

# Alati za pripremu plana upravljanja istraživačkim podacima

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Ova prezentacija je rezultat rada na projektu „Boosting EOSC readiness: Creating a scalable model for capacity building in RDM“, koji finansira Evropska unija u okviru projekta H2020-EU.1.4.1.1. EOSC Secretariat br. 831644



# Fond za nauku



**Фонд за науку**  
Републике Србије

PROMIS

*Dissemination of  
results (t. 2.2)*



IDEJE

*Data usage (t. 1.2.1)*



# Šta je DMP?

Plan upravljanja podacima (eng. *Data Management Plan, DMP*) je dokument kojim se opisuju postupci za upravljanje i čuvanje podataka proisteklih sa naučnog projekta.



Image by [StartupStockPhotos](#) from [Pixabay](#)

# Obaveze i smernice

DMP je postao obavezan kod većine sponzora istraživanja:

- Evropa:



- SAD:



- Privatni finansijeri: Wellcome trust, Gates foundation

# Obaveze i smernice

## Smernice i obrasci

- Horizon 2020 DMP template
- Science Europe: *Practical Guide to the International Alignment of Research Data Management* (2018)

# Obaveze i smernice

## Smernice i obrasci

- Horizon 2020 DMP template
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**FAIR principi**

# Obaveze i smernice

DMP je „živi dokument“ - može da se menja tokom projekta

„... the DMP is intended to be a **living document** in which information can be made available on a finer level of granularity through updates as the implementation of the project progresses and when significant changes occur. “

[H2020 Online Manual](#) – *Open access & Data management*

# DMP alati





# Primer: DMPOnline



[dmponline.dcc.ac.uk](http://dmponline.dcc.ac.uk)

# Primer: DMPOnline (1)

**DMP ONLINE** My Dashboard Create plans Reference Help Language Obrad Vučkovic

University of Belgrade

## My Dashboard


The table below lists the plans that you have created, and that have been shared with you by others. You can edit, share, download, make a copy, or remove these plans at any time.

Project Title	Template	Edited	Role	Test	Visibility	Shared	
(TEST) Program IDEJE Fonda za nauku Republike Srbije	DCC Template	06-24-2020	Owner	<input checked="" type="checkbox"/>	N/A	No	Actions
Obrad's Plan (NWO template)	Data Management Plan NWO (September 2020)	04-17-2020	Owner	<input checked="" type="checkbox"/>	N/A	No	Actions

Create plan

# Primer: DMPOnline (2)

Project Details Plan overview Write Plan Share Download

**\* Project title**  
(TEST) Program IDEJE Fonda za nauku Republike Srbije 

mock project for testing, practice, or educational purposes

**Funder**  
Science Fund of the Republic of Serbia

**Grant number**  
123456

**Project abstract**  
(briefly summarize...)

**ID**  
59800

**Principal Investigator**  
**Name**  
Obrad Vučkovic

## Select Guidance

To help you write your plan, DMPonline can show you guidance from a variety of organizations.

Select up to 6 organizations to see their guidance.

Digital Curation Centre

Find guidance from additional organizations below

[See the full list](#)

# Primer: DMPOnline (3)

Project Details | **Plan overview** | Write Plan | Share | Download

## DCC Template

This plan is based on the "DCC Template" template provided by Digital Curation Centre.  
The default DCC template

**Template version 0, published on 15 June 2020**

Instructions Write plan

The DCC default template

Data Collection

- What data will you collect or create?
- How will the data be collected or created?

Documentation and Metadata

- What documentation and metadata will accompany the data?

Ethics and Legal Compliance

- How will you manage any ethical issues?
- How will you manage copyright and Intellectual Property Rights (IPR) issues?

Storage and Backup

- How will the data be stored and backed up during the research?
- How will you manage access and security?

Selection and Preservation

- Which data are of long-term value and should be retained, shared, and/or preserved?
- What is the long-term preservation plan for the dataset?

Data Sharing

- How will you share the data?

# Primer: DMPOnline (4)

University of Belgrade

## (TEST) Program IDEJE Fonda za nauku Republike Srbije

The screenshot displays the 'Plan overview' tab of the DMPOnline interface. At the top, there are navigation tabs: 'Project Details', 'Plan overview' (selected), 'Write Plan', 'Share', and 'Download'. Below the tabs, there is a progress indicator showing '0/13' tasks completed. The main content area lists several tasks, each with a progress status and a plus sign icon:

- Data Collection (0 / 2) +
- Documentation and Metadata (0 / 1) +
- Ethics and Legal Compliance (0 / 2) +
- Storage and Backup (0 / 2) +
- Selection and Preservation (0 / 2) +
- Data Sharing (0 / 2) +
- Responsibilities and Resources (0 / 2) +

# Primer: DMPOnline (5)

Data Collection (0 / 2)

What data will you collect or create?

**B** *I*

Save

Guidance

Comments

DCC

Questions to consider:

- What type, format and volume of data?
- Do your chosen formats and software enable sharing and long-term access to the data?
- Are there any existing data that you can reuse?

Guidance:

Give a brief description of the data, including any existing data or third-party sources that will be used, in each case noting its content, type and coverage. Outline and justify your choice of format and consider the implications of data format and data volumes in terms of storage, backup and access.

[expand all](#) | [collapse all](#)

Data volume +

Data format +

# Primer: DMPOnline (5)

Data Collection (0 / 2)

What data will you collect or create?

**B** *I*

[Save](#)

expand all | collapse all

Data volume

- Note what volume of data you will create in MB/GB/TB. Indicate the proportions of raw data, processed data, and other secondary outputs (e.g., reports).
- Consider the implications of data volumes in terms of storage, access and preservation. Do you need to include additional costs?
- Consider whether the scale of the data will pose challenges when sharing or transferring data between sites; if so, how will you address these challenges?

Data format

- Clearly note what format(s) your data will be in, e.g., plain text (.txt), comma-separated values (.csv), geo-referenced TIFF (.tif, .tiff).

# Primer: DMPOnline (6)

Project Details Plan overview Write Plan Share Download

## Set plan visibility

Public or organizational visibility is intended for finished plans. You must answer at least 50% of the questions to enable these options. Note: test plans are set to private visibility by default.

- Private: visible to me, specified collaborators and administrators at my organization
- Organization: anyone at my organization can view
- Public: anyone can view

## Manage collaborators

Invite specific people to read, edit, or administer your plan. Invitees will receive an email notification that they have access to this plan.

Email address	Permissions
obrad.vuckovac@gmail.com	Owner

## Invite collaborators

\* Email

\* Permissions

- Co-owner
- Editor
- Read only

Submit



# Primer: DMPOnline (7)

Project Details Plan overview Write Plan Share **Download**

## Download settings

**Optional Plan Components**

- project details coversheet
- question text and section headings
- unanswered questions

## Format

pdf

## PDF formatting

**Font**

**Face** Arial, Helvetica, Sans-Serif

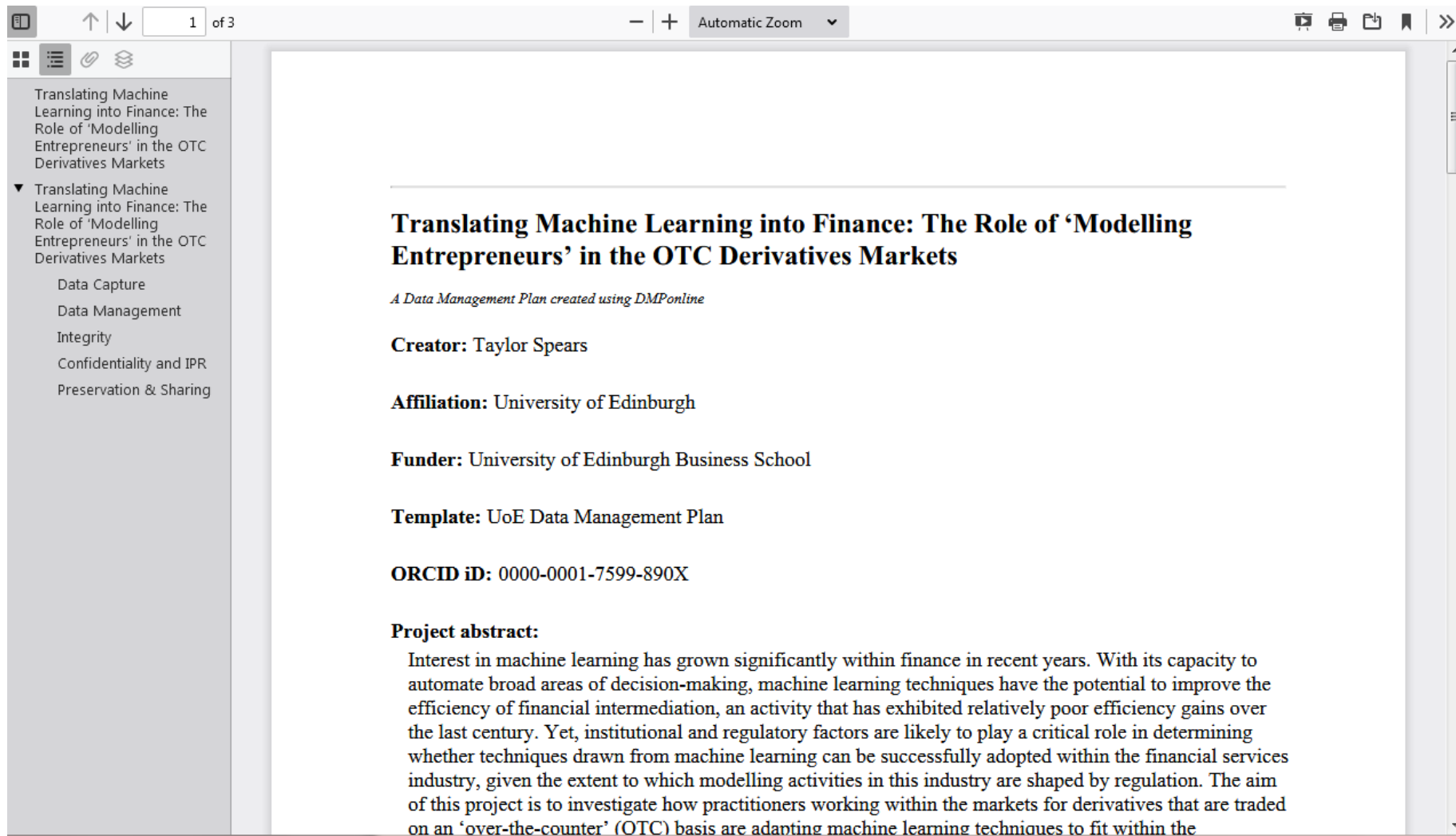
**Size (pt)** 10

**Margin (mm)**

Top	Bottom	Left	Right
25	20	12	12

**Download Plan**

# Primer: DMPOnline (8)



The screenshot shows the DMPOnline interface. At the top, there is a navigation bar with a search icon, up/down arrows, a page number '1 of 3', a zoom control with a plus sign and 'Automatic Zoom', and several utility icons (print, copy, etc.). On the left side, there is a sidebar with a tree view of documents. The main content area displays a document titled 'Translating Machine Learning into Finance: The Role of 'Modelling Entrepreneurs' in the OTC Derivatives Markets'. Below the title, it indicates 'A Data Management Plan created using DMPonline'. The document content includes fields for Creator, Affiliation, Funder, Template, and ORCID iD, followed by a Project abstract.

Translating Machine Learning into Finance: The Role of 'Modelling Entrepreneurs' in the OTC Derivatives Markets

▼ Translating Machine Learning into Finance: The Role of 'Modelling Entrepreneurs' in the OTC Derivatives Markets

- Data Capture
- Data Management
- Integrity
- Confidentiality and IPR
- Preservation & Sharing

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## Translating Machine Learning into Finance: The Role of 'Modelling Entrepreneurs' in the OTC Derivatives Markets

*A Data Management Plan created using DMPonline*

**Creator:** Taylor Spears

**Affiliation:** University of Edinburgh

**Funder:** University of Edinburgh Business School

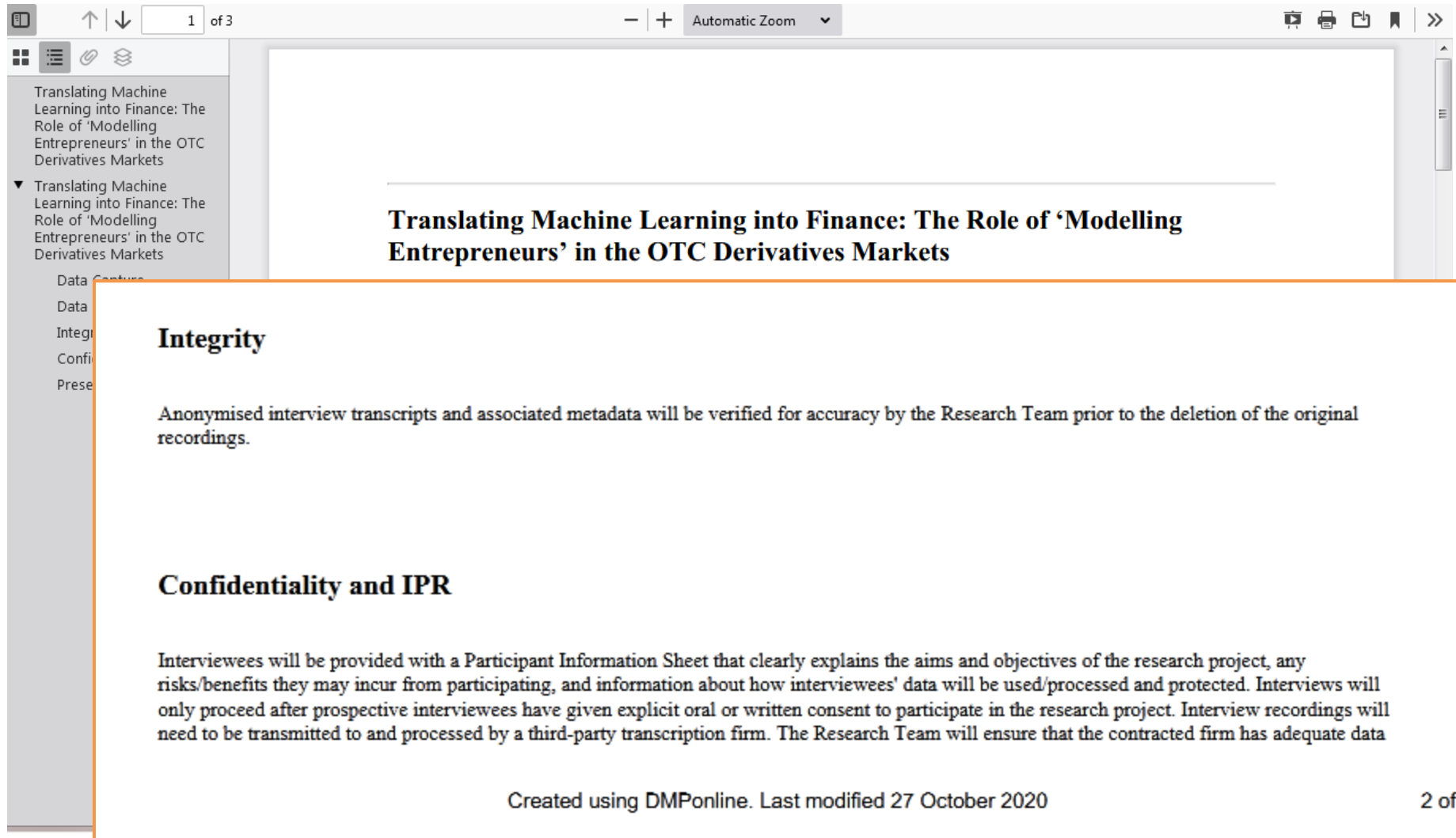
**Template:** UoE Data Management Plan

**ORCID iD:** 0000-0001-7599-890X

**Project abstract:**

Interest in machine learning has grown significantly within finance in recent years. With its capacity to automate broad areas of decision-making, machine learning techniques have the potential to improve the efficiency of financial intermediation, an activity that has exhibited relatively poor efficiency gains over the last century. Yet, institutional and regulatory factors are likely to play a critical role in determining whether techniques drawn from machine learning can be successfully adopted within the financial services industry, given the extent to which modelling activities in this industry are shaped by regulation. The aim of this project is to investigate how practitioners working within the markets for derivatives that are traded on an 'over-the-counter' (OTC) basis are adapting machine learning techniques to fit within the

# Primer: DMPOnline (8)



1 of 3 Automatic Zoom

Translating Machine Learning into Finance: The Role of 'Modelling Entrepreneurs' in the OTC Derivatives Markets

▼ Translating Machine Learning into Finance: The Role of 'Modelling Entrepreneurs' in the OTC Derivatives Markets

Data Centur...

Data

Integr

Confi

Pres

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## Translating Machine Learning into Finance: The Role of 'Modelling Entrepreneurs' in the OTC Derivatives Markets

### Integrity

Anonymised interview transcripts and associated metadata will be verified for accuracy by the Research Team prior to the deletion of the original recordings.

### Confidentiality and IPR

Interviewees will be provided with a Participant Information Sheet that clearly explains the aims and objectives of the research project, any risks/benefits they may incur from participating, and information about how interviewees' data will be used/processed and protected. Interviews will only proceed after prospective interviewees have given explicit oral or written consent to participate in the research project. Interview recordings will need to be transmitted to and processed by a third-party transcription firm. The Research Team will ensure that the contracted firm has adequate data

Created using DMPOnline. Last modified 27 October 2020

2 of 3

# Nove mogućnosti: Argos



<https://argos.openaire.eu/home>

# Nove mogućnosti: Argos



Start new DMP

FAQ

EN



Home

My DMPs

My Datasets

Public DMPs

Public Dataset Desc.

About Terms Of Service

Glossary User Guide

Contact Support

Editing DMP

Test new DMP

Save

Guide steps

1. Main info (7)

2. Funding info (3)

3. License info

4. Dataset info

5. Dataset: NWO Testing Dataset Desc... ×

+ Add Dataset

A DMP in Argos consists of key information about research, such as purpose, objectives and researchers involved, but also about documentation of research datasets that highlight the steps followed and the means used across data management activities.

1.1 Title of DMP\*

Test new DMP

1.2 Description

Briefly describe the context and purpose of the DMP

Here is the description of the project...

< Previous

> Next

# Nove mogućnosti: Argos



Start new DMP

FAQ



EN



Home

My DMPs

My Datasets

Public DMPs

Public Dataset Desc.

About Terms Of Service

Glossary User Guide

Contact Support

Editing Dataset

(unsaved changes)

Discard

Save

Save & Close

Save & Add New

To DMP: Test new DMP

< Back to

DMP

Guide steps

## 0. Main info (5)

- 1 General Information
- 2 Description dataset
- 3 Data Storage
- 4 Standards and Metadata
- 5 Making data available

< Previous

> Next

### 1.1 Title of Dataset\*

Title of Dataset

Required

### 1.2 Description

A brief description of what the DMP is about it's scope and objectives.

Fill with description

### 1.3 Tags

# Nove mogućnosti: Argos

**3.1.2 Is there sufficient storage capacity during the project?**



Yes  No

Please Specify

Provide additional information or justification about your selection

**3.1.3 Will the data be backed up regularly during the project? Who is responsible for this?**

Yes  No

Backup manager

# Nove mogućnosti: Argos

Data

**Text (PDF)**

**Title:** NewSiest\_DMP

**Template:** Horizon 2020

**External References**

*Data Repositories*

*External Datasets*

*Registries*

*Services*

## Dataset Description

### 1 Data Summary

1.1 What is the purpose of the data collection/generation and its relation to the objectives of the project?

**Purpose of data collection/generation:** To study the optimal nanoparticle (NP) concentration and thermal modification conditions to improve the UV stability of wood surfaces. Data will be useful for academic and scientific readers and also has construction, industrial importance. **Relation to objectives of project:** The main research objectives of the action are: i) to introduce and optimize envelope treatment of wood with UV protecting nanoparticles ii) to set up the process of heat treatment of wood with nanoparticles in the envelope iii) to evaluate UV and fungal resistance of the novel wood-based material for industrial/commercial application. The collected data will therefore include: i) Experimental procedures and reaction conditions to achieve wood envelope treatment. Data on basic liquid properties of NP dispersion, retention and depth of penetration of the nanomaterial onto wood. ii) the generated data includes standard methodology of thermal modification of wood and data on percent mass loss, mechanical properties, contact angle variations, colour and chemical changes. iii) Data from evaluation of wood against light (UV) and fungal stability where change in wood properties will be accessed by weight loss, colour change, Scanning Electron Microscopy (SEM), and changes in chemical constituents using FTIR spectroscopy.

1.2 What types and formats of data will the project generate/collect?

**Types and formats of data generated:** 1. Envelope treatment of wood using



# Nove mogućnosti: Argos

## Datasets

Title: NewSiest\_DMP

Template: Horizon 2020

### External References

Data Repositories

External Datasets

Registries

Services

### Dataset Description

#### 1 Data Summary

1.1 What is the purpose of the data collection of the project?

Purpose of data collection/generation: The main research objectives of the project are to determine the optimal concentration and thermal modification conditions for the envelope treatment of wood with UV protective nanoparticles. The data generated will be useful for academic and scientific readers and for the development of novel wood-based material for industrial/commercial applications. The data generated will include: i) Experimental procedures and reaction conditions for the envelope treatment of wood with UV protective nanoparticles. ii) the generated data includes standard methods for the evaluation of wood properties: i) on percent mass loss, mechanical properties, contact angle variations, colour and chemical changes. iii) Data from evaluation of wood against light (UV) and fungal stability where change in wood properties will be accessed by weight loss, colour change, Scanning Electron Microscopy (SEM), and changes in chemical constituents using FTIR spectroscopy.

1.2 What types and formats of data will the project generate/collect?  
Types and formats of data generated: 1. Envelope treatment of wood using UV protective nanoparticles. 2. Evaluation of wood properties: i) on percent mass loss, mechanical properties, contact angle variations, colour and chemical changes. iii) Data from evaluation of wood against light (UV) and fungal stability where change in wood properties will be accessed by weight loss, colour change, Scanning Electron Microscopy (SEM), and changes in chemical constituents using FTIR spectroscopy.

JSON

```
{
  "dmp" : {
    "contact" : {
      "contact_id" : {
        "identifier" : "c22450b2-9999-4896-9ec6-f7c0af5bfa37",
        "type" : "other"
      },
      "mbox" : "obrad.vuckovac@gmail.com",
      "name" : "Obrad Vuckovac"
    },
    "contributor" : [ {
      "contributor_id" : {
        "identifier" : "http://orcid.org/0000-0001-5616-2680",
        "type" : "orcid"
      },
      "name" : "Obrad Vučkovic"
    } ],
    "cost" : [ ],
    "created" : "2020-08-06T18:19:38Z",
    "dataset" : [ {
      "dataset_id" : {
        "identifier" : "62c5029c-2322-4eb7-ba52-bf808de1c615",
        "type" : "other"
      },
    } ],
  }
}
```

# Nove mogućnosti: Argos

## Datasets

Title: NewSiest\_DMP

Template: Horizon 2020

### External References

Data Repositories

External Datasets

Registries

Services

### Dataset Description

#### 1 Data Summary

1.1 What is the purpose of the data collection of the project?

Purpose of data collection/generation: The main research objectives of the project are to study the effect of NP concentration and thermal modification conditions on the properties of wood. The data generated will be useful for academic and scientific readers and for the development of new materials. Relation to objectives of project: The main research objectives of the project are to study the effect of NP concentration and thermal modification conditions on the properties of wood. The data generated will be useful for academic and scientific readers and for the development of new materials. Types and formats of data generated: 1. Experimental procedures and reaction conditions. 2. Data from evaluation of wood against light (UV) and furfural. 3. Data from evaluation of wood against weight loss, colour change, Scanning electron microscopy (SEM) and Fourier transform infrared (FTIR) spectroscopy.

1.2 What types and formats of data will the project generate?

```
{
  "dmp" : {
    "contact" : {
      "contact_id" : {
        "identifier" : "c22450b2-9999-4896-9ec6-f7c0af5bfa37",
        "type" : "other"
      },
      "mbox" : "obrad.vuckovac@gmail.com",
      "name" : "Obrad Vuckovac"
    }
  }
}
```

```
<?xml version="1.0" encoding="UTF-8" >
<description>This action will demonstrate the Plasma-Enhanced Chemical Solution Deposition (PE-CHSD) process on wood-based substrates. This process combines plasma-chemistry in the gas phase and chemistry in the liquid formulation, thus combining all benefits of conventional surface coating technologies.
The implementation is divided into three main objectives:
Objective I: Building the integrated device,
Objective II: Optimization of the deposition parameters, and
Objective III: Demonstrating the technique's capability and priming the industrial implementation.
These objectives will lead to the generation of data:
(I) on the construction, setup, and ongoing improvements of the device,
(II) on the experimental protocols for film deposition and the properties of the resulting coating,
(III) on the effectiveness of the demonstrated applications towards commercialization.
Various kinds and forms of data will be generated throughout the project. No previous works on this topic have been published.
<dmpName>DMP For Grant : Demonstration and implementation of an integrated process for the Plasma-Enhanced Chemical Solution Deposition (PE-CHSD) on wood-based substrates</dmpName>
<dmpProfile/>
<funder>
<label>European Commission|EC</label>
<id>690c686d-e900-4772-a382-8d805af751a4</id>
</funder>
<grant>
<label>Demonstration and implementation of an integrated process for the Plasma-Enhanced Chemical Solution Deposition (PE-CHSD) on wood-based substrates</label>
<id>80206f1f-0c80-4ded-b6ff-dbd596880dd1</id>
</grant>
<project>
<label>Demonstration and implementation of an integrated process for the Plasma-Enhanced Chemical Solution Deposition (PE-CHSD) on wood-based substrates</label>
<id>e0275ae2-9858-4baa-95c6-506dfdf6e2f9</id>
</project>
```

# Reference

- Science Europe (2018) Practical Guide to the International Alignment of Research Data Management.  
[https://www.scienceeurope.org/media/jezkhnoo/se\\_rdm\\_practical\\_guide\\_final.pdf](https://www.scienceeurope.org/media/jezkhnoo/se_rdm_practical_guide_final.pdf)
- Horizon 2020 Online Manual,  
[https://ec.europa.eu/research/participants/docs/h2020-funding-guide/cross-cutting-issues/open-access-data-management/data-management\\_en.htm](https://ec.europa.eu/research/participants/docs/h2020-funding-guide/cross-cutting-issues/open-access-data-management/data-management_en.htm)
- Miksa T, Simms S, Mietchen D, Jones S (2019) Ten principles for machine-actionable data management plans. *PLoS Comput Biol* 15(3): e1006750.  
<https://doi.org/10.1371/journal.pcbi.1006750>
- Digital Curation Centre. *DMPOnline*. <https://dmponline.dcc.ac.uk>
- University of California Curation Center. *DMPTool*. <https://dmptool.org/>
- OpenAIRE. *Argos*. <https://argos.openaire.eu/splash/> (OpenAIRE-Advance, Grant agreement ID: 777541)
- Czech Technical University in Prague (ELIXIR-CZ). *Data Stewardship Wizard*.  
<https://ds-wizard.org/>

# Hvala na pažnji

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