

Alati za pripremu plana upravljanja istraživačkim podacima

Obrad Vučkovic

Institut za nuklearne nauke „Vinča“ – Biblioteka
Univerzitet u Beogradu



EOSCsecretariat.eu has received funding from the European Union's Horizon
Programme call H2020-INFRAEOSC-2018-4, Grant Agreement number 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
- Science Europe: *Practical Guide to the International Alignment of Research Data Management* (2018)

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

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**

mock project for testing, practice, or educational purposes

Funder

Grant number

Project abstract

ID

Principal Investigator
Name

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

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

expand all | collapse all 0/13

- 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

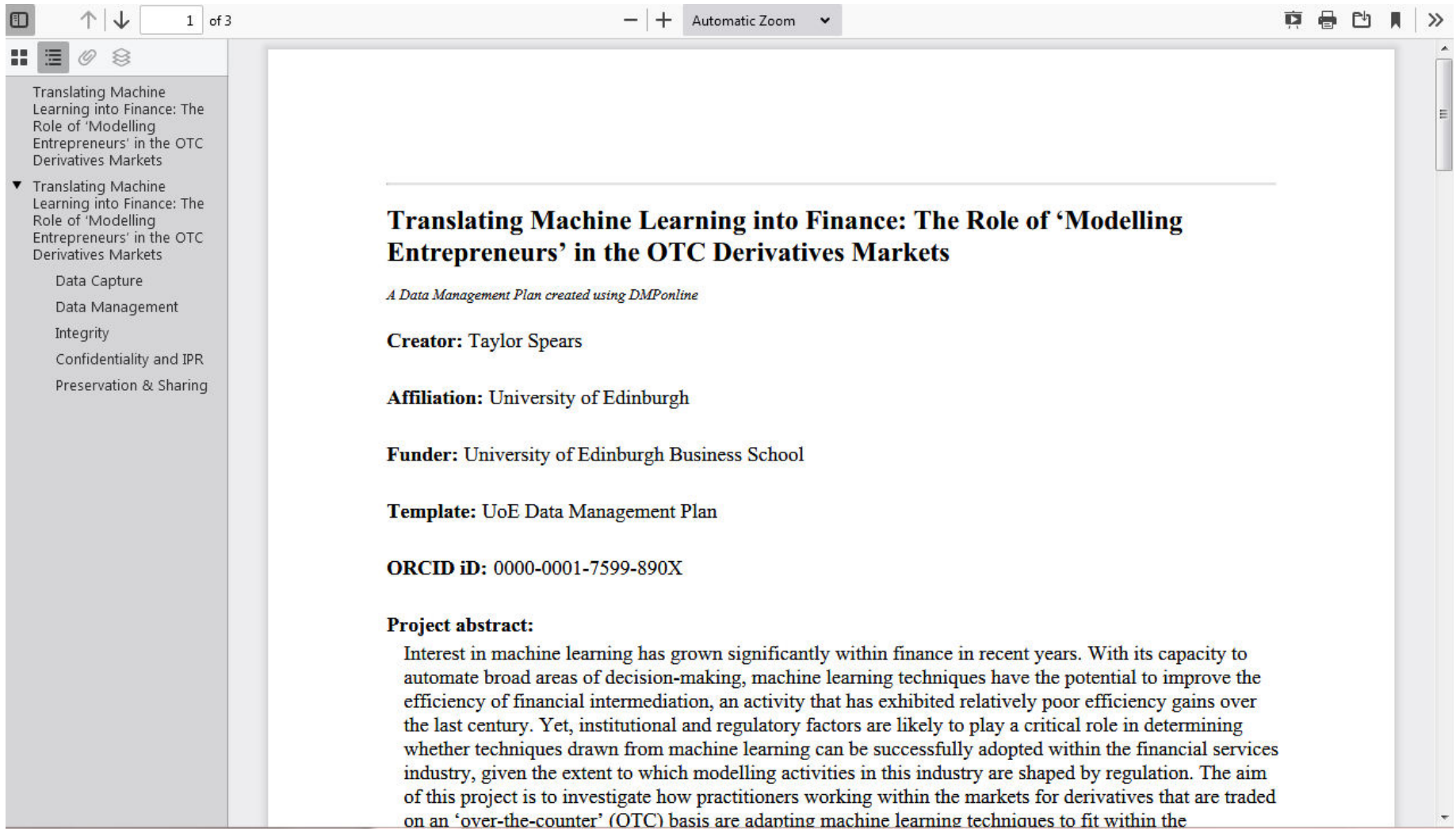
Size (pt) 10

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' dropdown, and several utility icons (print, copy, bookmark, etc.). On the left side, there is a sidebar with a tree view containing the following items:

- 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

The main content area displays the following information:

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

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 purpose of the data collection is to provide information on concentration and thermal modification conditions that will be useful for academic and scientific readers and to establish the relation to objectives of project: The main research objectives are to optimize envelope treatment of wood with UV protection and treatment of wood with nanoparticles in the envelope treatment of wood. The novel wood-based material for industrial/commercial use will include: i) Experimental procedures and reaction conditions for the treatment of wood on basic liquid properties of NP dispersion, retention on wood, ii) the generated data includes standard methods

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

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: i) the development of a novel wood-based material for industrial/commercial applications; ii) the generation of data that will be useful for academic and scientific readers and researchers. Relation to objectives of project: The main research objectives of the project are: i) the development of a novel wood-based material for industrial/commercial applications; ii) the generation of data that will be useful for academic and scientific readers and researchers. Data from evaluation of wood against light (UV) and fungi will be accessed by weight loss, colour change, Scanning electron microscopy, and FTIR spectroscopy.

1.2 What types and formats of data will the project generate? Types and formats of data generated: 1. E

JSON

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

XML

```
<?xml version="1.0" encoding="UTF-8" >
<description>This action will demonstrate the Plasma-Enhanced Chemical Solution Deposition (PECS) process on wood-based substrates. This process involves 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</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</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</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
- 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
- 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

Obrad Vučković

ORCID: [0000-0001-5616-2680](https://orcid.org/0000-0001-5616-2680)

obrad.vuckovic@vin.bg.ac.rs

Institut za nuklearne nauke „Vinča” - Biblioteka
Univerzitet u Beogradu