



# **1<sup>st</sup> Southeast Europe Smart Society Conference**

Ljubljana  
20<sup>th</sup> December 2019



# Applause Project

from harmful to useful with citizen's led activities

Msc. Zala Strojín Božič, City of Ljubljana

Msc. Mateja Kavčič, GDi



# Applause Project

The project addresses unsolved questions with regard to invasive alien plant species (IAPS) in terms of the zero-waste approach and circular economy

IAPS are composted or incinerated

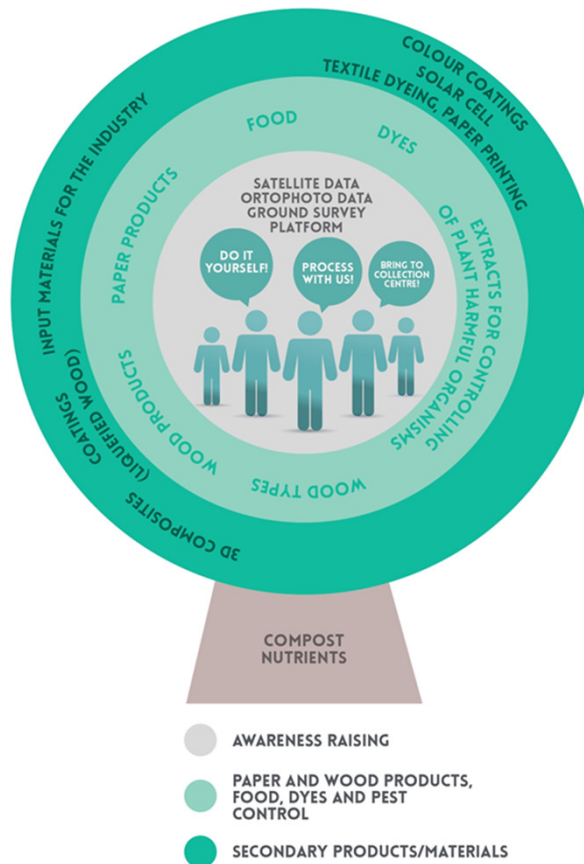
2016, 2017 – two pilot project for processing plants into paper at a semi-industrial level - proof for utilisation for other useful purposes



**Partners:** City of Ljubljana, JP VOKA SNAGA, University of Ljubljana, Jozef Stefan Institute, National Institute of Chemistry, Pulp and Paper Institute, Tisa, GDi, d. o. o., Trajna, tipoRenesansa, Space

# Circular Economy

Natural balance and sustainable manufacturing



# Data and Processes

## Digitalization, Connectivity and Reuse

### Experts

274,99 km<sup>2</sup>

> 200 species

### Business

Cost

Quality Control

### City Managers

Growth control

Material supply

Activities Plans

### Citizens

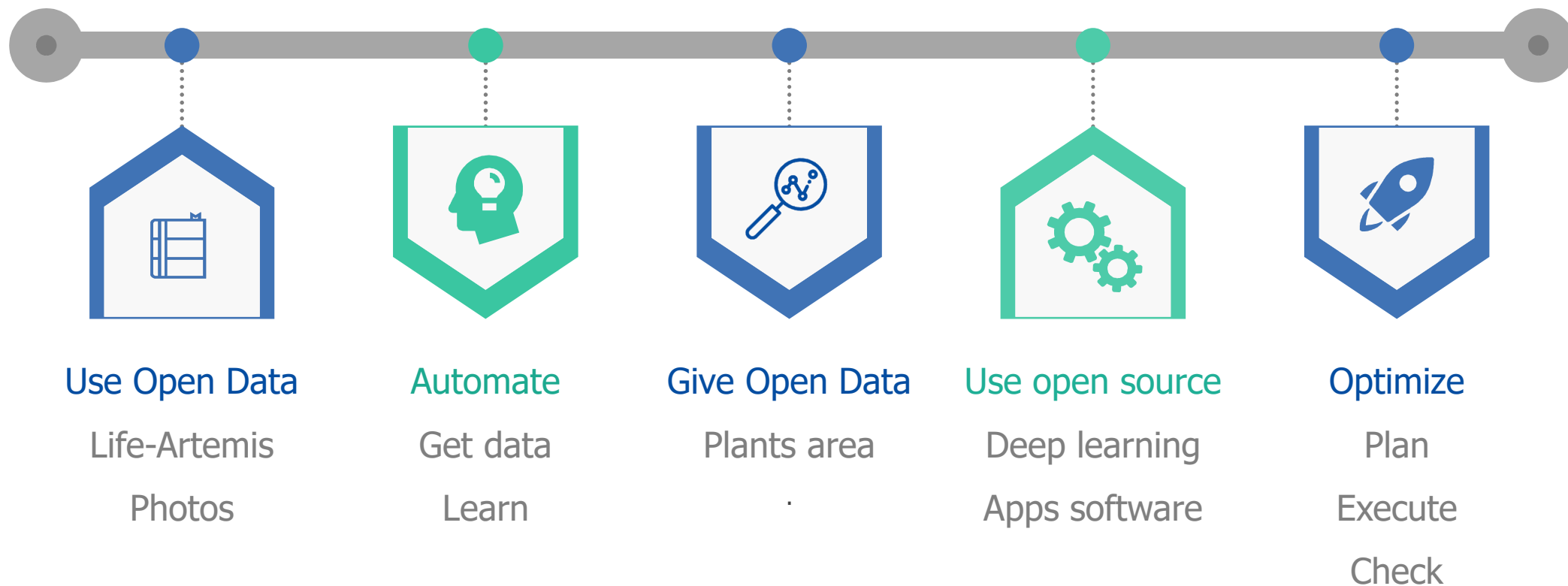
Raise awareness

Activation



# Applause Connected With Digital World

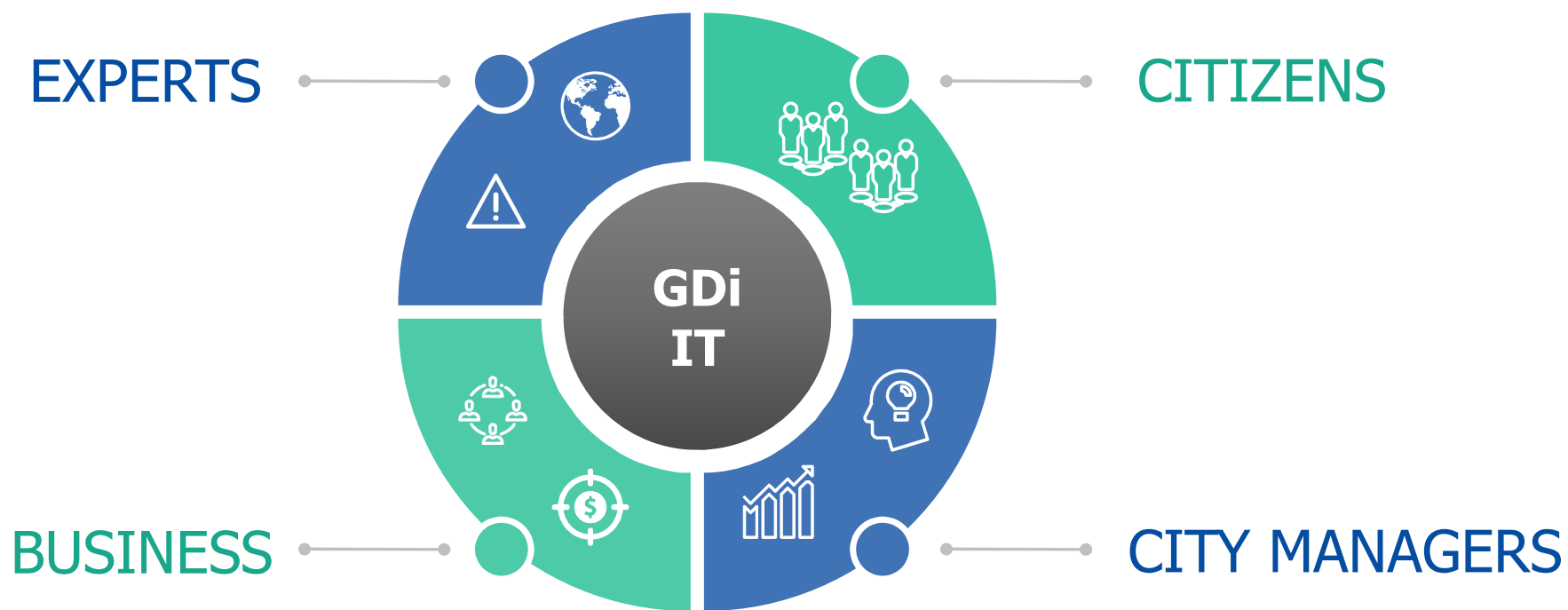
Applause in Digital Transformation of our society





# Unified and Open Platform

For City, Citizens, Business and Natural Sciences



# Mobile app

## Get Data for Science, City and Business



Survey in the field

Details. Photos.



Provide parameters

Science. Business.



Locate

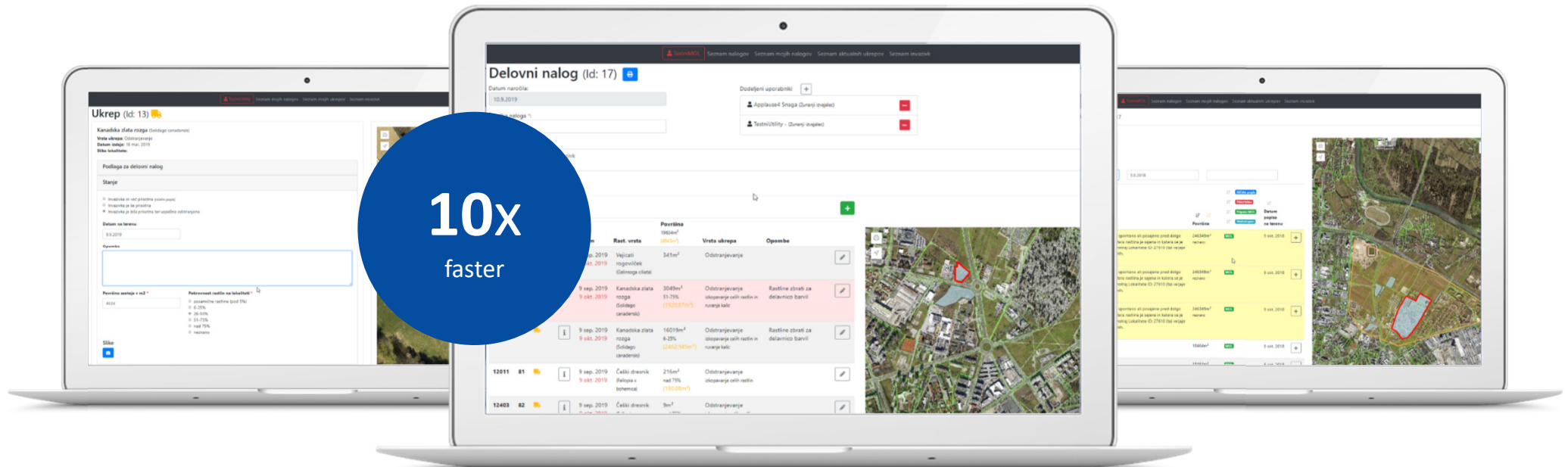
Actions. Measure.





# City Management

## Merge Data, Plan and Control



Activities planning are automated: minimizing effort and improve quality.

Execution: real-time view, verified by photos, bringing latest growth information

# Business Activities

## Execution with real-time reporting



### Scheduled Tasks

List.Time request and map.



### Apps Report

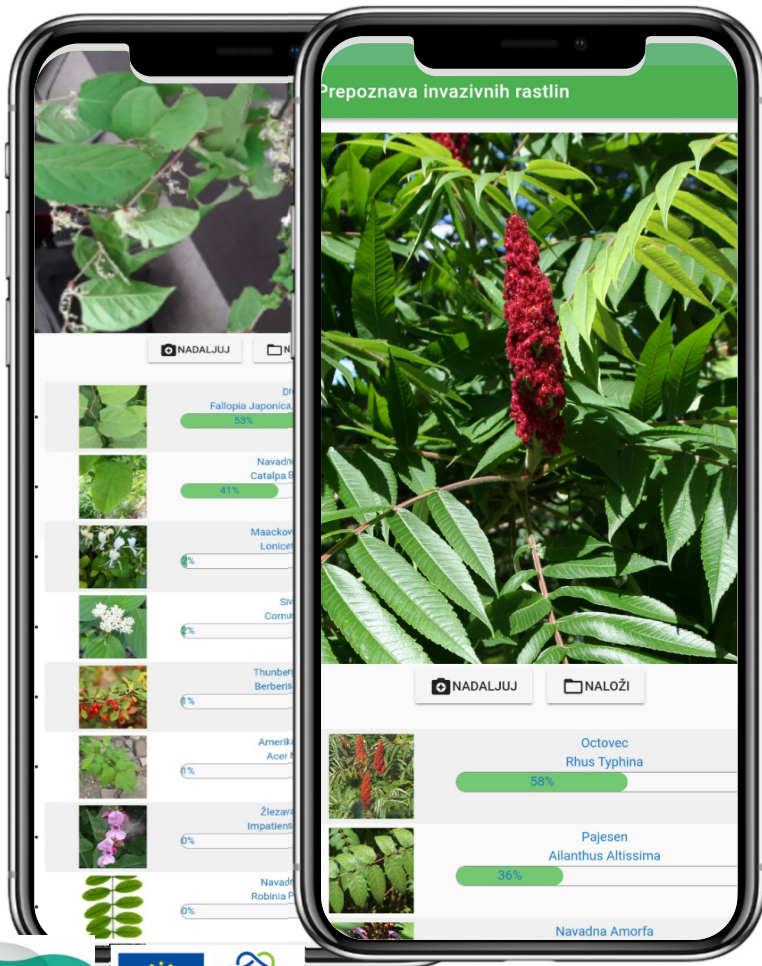
Check Done. Photo.

The screenshot shows a mobile application interface with a dark header bar containing navigation links: 'TestniUtility', 'Seznam mojih nalogov', 'Seznam mojih ukrepov', and 'Seznam invazivk'. The main content area is titled 'Moji ukrepi' and displays a table of tasks. To the right of the table is a vertical map showing a forested area with a red boundary line.

Loc	#	Status	Datum	Rast. vrsta	Površina 105383m <sup>2</sup> (54503m <sup>2</sup> )	Vrsta ukrepa	Opombe	
12007	8		18 mar. 2019 2 apr. 2020 25 mar. 2019	Pajesen (Ailanthus altissima)	15m <sup>2</sup> 11-50	Odstranjevanje <b>Ni imazike</b>	posekajte	
34415	9		18 mar. 2019 2 apr. 2020	Pajesen (Ailanthus altissima)	97m <sup>2</sup> 11-50	Odstranjevanje	posekajte	
12010	10		18 mar. 2019 2 apr. 2020	Pajesen (Ailanthus altissima)	1456m <sup>2</sup> 11-50	Odstranjevanje	posekajte	
35230	11		18 mar. 2019 2 apr. 2020	Kanadska zlata rozga (Solidago canadensis)	17538m <sup>2</sup> nad 75% (15433.44m <sup>2</sup> )	Odstranjevanje		
35613	12		18 mar. 2019 2 apr. 2020	Kanadska zlata rozga (Solidago canadensis)	13348m <sup>2</sup> 26-50% (5072.24m <sup>2</sup> )	Odstranjevanje		
35207	13		18 mar. 2019 2 apr. 2020	Kanadska zlata rozga (Solidago canadensis)	4634m <sup>2</sup> 51-75% (2919.42m <sup>2</sup> )	Odstranjevanje		
31616	1		18 mar. 2019 2 apr. 2020 25 mar. 2019	Pajesen (Ailanthus altissima)	279m <sup>2</sup> 11-50	Odstranjevanje <b>Ni imazike</b>	posekajte	
34410	2		18 mar. 2019 2 apr. 2020 14 mar. 2019	Pajesen (Ailanthus altissima)	215m <sup>2</sup> 11-50	Odstranjevanje	posekajte	

# Citizens Apps

Execution with real-time reporting



## Plants description

Photos. Description



## Artificial intelligence support

Image classification suggestions



## Citizens Initiatives

Report for experts review



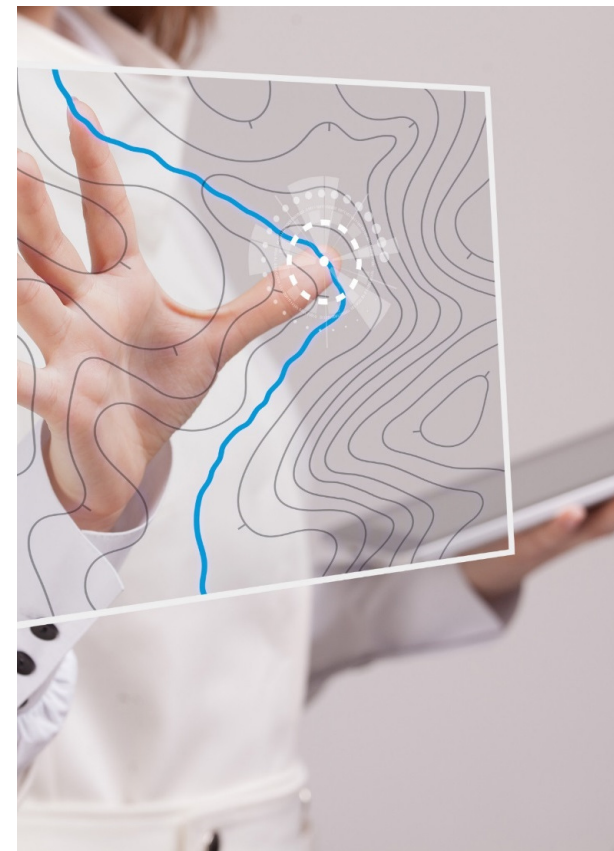
# Smart Society Contributions

## Conclusions

**01 Citizen Life Quality**  
Empowered to decide about nature biodiversity. Participation.

**02 New Business**  
Digital toolkit: Products. Data.

**03 City management**  
Automated planning. Instant reporting.





GDi

## Additional information and cooperation



[zala.strojin-bozic@ljubljana.si](mailto:zala.strojin-bozic@ljubljana.si)  
[mateja.kavcic@gdi.net](mailto:mateja.kavcic@gdi.net)



[www.ljubljana.si/sl/moja-ljubljana/applause](http://www.ljubljana.si/sl/moja-ljubljana/applause)

1<sup>st</sup> Southeast Europe  
Smart Society  
Conference



# Thanks for watching!

**1<sup>st</sup> Southeast Europe  
Smart Society  
Conference**

Ljubljana  
20<sup>th</sup> December 2019

