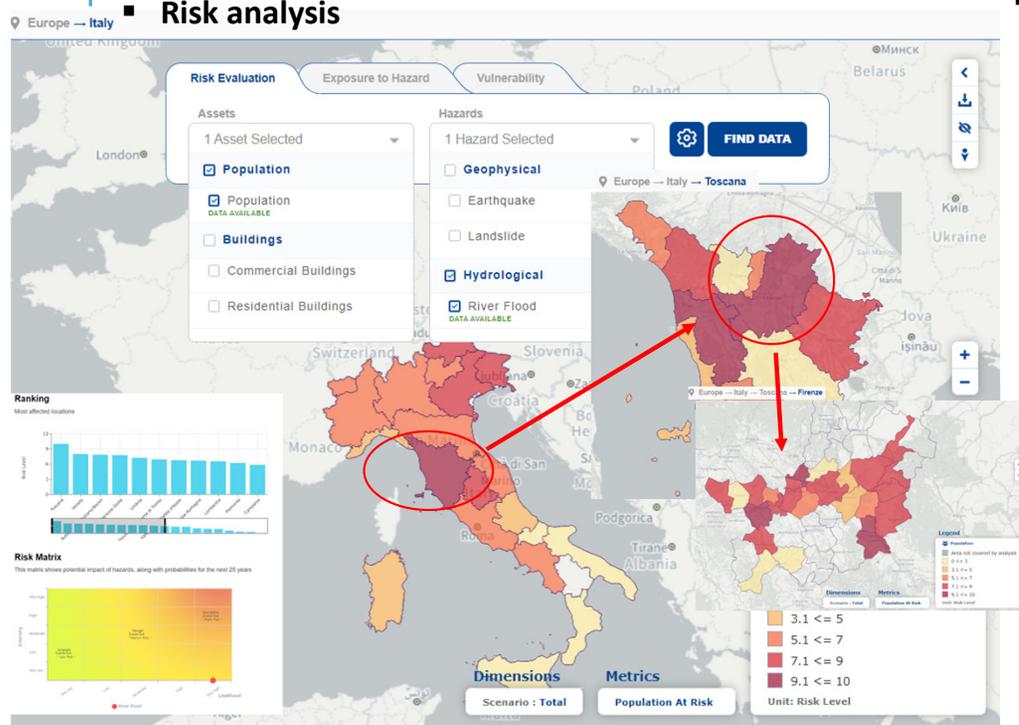
Data file:

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
1	Event_Cc	Adm_Coc	Year	Begin_Date	End_Date	Value_Even	Phenomenon_Beg	Phenomenon_End	Value_Pher	Hazard	Asset	Metric	Currency	Adjusted	Data_Sou	Data_Sou1
2	ITI21		1997	1997-09-26	1997-09-26					EQ	population	population_fatal	Local		NOAA	NOAA_ID:3
3	ITI21		1997	1997-09-26	1997-09-26	14				EQ	population	population_fatalities			NOAA	NOAA_ID:3
4	ITI21		1998	1998-04-03	1998-04-03					EQ	population	population_fatalities			NOAA	NOAA_ID:3
5	ITG12		2002	2002-09-06	2002-09-06	2				EQ	population	population_fatalities			NOAA	NOAA_ID:3
6	ITG17		2002	2002-10-29	2002-10-29					EQ	population	population_fatalities			NOAA	NOAA_ID:3
7	ITF22		2002	2002-10-31	2002-10-31	29				EQ	population	population_fatalities			NOAA	NOAA_ID:3
8	ITH58		2003	2003-01-26	2003-01-26					EQ	population	population_fatalities			NOAA	NOAA_ID:3

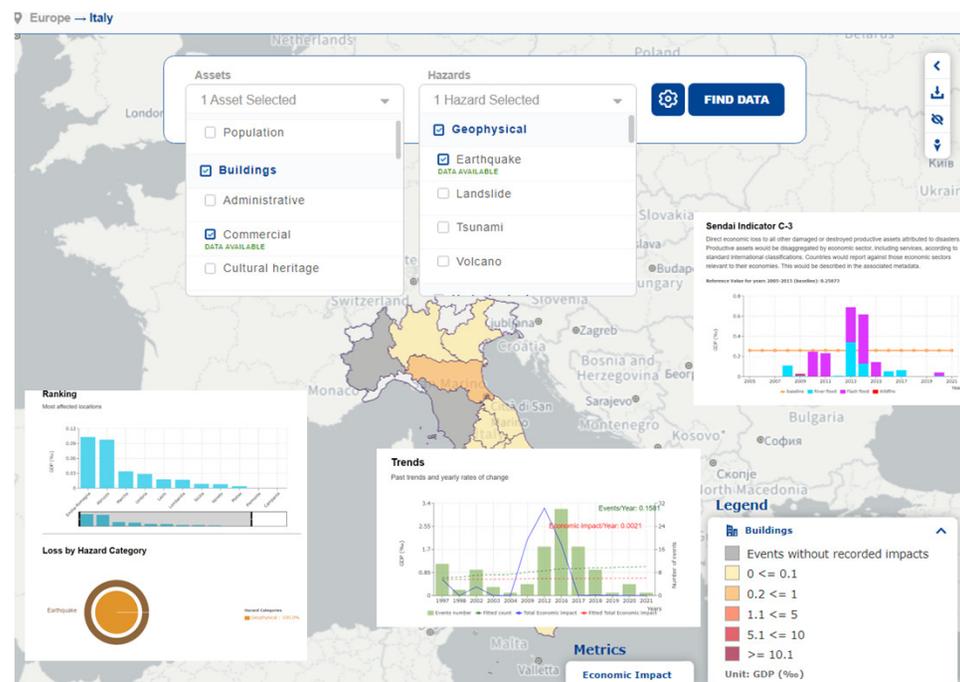
# 5. Where to upload data on my\_Region?



## Risk analysis



## Disaster loss and damage



Thank you!

<https://drmkc.jrc.ec.europa.eu/risk-data-hub/#/>