

Toxicology ELIXIR Community Proposal

Egon Willighagen, #ELIXIR18, 2018-06-05

Who we are

- Bob van de Water (EU-ToxRisk coordinator)
- Thomas Exner (OpenRiskNet coordinator)
- Iseult Lynch (NanoCommons coordinator)
- Hristo Aladjov (Effectopedia)
- Clemens Wittwehr (JRC)
- Antony Williams (USA EPA)
- Nina Jeliazkova (AMBIT, Toxtree)
- Coordinators
 - Rob Stierum: TNO (strong toxicology research background)
 - Chris Evelo: ELIXIR-NL, ELIXIR Interoperability, Open PHACTS, ...
 - Me: ELIXIR-NL, eNanoMapper, EU-ToxRisk, OpenRiskNet, former chair EU NanoSafety Cluster Database WG, NanoCommons, ...



bio.tools



And many more: Alfonso Valencia (ELIXIR-ES), Ferran Sanz (ELIXIR-ES), Lydie Lane (ELIXIR-CH), Ola Spjuth (SE), Haralambos Sarimveis (GR), Jos Kleinjans (NL), Danyel Jennen (NL), Daan Geerke (NL), Cedric Notredame (ES), Emma Schymanski (LU), Hervé Ménager (ELIXIR-FR, bio.tools), Roland Grafström (SE/FI), Penny Nymark (SE), Rabea Gräpel (NL), Sylvia Escher (DE), Hennicke Kamp (DE), Jos Bessems (DE)

Infrastructures and Enablers



Virtual Research Environment

Docker, CWL, ...

Ontologies

BFO/OBO-based, EDAM

API ...

OpenAPI, bio.tools, EDAM

FAIR Data

Linked to core resources

Outreach activities

BioSchemas, TeSS, ...



Proteomics,
Metabolomics



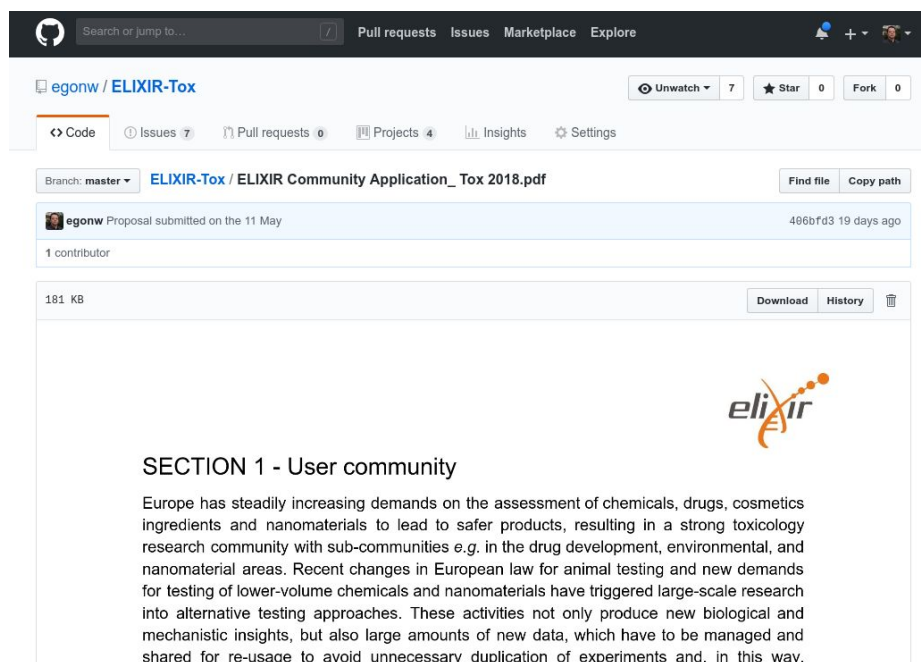
Our model and What's next

Large community, little funding

- Leverage from existing activities
- Open Science at the core
 - mutual benefit
 - not selection criterion
- Open Innovation

If the HoNs give green light for next phase:

1. Widen up invitation for those who are interesting in this model
2. Organize meeting to set priorities
3. Write up positioning paper



F1000Research
Open for Science

<https://github.com/egonw/ELIXIR-Tox>

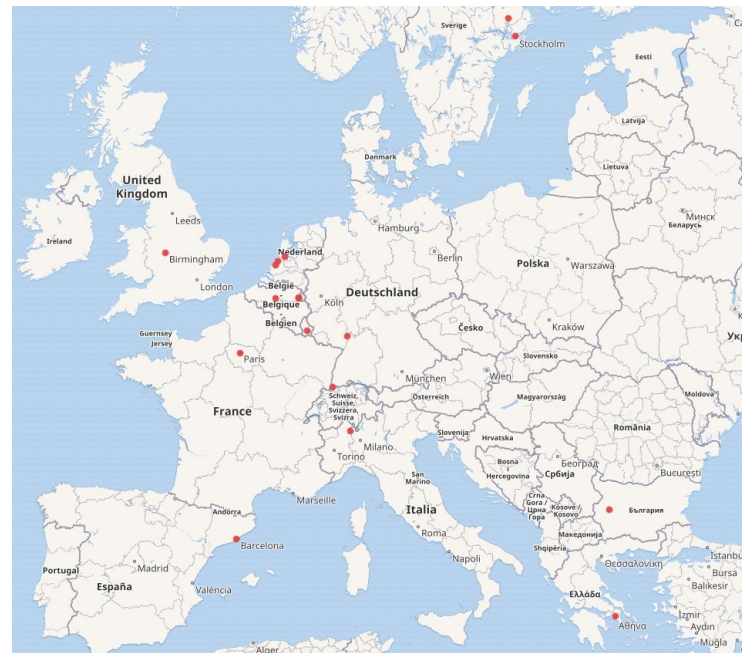
How to join or just connect

Mailing list

<https://groups.google.com/forum/#!forum/elixir-tox>

GitHub

<https://github.com/egonw/ELIXIR-Tox>



7 Open 8 Closed		Author	Labels	Projects	Milestones	Assignee	Sort
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Updating of discovery services	NanoCommons OpenRiskNet				
#16 opened 26 days ago by thomasexner							
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Classification of bio.tools	bio.tools				
#15 opened 26 days ago by thomasexner							
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Semantic layer to generate bio.tools entries	NanoCommons OpenRiskNet bio.tools				1
#14 opened 26 days ago by thomasexner							
<input type="checkbox"/>	<input checked="" type="checkbox"/>	DOIs for datasets in eNanoMapper databases, BioStudies and other standard data repositories	EU-ToxRisk NanoCommons OpenRiskNet eNanoMapper				
#13 opened 26 days ago by thomasexner							
<input type="checkbox"/>	<input checked="" type="checkbox"/>	update and finish the eNanoMapper tutorial on making nanotox data available with RDF	BioSchemas eNanoMapper task				
#12 opened 27 days ago by egonw							
<input type="checkbox"/>	<input checked="" type="checkbox"/>	get eNanoMapper tutorial listed in TeSS	NanoCommons OpenRiskNet TeSS eNanoMapper task				4
#10 opened 27 days ago by egonw							
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Prepare 2018 ELIXIR All Hands meeting for new communities	task				1
#8 opened 28 days ago by egonw							

1	Participant	Node	Institute	Country	Projects (Incomplete)
2	Egon Willighagen	NL	Maastricht University	The Netherlands	NanoCommons, OpenRiskNet, eNanoMapper, Open PHA
3	Rob Stierum		TNO	The Netherlands	
4	Ola Spjuth		Uppsala University	Sweden	OpenRiskNet
5	Nina Jeliczkova		IdeaConsult Ltd	Bulgaria	eNanoMapper
6	Thomas Exner		Douglas Connect	Switzerland	NanoCommons, OpenRiskNet, eNanoMapper, EU-ToxRisk
7	Chris Evelo	NL	Maastricht University	The Netherlands	OpenRiskNet, EU-ToxRisk, Open PHACTS, ELIXIR-NL
8	Haralambos Sarimis		National Technical University of Athens	Greece	NanoCommons, OpenRiskNet, eNanoMapper
9	Jos Kleijmans		Maastricht University	The Netherlands	6Xa, DETECTIVE, NanoCommons, TransQST, EU-ToxRisk
10	Danyel Jennen		Maastricht University	The Netherlands	6Xa, DETECTIVE, NanoCommons, TransQST, EU-ToxRisk
11	Daan Geerke		Vrije Universiteit	The Netherlands	OpenRiskNet
12	Isoult Lynch		University of Birmingham	UK	NanoCommons, OpenRiskNet
13	Cedric Notredame		Centre de Regulació Genòmica	Spain	OpenRiskNet
14	Emma Schymanski		University of Luxembourg	Luxembourg	NORMAN
15	Roland Grafström		Misvik Biology Ltd	Finland	
16	Hervé Ménager		Institut Pasteur	France	bio tools
17	Lydie Lane	CH	SIB-Swiss	Switzerland	
18	Penny Nymark		Karolinska Institutet	Sweden	
19	Antony Williams		U.S. EPA	US	
20	Bob van de Water		Leiden University	The Netherlands	EU-ToxRisk
21	Rabea Gröpel		Leiden University	The Netherlands	EU-ToxRisk
22	Alfonso Valencia	ES	Barcelona Supercomputer Center	Spain	eTOX, eTRANSafe
23	Ferran Sanz	ES	Universitat Pompeu Fabra	Spain	eTOX, eTRANSafe, EXCELERATE
24	Hristo Aladjov		OECD Environment Directorate	France	Effectopedia
25	Sylvia Escher		Fraunhofer Institute for Toxicology and Experimental Medicine	Germany	EU-ToxRisk
26	Hennicke Kamp		BASF	Germany	
27	Clemens Wittwehr		JRC-ISPRA	Switzerland	
28	Jos Bessems		VITO Health	Belgium	