



A BIG THANK YOU FROM THE TERRACHEM TEAM

As TerraChem comes to a close on 31 October, we look forward to reporting to the European Commission and sharing our output with our key audiences – policy makers and regulators, the research community, and industry.

The three years of TerraChem have been intense and rewarding. We would like to thank our Regulatory Advisory Board members and other regulators, and the many researchers and others beyond the TerraChem core team who have collaborated with us and shown such a high level of interest in our research and innovation.

The TerraChem systems approach, integrating real-world monitoring of chemicals in terrestrial apex species food chains across Europe, modelling of damages to biodiversity at multiple levels, development and population of new interoperable data modules within the NORMAN database system, and the development of regulatory applications for early warning of emerging contaminants and prioritisation of chemicals for further risk assessment, has delivered valuable learnings.

We hope you will enjoy reading about these learnings in our five hot-off-the-press [Policy Briefs](#). Keep a look out also for the numerous peer-review papers in preparation, which will be appearing in the academic press in the coming months. Meanwhile, check out the [team video](#) shot at our Final Conference in Berlin, and the teaser for a [forthcoming documentary](#) on chemicals in wildlife by renowned filmmaker Maeve Brennan.

We look forward to engaging with you further in the future,

Jaro & Guy



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Project funded by



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EVENTS

END CONFERENCE BERLIN



On 4 and 5 June we had a wonderful final conference at the Federal Press Office in Berlin with our team members and lots of interested regulators and policy-makers from all over Europe. Thank you to all participants and presenters. And special thanks to the Umweltbundesamt (German Environment Agency) for organising.

All TerraChem partners presented their emerging results and key messages. You can find their presentations and a collection of photos from both days on TerraChem.eu.

Or you can watch [the video](#) in which the TerraChem team members speak about their work and emerging findings.

ECHA SCIENCE SEMINAR

On 23 September the TerraChem team presented their work at an online seminar organised by the European Chemicals Agency (ECHA). ECHA seminars cover a wide range of topics related to chemical safety, regulatory science, and innovative research in the field of chemicals management.



Team members presented the TerraChem systems approach including real-world case monitoring, modelling of damages to biodiversity, the TerraChem database system, Early Warning System and prioritisation of chemicals for risk assessment.

Missed it? You can watch the seminar on the [ECHA's YouTube account](#).

LATEST OUTPUTS

e-Tox Base: a database of curated ecotoxicity data developed for deriving Species Sensitivity Distributions and other ecotoxicological assessment approaches

TerraChem team members Susan Oginah and Peter Fanke, together with Leo Posthuma and others, made a large set of curated ecotoxicity effect test data available for more than 12,000 chemicals. Download their dataset [Zenodo](#).

Integration of publicly available datasets reveals pesticide-associated genetic variation in a wild non-target animal

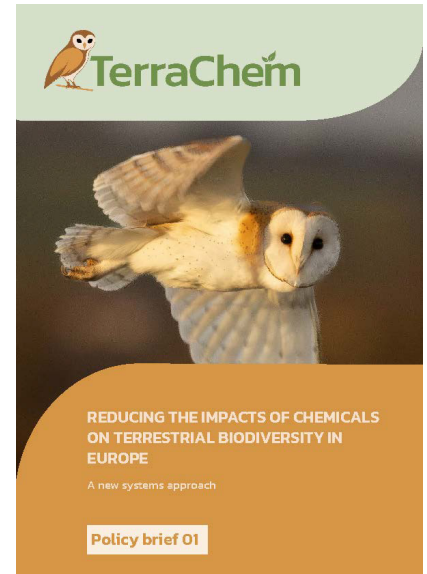
An article by team members from Eawag, Tiffany Scholier, Daniel Guignard and Marissa Kosnik on pesticide-associated genetic variation in wild boar has been accepted for publication in [Environmental Pollution](#).

POLICY BRIEFS

As TerraChem nears the project end, we have published five policy briefs (PBs) to communicate key learnings to regulatory, academic, industry and other audiences.

PBO1 presents the overall systems approach for reducing the impacts of chemicals on terrestrial biodiversity in Europe. PBO2 presents the TerraChem monitoring approach. PBO3 presents the TerraChem modelling approach. PBO4 presents addresses data management. PBO5 presents TerraChem early warning and prioritisation approaches.

You can download the briefs [here](#) on the TerraChem website.



DOCUMENTARY FILM

Filmmaker Maeve Brennan is making a documentary film 'Toxic Feathers' on the effects of chemicals on wildlife, together with director of photography Jamie Quantrill and in collaboration with TerraChem team member Paola Movalli.

In June they visited Naturalis Biodiversity Center and TU Delft to capture research and lab work carried out for TerraChem. The teaser for this documentary will be released next week and will be available on the TerraChem website.

TERRACHEM TEAM MEMBERS SIGN OPEN LETTER AGAINST RELAXATION OF PESTICIDE REGULATIONS

More than 570 scientists have asked the European Parliament to suspend its consideration of the relaxation of pesticide regulations. They ask for an independent investigation into the OMNIBUS proposal, in particular in relation to its potential health and environmental impacts, to be carried out first.

The proposal includes relaxation of the rules governing, in particular, the re-evaluation of pesticides. This periodic re-evaluation is, however, essential to ensure continued compliance with the safety standards expected by society, according to Martina Vijver, Leiden University Professor of Ecotoxicology and initiator of the letter.

A total of 573 scientists from 23 different countries have signed the open letter, addressed to the European Parliament. This includes experts in the field of ecotoxicology, among whom many TerraChem team members, but also experts from other fields such as ecology, law, and public health.

Read the [full article](#) about the letter on Leiden University's website.



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