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# Impact of Open Data and PSI directive in Croatia

## **TODO – Twinning Open Data Operational (H2020 Widespread) - coordinator**

6 faculties of UNIZG + TU Delft + University of Aegean

start October 1, 2019 – duration 3 years

pre-established cooperation on national and international level

## **SPIDER – Erasmus+ strategic partnership on Open SDI (Delft, Lund, Lueven, Bochum, Zagreb) - proposal**

**Open Geospatial Lab** at the faculty – GeoForAll

**Research and education** – personal motivation

Why me?

# Croatia

Transposed PSI 2003 in place from March 2013

EU member state from July 1, 2013

Transposed PSI amendments from 2013 in place from August 2015

Open Data Portal (CKAN) launched in March 2015

Ordinance on licences from July 2017

Open Licence Croatia July 2017 (compatible with CC-BY)

INSPIRE from 2007

# Sources

Information Commissioner of Croatia – Report to EU, December 2017

European Data Portal - State-of-Play on Open Data for 2018

State Geodetic Administration – Report on NSDI for 2017

Personal professional experiences and findings

# Official Statistics for Open Data Ecosystem

Number of institutions obliged under PSI (2 sources on Open Data Portal)

Register of Public Government Bodies - **4592**

List of Public Government Bodies - **5797**

74 publishers on Open Data Portal

**578** data sets on Open Data Portal of Croatia (**last entry 2016, last app 2017**)

**887** data sets on European Data Portal?

Open Data Portal - 622

NSDI geoportal – 212 (INSPIRE directive)

City of Zagreb – 53

CC-BY licence used on 673 data sets

Personal  
experience,  
Dec 2017

Protected areas of Republic of Croatia  
(Environmental Agency) – spatial data set

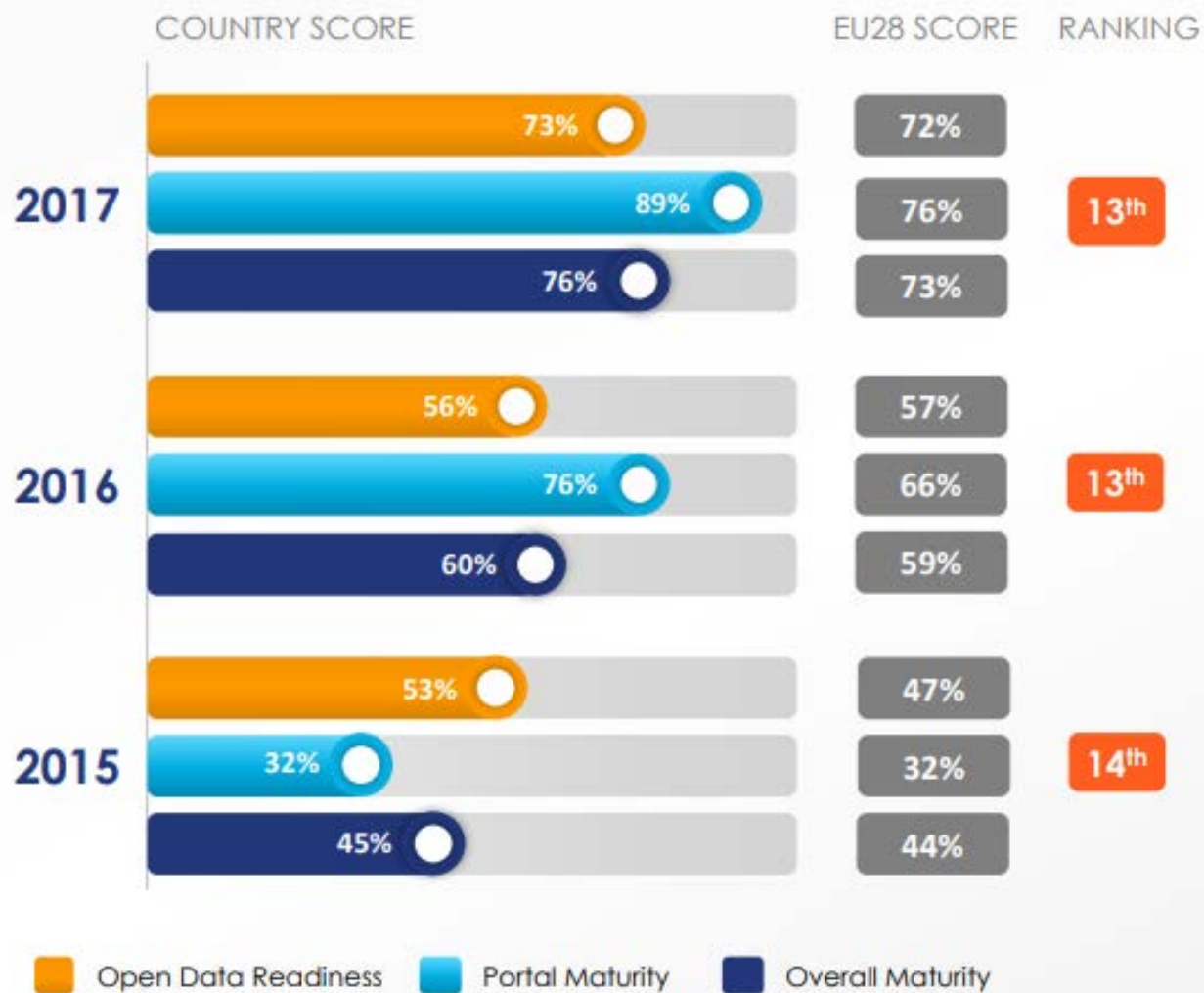
**Service for automatic comparison of official data with OSM** – project work with students on Open Geoinformation course

3 sources of same data at the time – small differences in number of areas in all 3 data sets

**Communicated** with agency and our findings were taken into account, and additional guides on use of data was given (internal code 1,2,3 on status).

Outsourcing of maintenance to private companies!!!

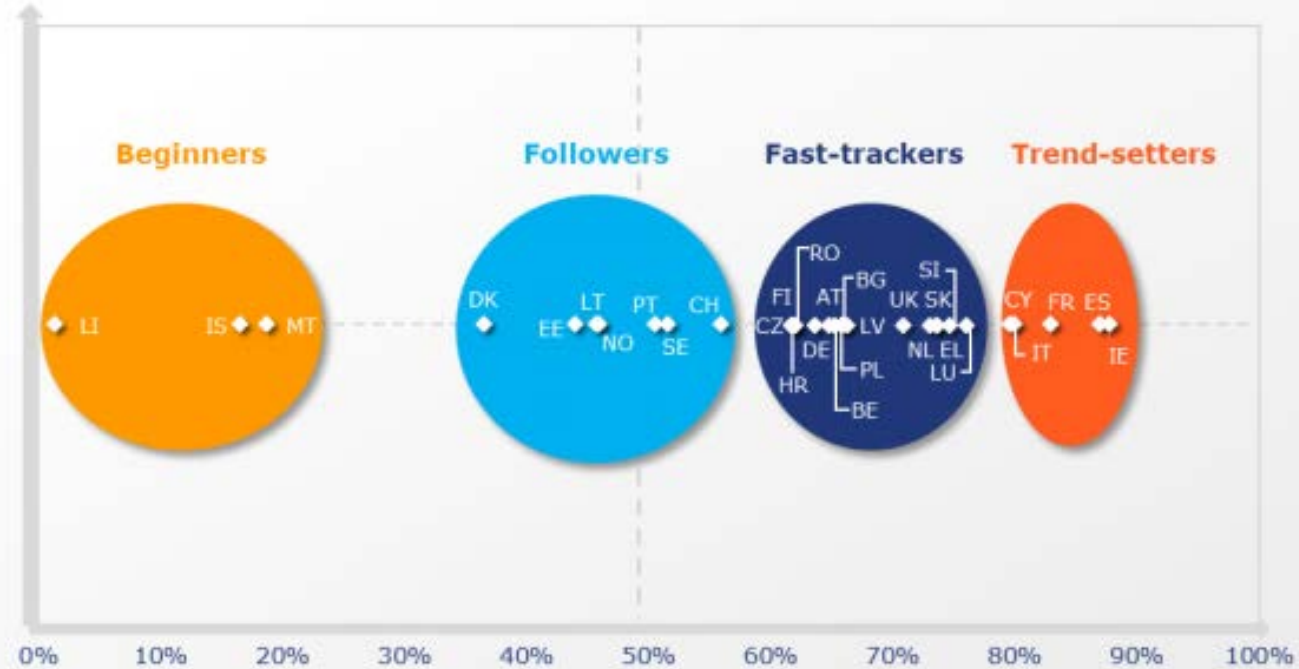
## PROGRESS 2015-2017



Statistics on EU level – Croatia as Trendsetter in 2017

# MATURITY LEVEL 2018

CLUSTER: FAST-TRACKER



2018

61,8%

65%

19<sup>th</sup>

Overall Maturity

EU28 Average

2018 – Croatia as Fast-Follower





# CROATIA

## State-of-Play on Open Data - 2018



DIMENSION	INDICATOR	EU28 SCORES	COUNTRY SCORES*
<b>Policy</b> 	<b>Overall score</b>	82%	90%
	Policy framework	81%	94%
	Coordination at national level	80%	83%
	Licensing norms	88%	100%
<b>Impact</b> 	<b>Overall score</b>	50%	31%
	Strategic awareness	62%	45%
	Political	55%	23%
	Social	43%	41%
	Environmental	48%	44%
	Economic	31%	N/A
<b>Portal</b> 	<b>Overall score</b>	63%	57%
	Portal features	64%	60%
	Portal usage	76%	75%
	Data provision	64%	50%
	Portal sustainability	49%	42%
<b>Quality</b> 	<b>Overall score</b>	62%	71%
	Automation	61%	85%
	Data and metadata currency	54%	64%
	DCAT-AP compliance	71%	69%

\* Weighted averages

# Impact

# Main challenges – Awareness and Capacity

Awareness and coordination on political level

Technical conditions and resources of public authorities

Exclusive rights arrangements between public bodies and private provider of IT services – costs for public bodies

Availability of data

Quality of data

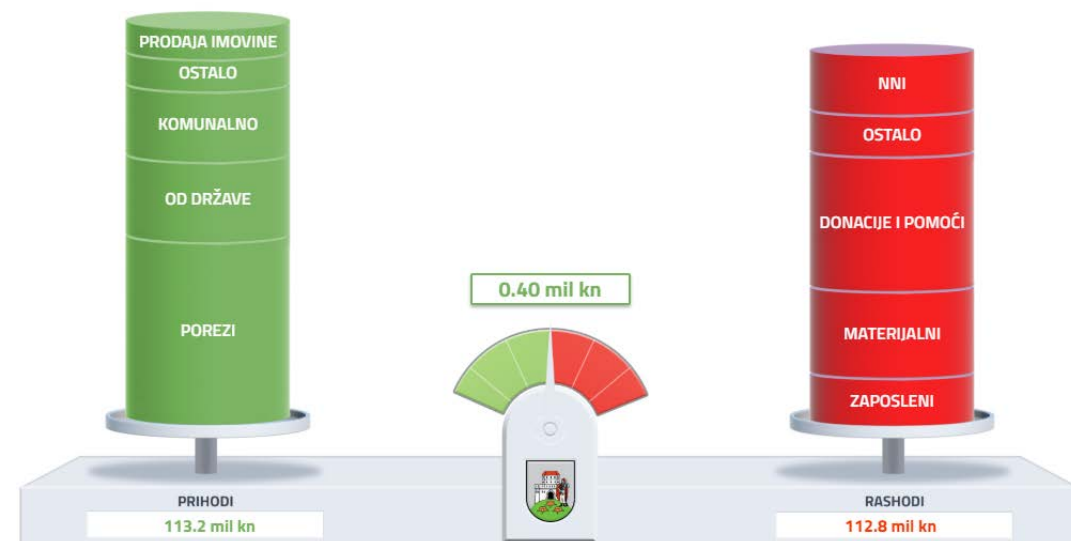
Awareness and interest of public for open data

City of Bjelovar – February 2019

Open access to city budget (salaries, names (GDPR!), donations, contracts, welfare, lunches ...)

Explanations, overview diagrams + detailed tables of every transaction

**GDPR – City of Bjelovar didn't followed the recommendations of Agency for Protection of Personal Data !!!**



Example -

<https://proracun.bjelovar.hr/>

95% of citizens (T-portal survey) think others should follow the example of Bjelovar

Other cities do not plan for now to follow this example, eventhough there is „interest”

One municipality (out of 550) contacted Bjelovar with interest to use this application.

Major currently under political pressure. Political suicide?  
Citizens support?

**What will be the impact of this action?**

What happened?

# INSPIRE and SDI in Croatia

EU INSPIRE 2007

Croatia transposed it to law in 2013 (it was partially in law from 2007)

43 subjects (institutions) in NSDI (2017)

240 data sets (EU portal harvest 212?)

227 metadata records

75 web services

State Geodetic Administration – main point

# Spatial data access

Geoportal of State Geodetic Administration

Local/institutional geoportals

NSDI Geoportal (for all subjects)

Open Data Portal ( 1 SGA dataset??)

INSPIRE geoportal

European Data Portal

Compatibility of Geoportals and Open Data Portals  
for automatic harvesting?

# Licencing – updated in April 2019



Data contained in the State Geodetic Administration Geoportal system, except for publicly available view network services and data contained therein for which the [terms of use for view network services](#) apply, may not be exchanged, reproduced, collected or distributed in electronic or other form.



Pressure from OpenStreetMap community over the years for open access to data published over web-services.

# SGA spatial data – after April 2019

The view network service is available to anonymous and registered users at no charge. The user may use this service to create new value-added products. ...

When publishing the data, the user is obliged to highlight the source data as follows »Contains the data of the State Geodetic Administration, the type of data, the date of the download and the date of the data status«.



## Concluding remarks

**Awareness** (social and political background, new generations)

**Motivation** (law, citizens, self-motivation)

**Availability** (human capacity, technical infrastructure, private companies)

**Quality** (expertise, organization, implemented internal procedures)

**Impact** (**trust**, garbage in – garbage out paradigm)

Thank you for your attention!

