

Newsletter Collaborating Platform for Epidemic Modelling and Data Analytics

Year 2025, Edition 1, 15 July 2025

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Funding 2025

We are pleased to share encouraging news regarding funding: the 2025 budget has been officially secured, ensuring that we can continue implementing our planned activities through December 2025.



R2M2P2 Stakeholders' Meeting

Utrecht 16 May 2025

Written by: Scott Dahlgren

The R2M2P2 Consortium: Readying Regional Mobility data for Modelling Pandemic Preparedness aims to prepare and analyze Dutch regional mobility data for use in infectious disease modelling, for the purpose of pandemic preparedness accounting for geography. The project is part of a larger ZonMw call, Modelling for Pandemic Preparedness: A Call for Innovation and Knowledge Development. The project is a collaboration between Erasmus MC, Utrecht University, Open Data Infrastructure for Social Science and Economic Innovations, Statistics Netherlands, National Road Traffic Data Portal, and UMC Utrecht, and is led by Erasmus MC Rotterdam (dr. Luc Coffeng).

On 16 May 2025, the R2M2P2 Consortium hosted a stakeholders' meeting in Utrecht. The focus of the meeting was how mobility data can be used in infectious disease models. In the morning, invited speakers shared their work with the consortium. Danique Ton of NS explained how the COVID-19 pandemic impacted mobility in the Netherlands with a focus on train use. Pauline Ezanno of the National Research Institute for Agriculture, Food and Environment gave an overview of how bovine viral diarrhea virus spreads on cattle networks in France. Martin Kühn of the German Aerospace Center and University of Bonn presented an overview of their regional models of COVID-19 in Germany to better target future public health interventions. The afternoon was devoted to a brainstorming session. Attendees developed ideas for better data structures, data sources, and approaches towards using mobility data in infectious disease modelling.

The next stakeholders' meeting for the project is planned for spring of 2026. If you are interested in joining the next meeting, then please contact Scott Dahlgren at f.dahlgren@erasmusmc.nl.



UNITY Project

The UNified Integration of Health and Societal Impact Translation of Yield to policy and practice



Phaeton Project

A ready-to-use infrastructure for predictive models without the need to share sensitive data

Written by: Ganna Rozhnova

This project aims to develop a comprehensive integral assessment framework for pandemic preparedness and response. This framework will integrate insights from multiple disciplines, including mathematical modeling, epidemiology and socioeconomics, to provide actionable, evidence-based advice for policymakers. To achieve this, the modellers will (i) create a catalog of existing Dutch models that assess the epidemiological impacts of pandemic interventions for respiratory infections; (ii) identify a strategy to synthesize existing epidemiological models for the Dutch context; and (iii) explore pathways to translate outputs from epidemiological models to socio-economic impact for holistic assessment of policy options. The project addresses gaps in the current advisory systems, particularly in incorporating diverse scientific perspectives and engaging citizens. By creating an integrated tool for science-policy interaction, the project hopes to improve the advisory and decision-making process during pandemics. The results will help ensure that vulnerable populations and societal impacts are considered in response strategies. The project will involve collaboration among scientists, policymakers, and citizens, using simulations and practical testing to refine the framework for real-world application.

The project will run from September 1, 2025, to December 31, 2026. It is led by Dr. Anja Schreijer (PDPC) as Principal Investigator, with Dr. Luc Coffeng (Erasmus MC) and Dr. Ganna Rozhnova (UMC Utrecht) leading the modelling work package.

Written by: Eugene van Someren

This project, in partnership with TNO, Leiden University, and LUMC, creates a ready-to-use modelling infrastructure that allows data analysis and modeling experts from around the world to jointly create the best performing models rapidly to provide quick, transparent and accurate support to decision makers during a pandemic. We solve data access hurdles through a unique privacy-by-design approach which was studied and tested before, that insulates sensitive data from experts, yet allows efficient model development. In addition, we further speed-up model development by providing an open-source free-to-use infrastructure with up-to-date data and models. It includes a collaboration hub for the modelling community and leaderboard approach with audit trail to submit and validate models to assure policy makers have instant access to the best models and forecasts, experts can learn from and update each other to prevent double work.

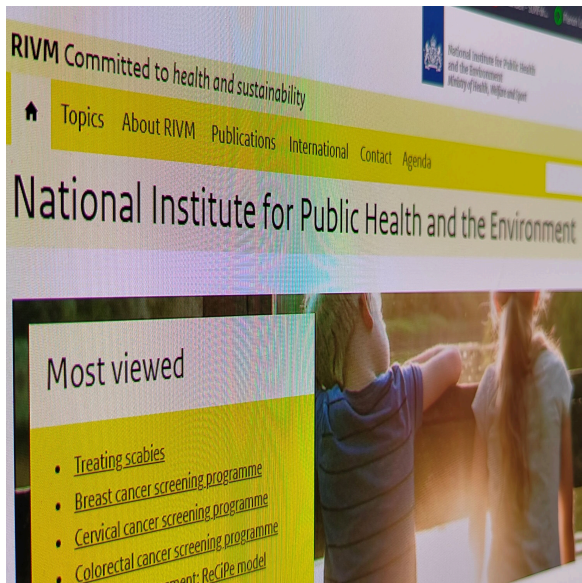
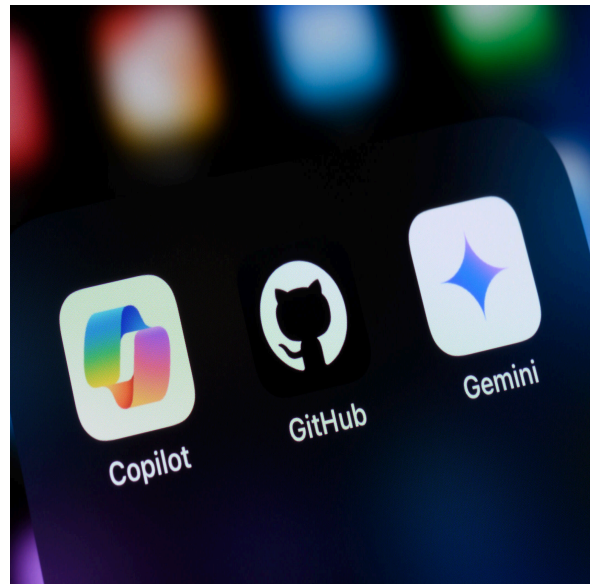
A workshop will be held on October 31st, 2025. For further information about the project or the upcoming workshop, please contact Dr. Eugene van Someren: eugene.vansomeren@tno.nl.

Explore Our New GitHub Webpage!

We're thrilled to announce the launch of our GitHub webpage! Check it out [here](#).

On this page, you'll find detailed information about the Platform and its members. We'll also be sharing regular updates, including news, events, resources, and more.

Be sure to also connect with us on our [GitHub repository](#) to share and access code.



Find us on the RIVM webpage

A webpage about the Collaborative Platform is now available on the RIVM website in both Dutch and English. You can access it here: [RIVM Collaborative Platform Webpage](#). Please feel free to share this within your network or use the information to inform others about the Platform.



Join the Epidemic Modelling & Data Analytics LinkedIn Group

We invite everyone to stay connected and informed by joining the LinkedIn group *Epidemic Modelling and Data Analytics*. If you're not yet a member or would like to recommend colleagues whose contributions would be valuable, please send their names

to collabforepidemodatanalytics@rivm.nl. Our group administrators, Valérie Eijrond and Jacco Wallinga, will ensure they gain access.



Upcoming Events

- **October 31, 2025:** Phaeton Workshop at TNO Leiden

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