

# Semantic Web Hackathon

## Info on Training Resources

- ▶ Events log @ NC Infrastructure
- ▶ NC User Guidance Handbook
- ▶ ELIXIR-TeSS
- ▶ NSC & NC YouTube channels
- ▶ NSC & NC Zenodo Communities

## Semantic Web Hackathon

- ▶ RDF & SPARQL
  - ▶ Lecture & hands on
- ▶ Ontologies
  - ▶ Lecture & hands on

*EU NSC-NanoCommons, NanoSolveIT, RiskGone, SbD4Nano  
Training, Hackathon, Webinar  
2021-12-08 & 2021-12-09, #nanocommons*

*by **Marvin Martens, Ammar Ammar, Denise Slenter,  
Jeaphianne van Rijn & Egon Willighagen**  
**Maastricht Univ, NL***

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814572, 814425, 862195.  
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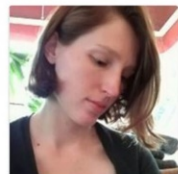
Martin Himly (PLUS)  
Chair WG-A Education,  
Training, Communication

[www.nanosafetycluster.eu](http://www.nanosafetycluster.eu)



## Nanosafety and the semantic web: from natural language to computational processing

8th and 9th of December 13.00-17.00h



Day 1 - Wednesday 8th of December 2021

Day 2 - Thursday 9th of December 2021

13.00 - 13.15	Welcome
<b>RDF and SPARQL</b>	
13.15 - 13.45	Introduction to RDF and SPARQL - <a href="#">Lecture</a> (Denise Slenter)
13.45 - 14.15	Gene variants in Wikidata - <a href="#">Hands on session</a>
14.15 - 14.45	Drug Targets in Wikidata - <a href="#">Hands on session</a>
14.45 - 15.15	<b>Break</b>
15.15 - 16.00	Overview of our SPARQL endpoints - <a href="#">Lecture</a> (Marvin Martens) <ul style="list-style-type: none"> <li>WikiPathways</li> <li>ChEMBL</li> <li>AOP-Wiki / AOP-DB</li> <li>Nanosafety</li> <li>Landscape</li> </ul>
16.00 - 16.45	Querying your SPARQL endpoint of choice - <a href="#">Hands on session</a>
16.45 - 17.00	Closing remarks

13.00 - 13.15	Welcome and recap Day 1
<b>Ontologies</b>	
13.15 - 13.45	Introduction to ontologies - <a href="#">Lecture</a> (Egon Willighagen)
13.45 - 14.10	Using the eNanoMapper ontology - <a href="#">Hands on session</a>
14.10 - 14.30	Extending the eNanoMapper ontology - <a href="#">Hands on session</a>
14.30 - 14.45	Entering and analysing nano safety data - <a href="#">Hands on session</a>
14.45 - 15.15	<b>Break</b>
15.15 - 15.45	SbD4Nano landscape - <a href="#">Lecture</a> (Jeaphianne van Rijn)
15.45 - 16.15	Querying the SbD4Nano SPARQL endpoint - <a href="#">Hands on session</a>
16.15 - 16.45	Q&A session
16.45 - 17.00	Closing remarks



21 – 25 Jun 2021

### Online MIE Prediction Tool Webinar

Webinar, Training, Workshop (organized by NanoCommons)

18 May 2021 / online event

United Kingdom Research and Innovation (UKRI)

National University of Ireland Dublin - University College Dublin (NUID-UCD)

BioNanoNet (BIONANONET)

Universitat Salzburg / Paris Lodron University of Salzburg (PLUS)

### Online QSAR Modelling Hackathon by Easy Access to Jaqpot: Deploy your model as a web service in a few minutes

Webinar, Hackathon, Training, Workshop (organized by NanoCommons)

13 Apr 2021 / online event

The University of Birmingham (UoB)

United Kingdom Research and Innovation (UKRI)

National Technical University of Athens (NTUA)

BioNanoNet (BIONANONET)

Universitat Salzburg / Paris Lodron University of Salzburg (PLUS)

### Online SPARQL Access to WikiPathway and AOP-Wiki Webinar

Webinar, Hackathon, Training, Workshop (organized by NanoCommons)

23 Mar 2021

United Kingdom Research and Innovation (UKRI)

BioNanoNet (BIONANONET)

Universitat Salzburg / Paris Lodron University of Salzburg (PLUS)

Universiteit Maastricht (UM)

### European Researchers Night 2020

Trade show / Exhibition, Webinar, Workshop (co-organized by NanoCommons)

27 Nov 2020

Universitat Salzburg / Paris Lodron University of Salzburg (PLUS)

### EU Nanosafety Cluster Training Day @ NanoSAFE 2020 Digital Conference

Trade show / Exhibition, Webinar, Hackathon, Training, Workshop (organized by NanoCommons)

23 Nov 2020 / Online

The University of Birmingham (UoB)

Edelweiss Connect GmbH (EWC)

United Kingdom Research and Innovation (UKRI)

National Technical University of Athens (NTUA)

National University of Ireland Dublin - University College Dublin (NUID-UCD)

LEITAT - ACONDICIONAMIENTO TARRASENSE ASSOCIACION (LEITAT)

Universitat Salzburg / Paris Lodron University of Salzburg (PLUS)

NovaMechanics Ltd (NovaM)

BIOMAX Informatics AG (BIOMAX)

Universiteit Maastricht (UM)

### EU Nanosafety Cluster Education Day @ NanoSAFE 2020 Digital Conference

Webinar, Training, Workshop (organized by NanoCommons)

16 Nov 2020

The University of Birmingham (UoB)

Edelweiss Connect GmbH (EWC)

United Kingdom Research and Innovation (UKRI)

National Technical University of Athens (NTUA)

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NanoCommons  
Nano-Knowledge Community

# NanoCommons User Guidance Handbook

Home / e-Infrastructure / NanoCommons User Guidance Handbook



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## NanoMaterialCommons User Handbook

Search NanoMaterialCommons User Handbook

Home

Data management

FAIRification

Nanoinformatics

Training courses

NSC day 2021

Nanosafety training school 2021

Demonstration cases

About & partner projects

## Complete series of training materials

In addition to structuring the material by topic, as was done in other sections, we list here courses and series of training materials that provide an overview of nanosafety and nanoinformatics useful for beginners or people looking to get an overview of the areas. Parts of these courses are then also linked in the sections that cover the specific topic.



[www.nanocommons.eu](http://www.nanocommons.eu)

### NSC day 2021

This day acted as guidance for the entire NanoSafety community, including young researchers, to highlight how individual research projects fit as a puzzle piece into the wider picture. It shall be an orientation-giving and educational event depicting the overall strategy behind NanoSafe(ty). →

### Nanosafety training school 2021

The School features keynote speeches a variety of hands-on sessions aimed to transfer state-of-the-art knowledge on a variety of topics from key experts to the new generation of nano-environmental, health and safety, and biomedicine professionals, using interprofessional education. →

Powered by NanoCommons and Seven Past Nine and based on Jekyll and Just the Docs.

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NanoSafety  
Cluster



elixir **Events** Materials e-Learning Workflows Providers About

Log in Register

Search training...

Home / Events

**Date Added**  
Anytime

**Scientific topic**  
Ontology and terminology 1

**Event type**  
Workshops and courses 12  
Meetings and conferences 3

**Online**  
☐ Only show online events

**Country**  
Greece 1  
Portugal 1

**Organizer**  
Martin Himly, PLUS, Chair o... 6  
www.nanocommons.eu 5  
NanoCommons 2  
Martin Himly, PLUS, Chair o... 1

**City**  
Athens 1  
Braga 1

**Sponsor**  
NanoCommons 5  
EU H2020 4  
NanoSolveIT 3  
EU H2020 NanoCommons 2  
Austrian Science Fund grant... 1  
NanoRigo 1  
Nanocommons 1  
RiskGone 1  
https://nanorigo.eu/ 1

**Target audience**  
mixed audience 10  
Life Science Researchers 2

**Register event** **Subscribe**

**Hide past events**

**What are events in TeSS?**

Search events...

**16 events found**

Content provider: **NanoCommons**

**Grid** **Map**

**Online Japnot Hackathon**  
3 June 2020

**Getting into using ELNs for experimental and computational workflows**  
14 July 2020

**Online SPARQL Access to WikiPathways and AOP-Wiki Webinar**  
23 March 2021

**Risk Governance Session at the 10th Nanosafety Training School**  
24 June 2021

**Total NanoSafe Hybrid Conference - From Molecules to Public Health**  
11 - 12 November 2021  
Braga, Portugal

**Online MIE Prediction Tool Webinar**  
18 May 2021

**Online QSAR Modelling Hackathon by Easy Access to Japnot**  
13 April 2021

**56th Eurotox Conference - Personalized nano-immunotoxicology for the workplace**  
27 September 2021

**Assessing ethical impacts of nanomaterials in dentistry**  
18 November 2021

**Nanosafety and the semantic web: from natural language to computational processing**  
8 - 9 December 2021

**Interactive Workshop: If you want to go far go together - Collaborative research supported by NanoCommons transnational access**  
9 November 2021

**EU Nanosafety Cluster Training Day @ NanoSAFE 2020 Digital Conference**  
23 November 2020

**EU Nanosafety Cluster Education Day @ NanoSAFE 2020 Digital Conference**  
16 November 2020

**Annotating Your Experimental Data workshop**  
28 April 2020




**Ontological Annotation of Datasets: "1st NanoCommons Hackathon"**  
9 October 2018  
Athens, Greece


<https://tess.elixir-europe.org>





# Upcoming training events – Jan 13, 15-17 h CET


## “Electronic Lab Notebooks - Demo of NC-powered Features”


SciNote  NanoCommons - Training  Search for something... Go! 


 Overview


 Projects


 Inventories


 Protocols




 Reports

 Activities

 Settings


 Support


 Courses


 New task  New protocol  New report


### Current tasks

ASSIGNED TO ME ALL

Templates / Polymerase chain reaction  
**Data analysis - ddCq** 

Templates / Polymerase chain reaction  
**Data quality control** 


Templates / Polymerase chain reaction  
**Experiment design** 


Templates / Polymerase chain reaction  
**qPCR** 


Templates / Polymerase chain reaction

### Recent work

ALL PROJECTS INVENTORIES PROTOCOLS REPORTS

Reagents  22-Jun-2021, 11:57

My experiment 1  03-May-2021, 14:28

Test 1  03-May-2021, 14:27

« September 2

Su	Mo	Tu	We
29	30	31	1
5	6	7	8
12	13	14	15
19	20	21	22
26	27	28	29
3	4	5	6

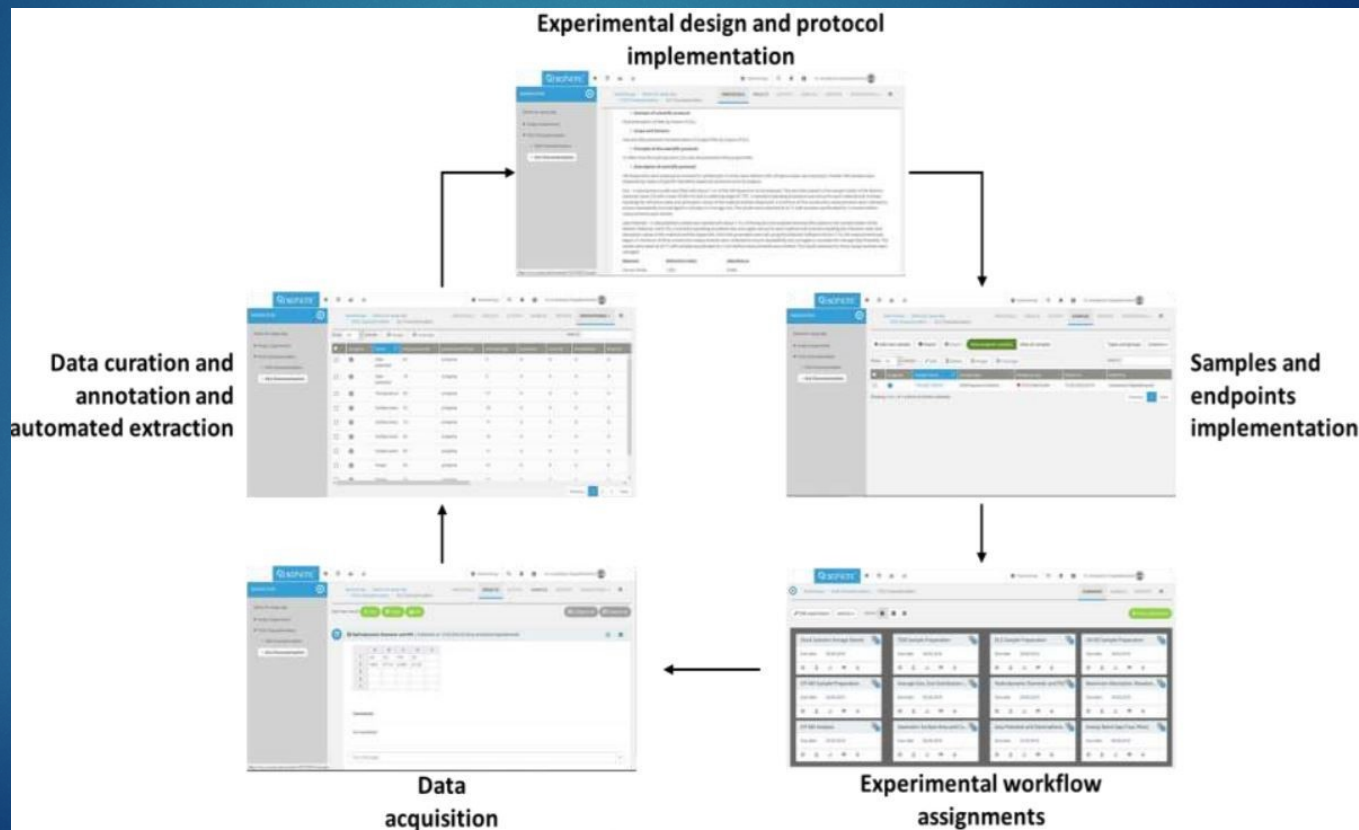


# Upcoming training events – Jan 27, 15-17 h CET

## “Electronic Lab Notebooks – Getting Your Hands on”



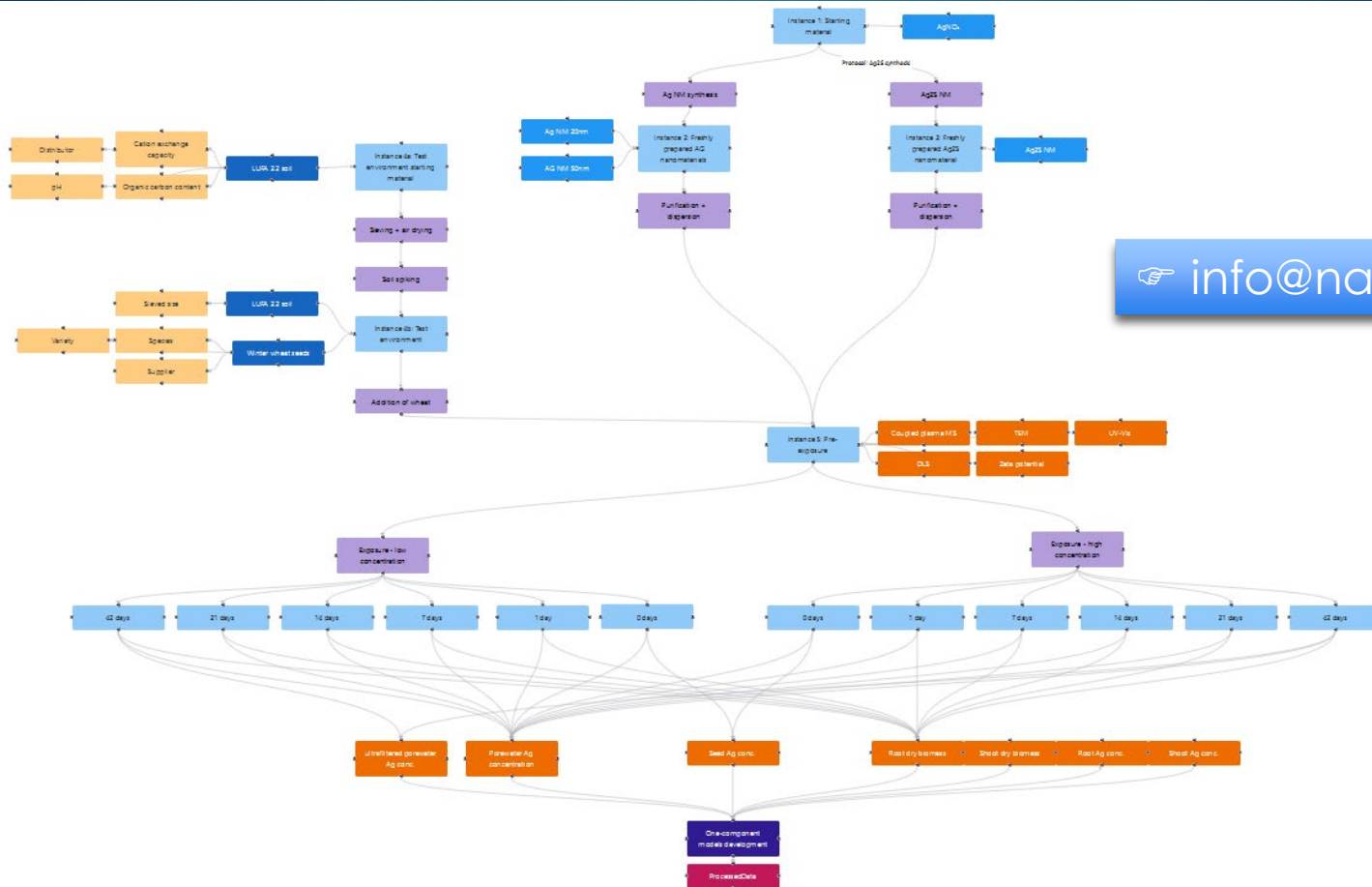
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# Friday trainings on instance mapping



NanoCommons  
Nano-Knowledge Community



[info@nanocommons.eu](mailto:info@nanocommons.eu)





# Useful links:

**User Guidance Handbook @ [www.nanocommons.eu](http://www.nanocommons.eu)**

- ▶ <https://www.nanocommons.eu/e-infrastructure/user-guidance-handbook/>

**Training events and materials @ NanoCommons Infrastructure**

- ▶ <https://infrastructure.nanocommons.eu/events/>

**NanoCommons @ ELIXIR TeSS**

- ▶ [https://tess.elixir-europe.org/content\\_providers/nanocommons#events](https://tess.elixir-europe.org/content_providers/nanocommons#events)

**NanoCommons community @ Zenodo**

- ▶ <https://zenodo.org/communities/nanocommons>

**NanoCommons Channel @ YouTube**

- ▶ <https://www.youtube.com/channel/UCuawpRvXNpglwyeltfTctw>

**mailing list of WG-A Education, Training, Communication**

- ▶ [www.nanosafetycluster.eu](http://www.nanosafetycluster.eu)

Thank you for joining our Webinar!