fostering cross-disciplinary workflows that connect physics, chemistry, data science, machine learning, computing and domain knowledge in a coherent and scalable way are key to accelerating scientific discovery.

This priority will be advanced through the launch of two to three national demonstrators in areas that clearly show the value of advanced scientific workflows, such as climate and water system modelling, AI-accelerated materials discovery and real-time biomedical modelling. These demonstrators should be linked to the Dutch Computational Science Day, the annual national Computational Science confrence, for agenda-setting and aligned with national hackathons to stimulate interdisciplinary collaboration. In addition, Computational Science NL will support the formation of national consortia in preparation for future NWA calls along these lines, with the aim of positioning computation as a core driver of all scientific workflows, including experimental ones. This priority will also connect to existing lifelong learning initiatives, in collaboration with the education committee of Computational Science NL, to support continuous skills development, and it will strengthen international positioning through closer links to leading computational science organisations and major European infrastructures.

ECOSYSTEM BUILDING AND NATIONAL CONNECTIVITY.

Computational Science NL serves as the national platform for interdisciplinary exchange, visibility and community growth. A strong ecosystem is essential to connect scientific excellence to societal relevance, strategic partnerships and sustainable investment.

This requires active engagement with stakeholders across the full landscape, including top sectors, ministries, companies, knowledge institutes and universities. Such engagement will help align the national agenda with future societal and industrial needs and improve access to public and private funding. Dialogue with organisations such as TNO, TO2 institutes and leading industrial partners should be used to identify research priorities and investment directions for the coming decade. In partnership with industry, Computational Science NL will seek to initiate three proof-of-concept projects that help shape future strategic collaboration.

A visible and recognisable national platform is also needed. This includes the development of a a visual ecosystem map on the website showing how disciplines, researchers, institutions and methods are connected across the Netherlands. Such a platform will improve visibility, support matchmaking and strengthen the national identity of the field. In parallel, flagship activities should be further developed, with DUCOMS serving as the national anchor event, complemented by thematic hackathons linked to the national demonstrators and an annual industry-academic matchmaking event.

Together, these three priorities define a clear and actionable agenda for 2027-2030. They position Computational Science as a core enabler of scientific discovery, innovation and societal impact. By investing in methods, advanced workflows and national connectivity.