

## OSC-NL AND NLRN TEAM UP TO COLLABORATE ON OPEN AND REPRODUCIBLE SCIENCE IN THE NETHERLANDS / BY OSC-NL AND NLRN

Innovations and initiatives that increase the openness and reproducibility of science have recently gained a lot of traction. These overlapping endeavors strive to accelerate scientific progress and increase trust in science, and are intrinsically intertwined. The Netherlands is a front-runner in open and reproducible science. This is not only reflected in national and institutional policies, but also - and perhaps even more so - in the active networks and communities of researchers and stakeholders that put Open Science (OS) and Reproducible Science (RS) to practice.

A striking example of this are the Dutch of Open Science Communities (**OSC-NL**). OSC-NL is a thriving and growing national community of over 2000 members with local hubs in all university cities, where people come together to learn from each other how to put Open Science to practice. OSC-NL consists primarily of researchers and scholars, but also includes support staff, policy makers and students. Over the years, OSCs have organised a plethora of events and activities to make Open Science practices more visible and accessible at local institutions, ranging from workshops, symposia, barcamps, blogs, awards and newsletters to social media campaigns. Moreover, OSC-NL provides input to policy and services on behalf of their community members on the local and national level, shaping the transition to Open Science according to the wishes and needs as experienced by researchers.

A recent addition to this landscape is the Dutch node of the Reproducibility Networks (**NLRN**). NLRN is a national peer-led network with the goal to increase the quality and efficiency of scientific research in the Netherlands by coordinating, supporting and strengthening initiatives on reproducibility and transparency in all scholarly disciplines. It promotes training activities, curates and disseminates best practices, supports meta-scientific research, and coordinates efforts in collaboration with local initiatives, research institutes and other stakeholder organizations.

While OSC-NL and NLRN both strive to accelerate the uptake of OS and RS in the Netherlands, they fulfill distinct and complementary roles in the academic landscape. By specifying these roles and synergies, possibilities for collaboration become apparent. This is particularly relevant and timely, as both OSC-NL and NLRN are part of growing international networks, with OSCs and RNs being active in the same countries ever more often.

OSC-NL is a national community of researchers and research supporters who make their OS practices visible and accessible to their peers. Moreover, OSC-NL provides input to policy, infrastructure and services to both local and national stakeholders.

NLRN has a different approach that is complementary to that of OSC-NL. It is a network that **connects stakeholders**, such as research institutes, funders, publishers and local communities, to promote **alignment** between these stakeholder groups, with a particular focus on research practices concerning **reproducibility**. In addition, NLRN provides **training and support** on these specific practices. Finally, NLRN also connects and facilitates **meta-scientists**, with the aim to stimulate the exchange between science and practice on reproducibility, replication and related topics.

OSC-NL and NLRN are well-connected with many people being active in both networks. They are currently shaping the most efficient way to work together to stimulate open science practices and especially fostering reproducible and transparent research in all scholarly disciplines in the Netherlands. This includes OSC-NL acting as 'Local Network Leads' in NLRN (one of the main stakeholder groups) and NLRN providing content for training in local OSCs on topics related to reproducibility. A natural way of future collaboration could focus on one or more OSC-NL working groups focussing on reproducibility, the impact of which could be leveraged by NLRN by connecting these working groups with related initiatives and stakeholders. Another example could be joint activities in the form of symposia or other events, such as guidance on how to organise local Repro-Hacks. With NLRN and OSC-NL teaming-up, you can expect many new events and initiatives in the years to come. The future is open and reproducible!

	<b>OSC-NL</b>	<b>NLRN</b>
<b>Brief description</b>	OSC-NL is a national community of researchers and research supporters who make their OS practices visible and accessible to their peers. Moreover, OSC-NL provides input to policy, infrastructure and services to both local and national stakeholders.	NLRN is a network that brings together institutes, local initiatives and other stakeholders to increase the reproducibility of science.
<b>Keywords</b>	<ul style="list-style-type: none"> <li>• Raising awareness</li> <li>• Outreach &amp; onboarding</li> <li>• Peer-to-peer learning</li> <li>• Shifting norms and culture</li> <li>• Input to policy, infrastructure and services</li> </ul>	<ul style="list-style-type: none"> <li>• Stakeholder alignment</li> <li>• Agenda setting</li> <li>• Training &amp; support</li> <li>• Meta-science</li> </ul>
<b>Established in</b>	2018	2023
<b>Current memberships</b>	OSC-NL currently consists of 2000+ members across 12 local OSCs. Members are primarily researchers and scholars, but also consist of research support staff and students.	1 institutional member (endorsed by 2 other institutions), 4 local community members involved, external stakeholder organizations.
<b>International networks</b>	OSC-NL is part of the International Network of Open Science and Scholarship Communities (INOSC), with 32 local hubs active in 16 countries (and growing).	NLRN is part of the international network of RNs, active in at least 19 countries or regions (and growing)
<b>Aims</b>	<ul style="list-style-type: none"> <li>• Make Open Science practices of researchers and scholars more <b>visible</b></li> <li>• Reach out to and engage <b>newcomers</b> to open science</li> <li>• Stimulate <b>peer-to-peer knowledge exchange</b>, within and across disciplines</li> <li>• <b>Provide input</b> to policy, infrastructure and services on a local and national level.</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Promote, support and coordinate</b> efforts to implement transparent and <b>reproducible workflows</b></li> <li>• Assist in the exchange and further development of <b>innovations</b> in research on reproducibility, amongst others by supporting <b>meta-science</b> on reproducibility related topics.</li> </ul>
<b>Governance</b>	<ul style="list-style-type: none"> <li>• OSC-NL consists of 12 local OSCs</li> <li>• Local OSCs have a core team and/or community manager</li> <li>• OSC-NL is governed by the OSC-NL board</li> <li>• OSC-NL is currently setting-up an Advisory Board (which will include representation from NLRN)</li> </ul>	<ul style="list-style-type: none"> <li>• NLRN is governed by a steering committee (which includes representation from OSC-NL) and, supported by a coordinator</li> <li>• NLRN has an Advisory Board in place (which includes representation from OSC-NL)</li> </ul>
<b>Websites</b>	<a href="http://www.osc-nl.com">www.osc-nl.com</a>	<a href="http://www.reproducibilitynetwork.nl">www.reproducibilitynetwork.nl</a>

This document is a joint-effort of the OSC-NL board and the NLRN steering board, with contributions from:

[Loek Brinkman](#) (OSC-NL, DANS)

[Anita Eerland](#) (OSC-NL, Radboud University Nijmegen)

[Anna van 't Veer](#) (OSC-NL, Leiden University)

[Vera Heininga](#) (OSC-NL, Groningen University)

[Taichi Ochi](#) (OSC-NL, University of Groningen)

[Rianne Fijten](#) (OSC-NL, Maastricht UMC)

[Caspar van Lissa](#) (OSC-NL, Tilburg University)

[Raúl Zurita-Milla](#) (OSC-NL, NLRN, University of Twente)

[Alexandra Sarafoglou](#) (OSC-NL, NLRN, University of Amsterdam)

[Michiel de Boer](#) (NLRN, Groningen University)

[Anne Scheel](#) (NLRN, Utrecht University)

[Hans van Eyghen](#) (NLRN, Tilburg University)

[Tamarinde Haven](#) (NLRN, Tilburg University)

[Melanie Imming](#) (Imming Impact)

For more information, please contact Loek Brinkman ([loek.brinkman@dans.knaw.nl](mailto:loek.brinkman@dans.knaw.nl)) or Michiel de Boer ([m.r.de.boer@umcg.nl](mailto:m.r.de.boer@umcg.nl))