

# Open Infrastructures #2: the SURF Fediverse

Egon Willighagen 

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Mastodon, Peertube, Vhp4safety, Fair4chemnl

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## chem-bla-ics

When I first started writing this post, I started writing up why scientific communication is important, but because I started explaining what needs improving, and what are underlying causes why change is not happening, it got dark pretty quickly. So, I deleted that essay again. Instead, let's just enjoy the awesome and long list of solutions we have for scientific discourse. Readers of my blog can find many posts in the past 20 years about the diversification. One thing I will say before I move one, is a reply to the argument that journal-based peer review is essential to the quality of research: if the quality of your research is dependent on your peers, then please rethink why you are doing research.

Now, about the [fediverse](#)...

## Mastodon (service by SURF)

[Mastodon](#) is one of the more well-known corners of the fediverse, and I [blogged about it before](#). It is intrinsically open, while it has extensive options to make things more private. It is like Twitter but then without the central control. It is unlike Slack, [Zulip](#), and LinkedIn which has clear walls around communities. It also is unlike past efforts like Google Wave and [FriendFeed](#) which created much more structured discourse.

But I enjoy Mastodon. It has all the good science, the friendly, helpful people, and I have many options to block people, fediverse servers, and even individual keywords (you can remove anything "PFAS", for example, something hard in the real world). But you also have linear timeline, with just content of the people you follow.

And, with the [SURF social.edu.nl](#) server, every researcher from a SURF-linked research institute can get an account there via [SURFconext](#) (the Mastodon solution may need to be activated by your institute first; if so, ask your institute ICT to enable it). The list of accounts on this SURF Mastodon server shows [a varied list of people and organisations](#), but you can also check this list of [80 Ways to follow Research, Science and Education on Mastodon](#). Or [this list of Wikidata queries](#).

I think every organization that communicates their research should have at least one open world communication channel, and if they then like to keep their wall-garden LinkedIn account too, that is fine. But societal impact for just a select group of people feels a bit awkward to me.

## PeerTube (service by SURF)

But SURF operates a second fediverse server, one using the [PeerTube](#) software, also extended with the SURFconext interoperability. PeerTube is a platform to share videos, like YouTube. Just before the winter holiday, I got the opportunity to create two project accounts on SURF's [video.edu.nl](#), one for the [VHP4Safety](#) project and one for the [FAIR4ChemNL](#) project.

The cool thing actually is that SURFconext has group accounts via [SURFconext Invite](#) (it was earlier called *SURFconext Teams*), so these two PeerTube channels are operated by two or more

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people from the project, and the two videos that are now available, have not actually been uploaded by me.

But I am very excited we now have channels to share our video communication, [here for VHP4Safety](#):

The screenshot shows the YouTube channel page for VHP4Safety on the video.edu.nl platform. The page layout includes a left sidebar with navigation options like 'Quick access', 'My library', and 'My video space'. The main content area features the channel's profile picture, name 'VHP4Safety', and handle '@vhp4safety'. A description explains the Virtual Human Platform (VHP) project. Below the description, there are tabs for 'Channels' and 'Videos', with 'Videos' selected. A search bar for account videos is present. The video list shows a single video titled 'VHP4Safety Project Video' with a thumbnail of a woman speaking. The video is 3:16 long and has 7 views.

video.edu.nl

Search videos, channels...

VHP4Safety @vhp4safety

Manage account

ACCOUNT

**VHP4Safety**

@vhp4safety

3 subscribers • 1 video

The Virtual Human Platform (VHP) is developed through the VHP4Safety project to support chemical and pharmaceutical safety testing. VHP aims to facilitate the prediction of harmful effects of chemicals and pharmaceuticals by integrating human physiology, chemical properties, and biological pathway disturbances. VHP provides you with human-relevant tools and models for precision safety evaluation, helping you reduce reliance on laboratory animals. With VHP, you can assess chemicals for human use, including vulnerable populations such as infants, the elderly, and individuals with health conditions.

Channels Videos

Search account videos

Recently added Trending

Sensitive content: hidden More filters

Sort by: Recently Added

Virtual Human Platform VHP

VHP4Safety

**VHP4Safety Project Video**

2 weeks ago • 7 views

And [here for FAIR4ChemNL](#):

**video.edu.nl**

Search videos, channels...

VHP4Safety @vhp4safety

ACCOUNT

**fair4chemnl** ...

@fair4chemnl

9 subscribers • 1 video

Subscribe to all channels

Chemistry is often a field full of barriers—between researchers, between disciplines, and even between data systems. FAIR4ChemNL is here to change that. By promoting open science and developing new data management solutions, this project will make chemistry more accessible, collaborative, and innovative. Our approach brings together experts from across the Netherlands and beyond, ensuring that discoveries in one area of chemistry can benefit others. By sharing data openly and making it easier to work together, we aim to speed up breakthroughs that matter for the future of energy, materials, and more.

Channels **Videos**

Search account videos

Recently added Trending

Sensitive content: hidden More filters

Sort by: Recently Added

FAIR4ChemNL project  
Starting in September 2025

Find out more at  
nes@tdcc.nl  
tdcc.nl/nes/

supported by  
TDCC  
NES

FAIR4ChemNL Video Channel

**FAIR4ChemNL : a TDCC-NES project starting in 2025**

7:08