

Open science principles to comply with

NI4OS-Europe Open Call Training Event

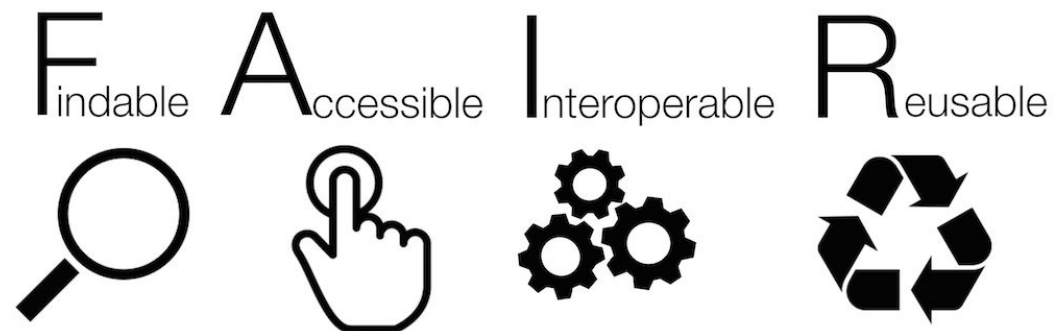
14 April 2022

Online

Branko Marović



- ❑ As a researcher, I want to do my job and cut on all peripheral grunt work and ceremonies.
- ❑ Open Science is open, but not unregulated – participation includes a learning curve and, worse, continuous readjustments.
- ❑ Requirements, practices, rules, policies, etc. are becoming increasingly difficult to track and comply with.
- ❑ Tools do help, but how to find the right and simple means to your ends?





NI4OS training portal




➤ <https://training.ni4os.eu/>

☰ Training Platform 🔍 You are not logged in. (Log in)

 **National Initiatives for Open Science in Europe**

 National End-Users Training in Georgia - Webinar feedback



NI4OS-Europe Training Platform


Browse our available courses or choose a readily available learning path to follow

Towards EOSC


NI4OS Training Events

Open Science


All Courses




EUROPEAN ODS




TECHNICAL



NI4OS



THEMATIC



GENERIC

Search results: 8

Assessing the FAIRness of Data



How to go about assessing the FAIRness of research data using freely accessible tools and resources.

- key terms and explain what they mean in a practical sense
- how data management planning can be used to make data FAIR from the very start of research projects
- how to use freely available tools to help assess the FAIRness of data

The course has been imported from the FOSTER project.

Category: [Open Science](#)

EOSC & FAIR



Essential information on EOSC and FAIR presented as promotion materials available in multiple languages.

Category: [Towards EOSC](#)

EOSC/FAIR promotion



This learning path is the starting point for anyone who is interested to understand what EOSC is and how it can help researchers achieve their goals. It also provides all the necessary material for a better knowledge of FAIR principles.

Category: [Learning Paths](#)

FAIR data and principles



Trainer: [Judit Éva Fazekas-Paragh](#)
 Trainer: [Edit Gorogh](#)
 Trainer: [Cees Hof](#)
 Trainer: [Rene Horik, van](#)
 Trainer: [Anastas Mishev](#)
 Trainer: [Ádám Száldobágyi](#)

FAIR data and principles

The FAIR data principles are a set of guiding principles to make data findable, accessible, interoperable and reusable. The principles provide guidance for scientific data management and stewardship in order to facilitate open science, the approach to scientific progress based on sharing available knowledge using collaborative tools and digital technologies.

The webinar will introduce and discuss the concepts of research data management and the FAIR data principles. Also, an overview of services and tools to support open science will be given. The webinar is aimed at data supporters working in universities and other scientific organizations. The aim of the webinar is that the participants can use the information provided in the webinar as a basis for further dissemination within their community.

The trainers in the webinar are Cees Hof and René van Horik, active in the EOSC-hub (eosc-hub.eu) project and working at DANS, the Netherlands institute for permanent access to digital research resources (dans.knaw.nl/en/) The EOSC-hub project aims to bring together service providers to support data-driven research.

FAIR Data and Software



This course aims to train junior scientists in implementing the FAIR principles for research data & software management & development. It discusses ways to identify similarities and differences between these two scientific objects and apply respectively appropriate good practices in preparing, publishing and archiving research work.

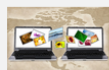


DOI [10.5281/zenodo.3707745](https://doi.org/10.5281/zenodo.3707745)

Leinweber, Katrin, Kraft, Angelina, Kuzak, Mateusz, Johnston, Luke, Hammitzsch, Martin, & Förstner, Konrad. (2018, July 16). FAIR Data and Software: A Carpentries-based workshop at TIB, Hannover. Carpentries-based "FAIR Data and Software" workshop (TIBFDS), Hannover, Germany. Zenodo. <https://doi.org/10.5281/zenodo.3707745>

Category: [Open Science](#)

Managing and Sharing Research Data



Data-driven research is becoming increasingly common in a wide range of academic disciplines, from Archaeology to Zoology, and spanning Arts and Science subject areas alike.

- which data can be open and which need to be protected
- how to go about writing a data management plan
- understand the FAIR principles
- select which data to keep and find an appropriate repository for them
- tips on how to get maximum impact from research data

For a citable version or to use this course offline, please refer to the print version which is available from [Zenodo](#).

The course has been imported from the [FOSTER project](#).

Category: [Open Science](#)

National Capacity Building Training - Serbia



This training event is part of a series of national capacity building training events organized under the NI4OS-Europe project. It is conceived as a two-hour session within the third edition of the Open Science Days, biannual two-day event dedicated to Open Science.

The main goal of the capacity building training is to inform Open Science stakeholders in Serbia about the role, tasks, and outputs of the NI4OS-Europe project and to raise awareness of EOSC and highlight the importance of interoperable infrastructure and services, FAIR principles, Research Data Management and openness throughout the research lifecycle.

Agenda of the Open Science Days: <http://open.ac.rs/don2020>

All presentations will be in Serbian.

Project partners who wish to join both the NI4OS capacity building training and other sessions within the Open Science Days are welcome.

There is a single registration for Open Science Days and the NI4OS capacity building training session.

Registration: <https://bit.ly/3en4ING>

FAIR training materials

- ❑ https://training.ni4os.eu/course/search.php?q=fair&areaid=core_course-course

EOSC training materials

- ❑ **EOSC Portal & Marketplace** – Official EOSC training materials that help end-users learn how to use the EOSC Portal & Marketplace: <https://training.ni4os.eu/course/view.php?id=97>
- ❑ **The Future of EOSC** – Webinar discussing the current state and future efforts related to EOSC, <https://training.ni4os.eu/course/view.php?id=118>
- ❑ **EOSC & FAIR** – Essential information on EOSC and FAIR presented as promotion materials available in multiple languages: <https://training.ni4os.eu/course/view.php?id=52>
- ❑ **EOSC/FAIR promotion** – This learning path is the starting point for anyone interested to understand what EOSC is and how it can help researchers achieve their goals. It also provides all the necessary material for a better knowledge of FAIR principles: <https://training.ni4os.eu/course/view.php?id=92>

Data Management Plans: <https://training.ni4os.eu/mod/scorm/view.php?id=767>

- ❑ This course introduces the concepts of data management and data management plans. After completing this course, participants will be able to:
- ❑ Understand the general rules of appropriate data management for responsible conduct of research.
- ❑ Be aware of good practice in managing research data in general and apply it within your work context.
- ❑ Use the information featured in the unit to draw up a data management plan and maintain it through the course of your research.

EOS Portal

➤ <https://eosc-portal.eu/>

Catalogue and marketplace:

<https://marketplace.eosc-portal.eu/services>

Glossary:

<https://www.eosc-portal.eu/glossary>

Video:

<https://youtu.be/oGEa10Rw5gE>

Training materials:

<https://eosc-portal.eu/using-the-portal>

NI4OS-Europe Open Call Training

The screenshot shows the top navigation bar of the EOS Portal website. It features the European Open Science Cloud logo on the left, followed by a navigation menu with links for 'About', 'Services & Resources', 'Help Desk', 'Policy', 'Use Cases', 'Media', 'For providers', and 'Using the Portal'. Below the navigation bar is a blue header with the text 'EOSC Portal - A gateway to information and resources in EOSC'. The main content area is titled 'Access the EOSC Portal Catalogue & Marketplace' and is divided into two tabs: 'Scientific Domains' (highlighted in yellow) and 'Categories'. Under 'Scientific Domains', there are nine categories represented by icons and text: Medical & Health Sciences, Engineering & Technology, Natural Sciences, Generic, Humanities, Agricultural Sciences, Social Sciences, and Other. Below this is a 'GET ENGAGED' section with four call-to-action buttons: 'Use EOSC Portal services' (with a target icon), 'Become a provider' (with a person icon), 'Subscribe to the newsletter' (with a document icon), and 'Promote your service' (with a server rack icon).

 All resour... ▾ 🔍

🏠 > Resources

All Resources 271

CATEGORIES

- Compute 41
- Data management 87
- Networking 11
- Processing & Analysis 65
- Security & Operations 16
- Sharing & Discovery 58
- Storage 26
- Training & Support 26

FILTERS

Scientific Domains ^

- Find or choose from the list below*
- Generic 142
 - Generic 141
 - Natural Sciences 82
 - Earth & Related Environmental Sciences 42
 - Biological Sciences 29
 - Physical Sciences 5
 - Chemical Sciences 3

Resources


1 - 10 of 271 results

Sort by:

Items on page

<h3>100 Percent IT Trusted Cloud</h3> <p>Infrastructure as a Service (IaaS), secured by cutting edge cybersecurity software co-developed by the University of Oxford</p> <p>Provided by: 100 Percent IT Trusted Cloud Scientific domain: Generic Dedicated for: Providers, Researchers, Businesses, Research Projects</p> <p><input type="checkbox"/> Add to comparison</p>	<p>🔌 ORDER REQUIRED</p>
<h3>3DBIONOTES</h3> <p>-</p> <p>Provided by: World-wide E-infrastructure for structural biology Scientific domain: Biological Sciences Dedicated for: Other</p> <p><input type="checkbox"/> Add to comparison</p>	<p>🔓 OPEN ACCESS</p>
	<p>🔓 OPEN ACCESS</p>

Service example




AMNESIA

Anonymize your datasets
Provided by: [OpenAIRE](#)

☆☆☆☆☆ (0.0 / 5) 0 reviews Add to comparison

[Access the resource](#)

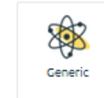
 OPEN ACCESS

[Webpage](#) [Helpdesk](#) [Helpdesk e-mail](#) [Manual](#) [Training information](#) [Ask a question about this resource?](#)

[ABOUT](#) [DETAILS](#) [REVIEWS \(0\)](#)

AMNESIA allows end users to anonymize sensitive data in order to share them with a broad audience. The service allows the user to guide the anonymization process and decide on a flexible trade-off between privacy guaranty and data utility. The service is offered through a web interface that allows users to explore the anonymized data visually. Moreover, the service detects duplicate anonymized files when they are uploaded to Zenodo. Reduce or eliminate the dangers to the privacy of the users that are associated with the data. Allow data owners or curators to safely share the data with other experts and to benefit from their processing on them.

SCIENTIFIC CATEGORISATION



- Generic
- Generic

CATEGORISATION

- Data Management
- Anonymisation

TARGET USERS

- Researchers
- Businesses
- Research Communities
- Research Organisations

TARGET USERS

- Researchers
- Businesses
- Research Communities
- Research Organisations

RESOURCE AVAILABILITY AND LANGUAGES







- English



Highcharts.com © Natural Earth

[More about AMNESIA](#) →

Service comparison

Comparison CLEAR ALL			
	  <p>EISCAT data access portal User portal for EISCAT data access and analysis. The EISCAT_3D Data Portal...</p>	  <p>OpenAIRE Explore Portal The OpenAIRE Discovery portal provides access to Open Access research...</p>	  <p>CESSDA Data Catalogue The CESSDA Data Catalogue contains the metadata of all data in the holdings...</p>
Providers	EISCAT Scientific Association	OpenAIRE	Consortium of European Social Science Data Archives ERIC
Resource order type	Order Required	Open Access	Fully Open Access
Scientific domain	Earth & Related Environmental Sciences	Generic	Other Social Sciences
Dedicated for	Researchers, Research Communities	Providers, Research Projects, Research Groups, Research Organisations	Researchers, Businesses, Research Communities, Research Organisations
Resource life cycle status	Beta	Production	Production
Geographical availabilities	World	World	World
Languages	English	English	Danish Dutch; Flemish English Finnish German Greek, Modern (1453-) Norwegian Slovenian Slovak
Tags		portal	data catalogue data discovery ddi metadata

NI4OS Catalogue



➔ <https://catalogue.ni4os.eu/>

Resources Providers Helpdesk

Recently on-boarded resources

REPOSITORY	ON-BOARDED	THEMATIC	ON-BOARDED	THEMATIC	ON-BOARDED	THEMATIC	ON-BOARDED	THEMATIC	ON-BOARDED	GENERIC	ON-BOARDED	GENERIC	ON-BOARDED	CORE	ON-BOARDED
VideoLectures.Net		CHERE		Clowder4DCH		Live Access Server		RS2C - Remote Sensing Scene Classification		ASNET-AM Cloud					
exchange ideas & share knowledge		One stop shop for digitizing cultural heritage		A flexible and extensible online content management system for Digital Cultural Heritage		Flexible access and visualization of geo-referenced scientific data.		Easy to use system for remote sensing scene classification		Cloud based on Openstack deployed at the Institute for Informatics and Automation Problems of NAS RA, Yerevan, Armenia					
VideoLectures.NET is an award-winning free and open access educational video lectures repository. The lectures are given by distinguished scholars and scientists at the most important and prominent events like conferences, summer schools, workshops and science promotional events from many fields of Science. The portal is aimed at promoting ...		CHERE Tools stands for Cultural Heritage Repository Tools and represents a set of web based tools aimed at people working in cultural heritage preservation and digitization, but is not limited to those uses as individual services can be used in a variety of ways. The service currently provides following functions: Structure from Motion ...		Clowder4DCH, a highly extensible active curation-based research data management platform. It contains three major extension points: preprocessing, processing and previewing. When new data is added to the system, preprocessing is off-loaded to extraction services for extracting appr...		The LAS enables the data provider to unify access to multiple types of data in a single interface, create thematic data servers from distributed data sources, and offer derived products on the fly. In the initial window screen, the user can select a new dataset using the 'Data Set' button on the t...		RS2C is a RESTful web service and web application for remote sensing scene classification based on convolutional neural networks. Currently, ResNet-50 pre-trained on ImageNet and fine-tuned on MLRSNet is used for classification. The web service is implemented in Python using TensorFlo...		ASNET-Cloud provides Infrastructure as a Service services (IaaS) to academia and stakeholders based on OpenStack middleware. The users launch virtual machines (1-64 CPU cores) via dashboard distributed in the following three zones (596 CPU cor...					
more		more		more		more		more		more					
AVITOHOL cloud		EOSC RoP Legal & Ethics Compliance Tool (RoLECT)		Leo HPC		License Clearance Tool (LCT)		Simple storage service		Accounting system					
Openstack Cloud. Institute of Information and Communication Technologies, Bulgarian Academy of Sciences		Guided self-assessment for EOSC Rules of Participation focusing on legal and ethical aspects of compliance		Leo - Hungarian GPU cluster		Automatic license clearance of derivative works		Research data storing and sharing.		accounting service usage					
The Avitohol Cloud service allows users to				KIFU has been operating its supercomputer infrastructure since 2001. The components of this infrastructure (computational and data		LCT aims to facilitate and automate the clearance of rights (copyright) for datasets.		The Simple Storage Service (SSS) is a secure data storage service provided to researchers for storing and sharing research data as well		The accounting service collects, analyzes and then provides information about the usage of services for example HPC usage, storage data,					

Service example


NanoCrystal

NanoCrystal is a novel web-based crystallographic tool that creates nanoparticle coordinates from any material crystal structure.

Helpdesk	User manual	Terms of use	Privacy policy	Access policy	Monitoring
----------	-------------	--------------	----------------	---------------	------------

NanoCrystal is a novel web-based crystallographic tool that creates nanoparticle models from any crystal structure guided by their preferred equilibrium shape under standard conditions according to the Wulff morphology (crystal habit). Users can upload a cif file, define the Miller indices and their corresponding minimum surface energies according to the Wulff construction of a particular crystal, and specify the size of the nanocrystal. As a result, the nanoparticle is constructed and visualized, and the coordinates of the atoms are output to the user.

Resource organization




Biomedical Research Foundation, Academy of Athens
Soranou Ephesiou 4, 11527 Athens, Greece (EL)

ON-BOARDED

[more](#)

Resource providers




National Infrastructures for Research and Technology
7 Kifisias ave., 11523 Athens, Greece (EL)

ON-BOARDED

[more](#)

THEMATIC ON-BOARDED



Website
<https://nanocrystal.vi-seem.eu/>

Readiness
TRL9

Domain
[Engineering & Technology](#)

Subdomain
[Materials Engineering](#) [Nanotechnology](#)

Category
[Software](#)

Subcategory
[Platform](#)

Target users
[Research Groups](#) [Businesses](#) [Innovators](#) [Students](#)
[Research Projects](#) [Researchers](#) [Research Organisations](#)

Access type
[Virtual](#)

Access mode
[Free](#)

Tags
[crystal](#) [equilibrium-shape](#) [surface-energy](#) [nanoparticle](#)

Research Data Management (RDM)

- ❑ RDM is a set of activities to collect and organize data most efficiently, and prepare it for future use and sharing with others.
- ❑ Funders', publishers' and scientific institutions' requirements for adequate data management and sharing are constantly becoming more frequent and rigorous.
- ❑ Advantages
 - ❑ Reduced risk of duplication of already collected data
 - ❑ Better protection against data loss
 - ❑ Greater transparency and repeatability of research
 - ❑ Higher citation
 - ❑ Better cooperation with other researchers, etc.

Data Management Plan (DMP)

- ❑ DMP is a document that describes the procedures for managing and storing data derived from a scientific project.
 - ❑ Serves as a framework for all project participants on how to manage and store data
 - ❑ It is established at the beginning of the project and all participants should be familiar with it
 - ❑ Revisions are allowed during the project
 - ❑ The development of DMPs has been made mandatory for most research funders

*“... 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 structure and content

- ❑ Data creation and collection
 - ❑ Format selection
 - ❑ Organization of files and folders
 - ❑ Naming
 - ❑ Versions
- ❑ Documentation and metadata
 - ❑ Questionnaires, program code, lab. notebooks, ...
 - ❑ Metadata: standardized, human and machine-readable
- ❑ Data protection
 - ❑ Backups
 - ❑ Access control – passwords, encryption
- ❑ Data sharing
 - ❑ “As open as possible, as closed as necessary” (H2020)
 - ❑ Licenses for later data usage
- ❑ Long-term storage
 - ❑ Selection of data for long-term storage
 - ❑ Data repositories

DMPs are unavoidable!

DMPs have become mandatory for most research funders

Europe:



USA:



Private funders: Wellcome trust, Gates foundation

Guidelines and templates (in line with FAIR principles)

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

DMP tools

- “Traditional” DMP – human-readable (PDF, DOCX)

- DMPOnline – DCC & Univ. of Edinburgh
 - DMP Tool – California Digital Library



- Machine-actionable DMP – human readable (PDF, DOCX), machine readable (JSON, RDF/XML)

- Argos (OpenAIRE and EUDAT)
 - Data Stewardship Wizard (Elixir CZ/ND)



➤ <https://argos.openaire.eu/>



More info at

https://training.ni4os.eu/pluginfile.php/5446/mod_resource/content/0/05_ARGOS.pdf

❑ Argos is


- ❑ Tool for machine-actionable DMPs (RDA Common Standards for maDMP)
- ❑ Free and open-source
- ❑ Provides translation into languages other than English
- ❑ Allows creation of funders' forms

Argos DMP tool

The screenshot displays the Argos DMP tool interface. At the top, there is a navigation bar with the Argos logo, a 'Start new DMP' button, and links for 'FAQ', 'EN', and a user profile. A left sidebar contains navigation options: 'Home', 'My DMPs', 'My Datasets', 'Public DMPs', and 'Public Dataset Desc.'. The main content area is titled 'Editing DMP' and 'Test new DMP', with a 'Save' button. It features a 'Guide steps' list: 1. Main info (7), 2. Funding info (3), 3. License info, 4. Dataset info, and 5. Dataset: NWO Testing Dataset Desc... (highlighted in yellow). Below the list is an '+ Add Dataset' button. The main content area is divided into sections: '1.1 Title of DMP*' with a text input field containing 'Test new DMP', and '1.2 Description' with a text area containing 'Here is the description of the project...'. A modal dialog is open on the right, containing questions 3.1.2 and 3.1.3. Question 3.1.2 asks 'Is there sufficient storage capacity during the project?' with radio buttons for 'Yes' (selected) and 'No', and a text input field for 'Please Specify' with a subtext 'Provide additional information or justification about your selection'. Question 3.1.3 asks 'Will the data be backed up regularly during the project? Who is responsible for this?' with radio buttons for 'Yes' and 'No', and a text input field containing 'Backup manager'. At the bottom of the page, there is a footer with the text 'NI4OS-Europe Open Call Training Event, 14 April 2022'.



 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

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/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

```
<?xml version="1.0" encoding="UTF-8"?><dmp>
  <description>This action will implement the new Plasma-Enhanced Chemical Solution Deposition
  and wood-based substrates. This technique synergistically employs plasma-chemistry in the gas p
  chemistry in the liquid formulation, thus combining all benefits of conventional surface coatin
  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 implementati

  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 coat
  (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
  <dmpName>DMP For Grant : Demonstration and implementation of an integrated process for the PI
  <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 Ch
  <id>80206f1f-0c80-4ded-b6ff-dbd596880dd1</id>
```

```
{
  "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 Vuškovac"
    } ],
    "cost" : [ ],
    "created" : "2020-08-06T18:19:38Z",
    "dataset" : [ {
      "dataset_id" : {
        "identifier" : "62c5029c-2322-4eb7-ba52-bf808de1c615",
        "type" : "other"
      },
    } ],
  }
}
```

NI4OS-Europe developed tools

- ❑ Address local issues with solutions for the wider EOSC community
- ❑ In compliance with EOSC FAIR service requirements from the outset
- ❑ Tools for researchers
 - ❑ **LCT – facilitating IPR decisions**
 - ❑ **RoLECT – dealing with legal and ethical aspects**
- ❑ Tool for repository and service managers
 - ❑ RePol – drafting of repository policies
- ❑ Will onboard to the EOSC Marketplace; currently in NI4OS-Europe Agora

LCT – License Clearance Tool



➤ <https://lct.ni4os.eu/>

Wiki: https://wiki.ni4os.eu/index.php/License_Clearance_Tool_-_Description_and_Documentation

Source: <https://github.com/ni4os-europe/license-clearance-application>

License: [EUPL \(European Union Public License 1.2+\)](#)

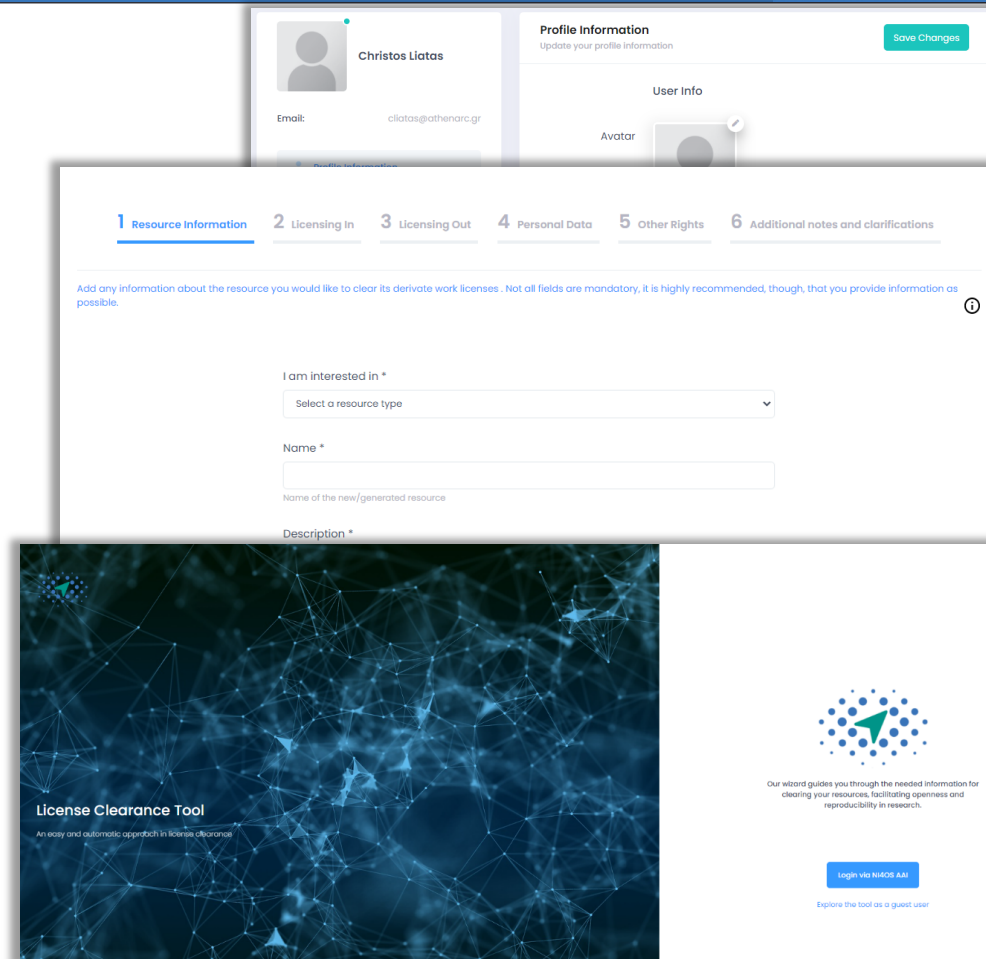
OSFair21 demo: <https://youtu.be/LYo5FLnJYJI?t=668s>

Training portal: <https://training.ni4os.eu/mod/scorm/view.php?id=1126>

- ❑ An intuitive tool for resource **license clearance**
- ❑ Automates the clearance of rights for **derivative** works
- ❑ Facilitates FAIRness and **reusability**
- ❑ **Mitigates legal uncertainty** and diminishes costs in the clearance of licensing issues

LCT features

- ❑ Wizard-based form to guide you through the required fields
- ❑ Two distinct workflows for derivative works
 - ❑ Resource driven
 - ❑ License driven
- ❑ Available for registered and guest users
- ❑ Custom report generation with all clearance information
 - ❑ Personal & ethics information included if available
- ❑ Clearance history for registered users



RoLECT – Tool for EOSC Rules of Participation



➤ <https://rolect.ni4os.eu/>

Wiki: https://wiki.ni4os.eu/index.php/EOSC_RoP_Legal_%26_Ethics_Compliance_-_Description_and_Documentation

Source: <https://github.com/ni4os-europe/rolect-application>

License: [EUPL \(European Union Public License 1.2+\)](#)

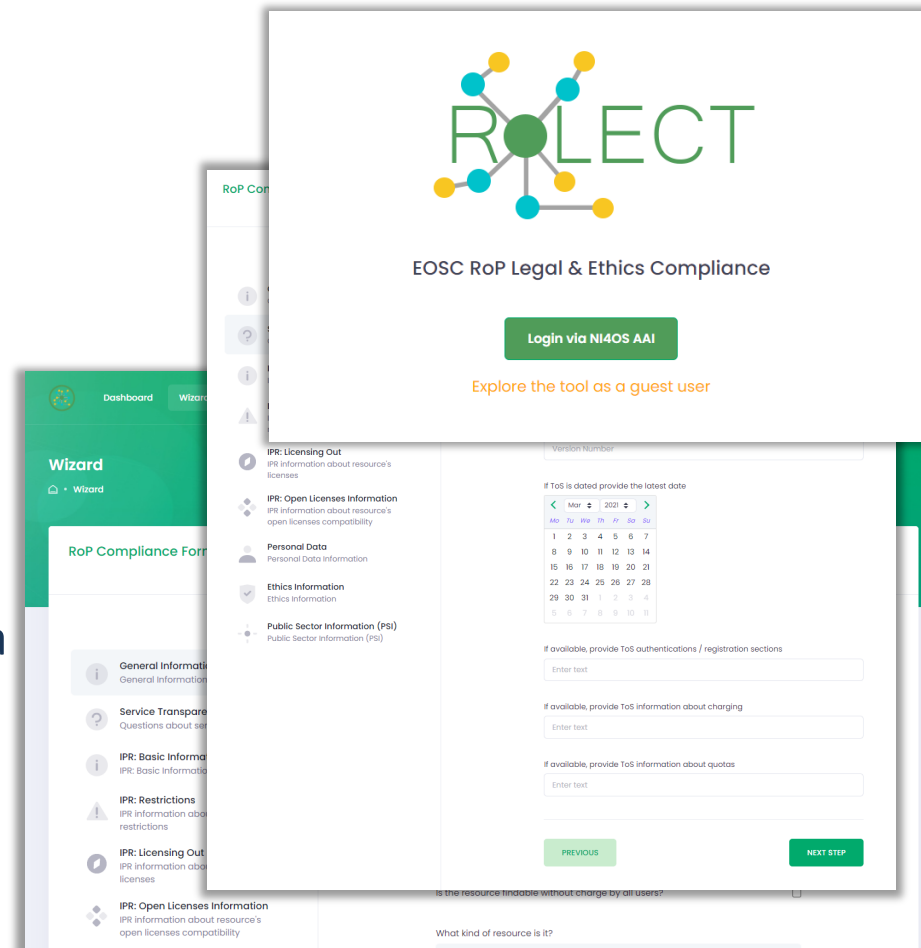
OSFair21 demo: <https://youtu.be/LYo5FLnJYJI?t=189>

Training portal: <https://training.ni4os.eu/mod/scorm/view.php?id=1178>

- ❑ **Self-assessment** tool against EOSC RoP focusing on Legal & Ethics aspect
- ❑ Designed to **promote compliance with EOSC RoP** & raise awareness
- ❑ Understand the main **priorities of EOSC RoP**
- ❑ Before starting the onboarding process, **prospective resource providers** can **verify if the resources** meet the legal & ethics standards of EOSC RoP
- ❑ Quick look at the main priorities of RoP to
 - ❑ Proceed to **corrective actions** for onboarding or
 - ❑ Proactively integrate **features ensuring compliance** into the resource

RoLECT features

- ❑ Guided compliance self-assessment for legal and ethics EOSC RoP
- ❑ Targets service providers, researchers and research organisations
- ❑ Mitigates legal uncertainty and ensures compliance with the key legal and ethical aspects
- ❑ Successfully reduces the time for compliance evaluations
- ❑ Mainstreams EOSC RoP compliance procedure, tracking changes, identifying and constructing a series of legal and ethical rules
- ❑ Will evolve aiming to become a standard assessment for EOSC RoP



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