

strategy would mark a political earthquake in a traditionally liberal country — a founding member of the European Union — whose advanced economy owes much to its strong science and innovation base. The Netherlands punches above its weight in science. Dutch host institutions, for example, have won 634 European Research Council grants in the past decade, more than Italy, Spain or Switzerland. In terms of such grants by number of universities and research staff, the Netherlands is Europe's best performer.

Although Wilders is unlikely to become Dutch prime minister even if he wins the popular vote — the Netherlands has a proportional representation system, and most other parties in the country's highly fragmented political landscape have ruled out forming a coalition with the PVV — the success of his aggressive campaign might not leave Dutch science unscathed.

The country's recent approach to developing a national science agenda has been unique. In 2015, the public were invited to submit questions about science. Some 12,000 questions were translated into investment priorities for research, from energy transition to health care and the search for the origin of life. Traditionally, the Netherlands has also relied on science for evidence-based policymaking — to restrict the use of antibiotics in livestock farming, for example. But political priorities, including science, have shifted in the run-up to the elections as immigration and terrorist concerns became more and more central.

As right-wing populism has spread to the political mainstream, so Dutch universities and research institutions have seen some of their international programmes and policies publicly questioned. Meanwhile, plans by the University of Groningen to create a campus in China have raised objections in parliament over tax money being inappropriately spent abroad. And Wageningen University, a hub for agricultural science with almost 50% foreign students, international classrooms and English-language courses that have been unquestioned for decades, is suddenly being perceived by some as problematic.

Anxiety is rising in the science community. The rectors of Dutch

universities expressed their concerns last month in an open letter, reminding politicians and the public of the merits of freely pursuing science and the drawbacks of restricting immigration for scholars and researchers. It is indeed worrisome that fears of cuts and isolationism have spread to one of Europe's strongest and most multicultural research nations, whose universities do very well in international rankings. Public trust in science is higher in the Netherlands than in

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most other highly developed countries. And Dutch citizens expect a lot from science in terms of policy guidance and wealth creation. The country will be hit exceptionally hard if nationalism and vague anti-science sentiment gain traction.

Any coalition resulting from next week's elections should therefore renew the Netherlands' firm commitment to science. The current government's 'top sector' approach aimed to improve collaboration between public research institutions and industry in nine key areas, including agriculture and food, water, life sciences and health. That approach, combined with sound funding for curiosity-driven basic research, is a promising strategy with which to address specific societal needs that arise from the country's economy and physical location.

In general, the next government should continue the national science agenda. In terms of specific policies, it must also reconfirm the Netherlands' commitment to clean energy and to taking part in international efforts to fight global warming.

Disdain for science and environmental concerns, a common characteristic of populist movements, pays a criminal disservice to humankind. Thankfully, Wilders' plan to steer the Netherlands into chauvinism is unlikely to work in that country, no matter how hard he tries to copy Trump in rhetoric and world view. But the Dutch vote, which has rarely attracted so much attention in Europe, will set the stage for elections later this year in France and Germany — two nations in which right-wing populism is strongly on the rise. Either way, Dutch voters and policymakers are about to set an example. ■

Fake news

Science journalism can be evidence-based and compelling but still get it wrong.

There has been much gnashing of teeth in the science-journalism community this week, with the release of an infographic that claims to rate the best and worst sites for scientific news. According to the American Council on Science and Health, which helped to prepare the ranking, the field is in a shoddy state. “If journalism as a whole is bad (and it is),” says the council, “science journalism is even worse. Not only is it susceptible to the same sorts of biases that afflict regular journalism, but it is uniquely vulnerable to outrageous sensationalism” (see go.nature.com/2mhmupd).

News aggregator RealClearScience, which also worked on the analysis, goes further: “Much of science reporting is a morass of ideologically driven junk science, hyped research, or thick, technical jargon that almost no one can understand” (see go.nature.com/2lrzx8d).

How — without bias or outrageous sensationalism, of course — do they judge the newspapers and magazines that emerge from this sludge? Simple: they rank each by how evidence-based and compelling they subjectively judge its content to be. Modesty (almost) prevents us from naming the publication graded highest on both (okay, it's *Nature*), but some names are lower than they would like. Big hitters including *The New York Times*, *The Washington Post* and *The Guardian* score relatively poorly.

It's a curious exercise, and one that fails to satisfy on any level. It is, of course, flattering to be judged as producing compelling content. But one audience's compelling is another's snoozefest, so it seems strikingly unfair to directly compare publications that serve readers with such different interests as, say, *The Economist* and *Chemistry World*. It is equally unfair to damn all who work on a publication because of some stories that do not meet the grade. (This is especially pertinent now that online offerings spread the brand and the content so much thinner.)

The judges' criterion of evidence-based news is arguably problematic, as well. Many journalists could reasonably point to the reproducibility crisis in some scientific fields and ask — as funders and critics are increasingly asking — just how reliable some of that evidence truly is. Mainstream science reporters have typically taken peer review as an official stamp of approval from the research community that a published finding is sufficiently robust to share with their readers. Yet this kind of evidence-based reporting is only as reliable as the evidence it reports on. And many scientists would complain (even if only among themselves) that some published studies, especially those that draw press attention, are themselves vulnerable to bias and sensationalism.

This is one reason why the rise of the scientist (and non-scientist) as blogger, along with other forms of post-publication review, has been so valuable. Many scientists know about the problems with some fields of research. Many journalists do, too — articles on questionable practices from statistical fishing to under-powered studies are an increasing presence in most of the publications in the infographic. The relationship between science and media reporting is far from simple, and both sides should remember this. ■