Morressier

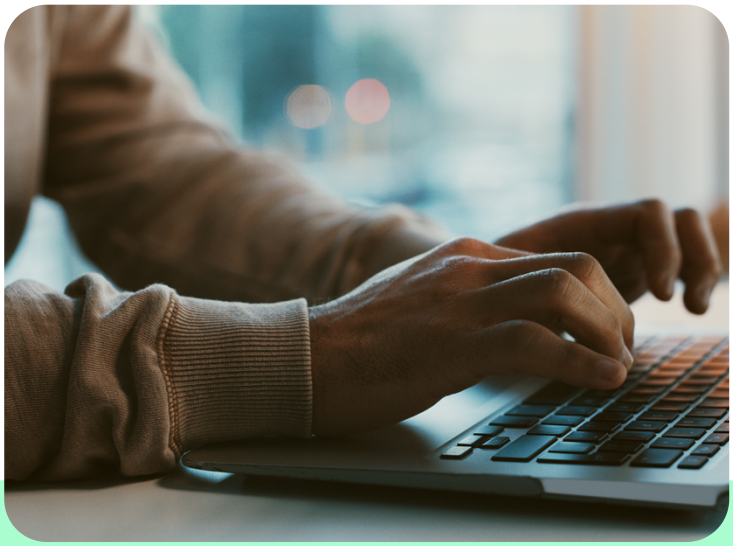
How to fight fraud and rebuild workflows with the right tools and technology

Introduction

As demands for faster dissemination of scientific ideas escalate, so do integrity concerns. Are we moving so fast that we aren't able to validate scientific findings, resulting in today's "reproducibility crisis?" Or are we held back by our legacy systems and workflows? Let's explore the challenges for societies and publishers to meet conflicting expectations, while still being expected to uphold strong quality control measures under tight time constraints.

How can our industry move forward?

We see huge possibilities for the research ecosystem to scale when supported by a strong foundation of research integrity solutions. Publishing infrastructure needs to transform and adapt to our digital-first future. Read on to delve into our vision for a more trusted and efficient scholarly ecosystem.

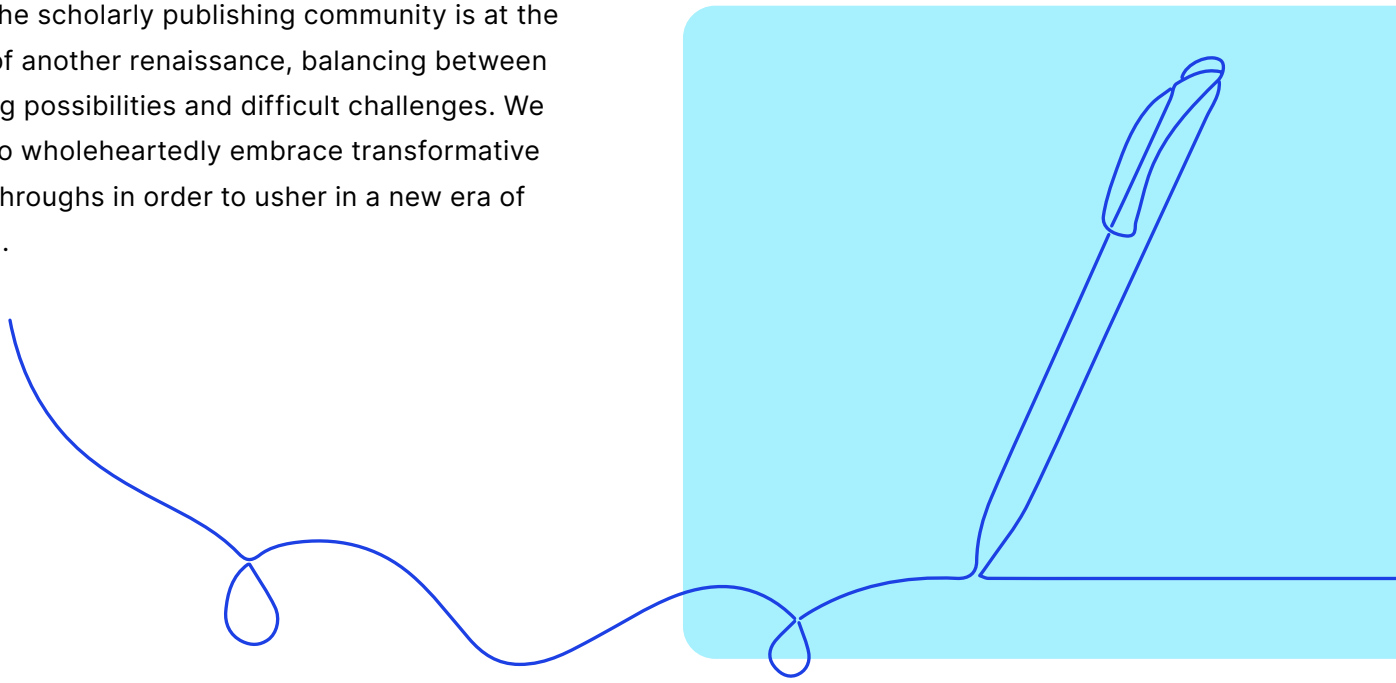


The history of technology in scholarly publishing

The first technological breakthrough in scholarly publishing dates back to the mid-15th century, with the invention of the printing press by Johannes Gutenberg. This was a groundbreaking development, streamlining a notoriously slow and expensive process and paving the way for the first scientific journals. This critical advancement would not have been possible without visionary determination and a society's willingness to change.

Thankfully, this wasn't the last time bold ideas and disruptive innovation have kickstarted exciting developments within our industry. Just a few decades ago, the invention of the Internet opened a new realm of electronic publishing, allowing individuals to access a wealth of knowledge at their fingertips. Thanks to this new digital landscape, the Open Access movement began and continued to develop rapidly across the world, spreading principles of transparency and inclusivity.

Now, the scholarly publishing community is at the brink of another renaissance, balancing between exciting possibilities and difficult challenges. We need to wholeheartedly embrace transformative breakthroughs in order to usher in a new era of rebirth.



Without integrity, is scalable growth too risky?

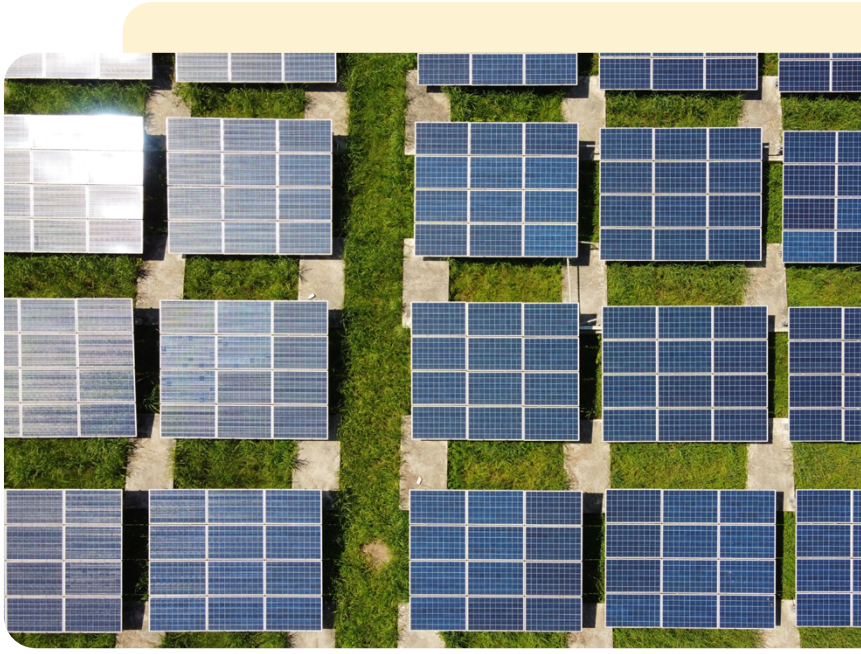
How can scalable technology transform the research industry?

With a common goal to make research more accessible and impactful comes a responsibility to build an infrastructure that allows for change without sacrificing research integrity.

Multimedia Formats

Traditional journal articles are not enough when we now have an unlimited number of alternative mediums and ways to share and engage with scholarly information.

With disruptive technology and the greater processing power that these tools provide, a world of multimedia content can become available to researchers, institutions, and the general public, in the form of videos, abstracts, podcasts, preprint servers, Open-Access repositories, online forums, social media platforms, and more. Each of these formats strengthen the impact of scientific research by making it accessible to wider audiences, boosting engagement and understanding and leading to more impact and interdisciplinary collaboration.



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Peer Review

Today's obstacles to scalable peer review hinder both speed and quality. Academics worldwide devote an astonishing *15,000 years* solely to peer review. We clearly require swifter and smarter infrastructure capable of enhancing our capacity to assess research comprehensively, all while upholding robust frameworks for research integrity.

When we harness the power and potential of new technologies, changing peer review for the better becomes possible. *As we've explored in the past,* we strongly believe that we can't improve peer review without exploring, investing in, and publishing data. At Morressier, we obtain vital data-driven insights to smooth the flaws in the peer review system and help the process evolve to meet the changes to our industry. For example, with the current shortage of academics willing and able to serve as reviewers, we're providing our partners with robust engagement analytics around meetings and conference proceedings to make sure we don't lose the critical human touch that this system relies on.

AI tools possess the ability to detect signs of misconduct like plagiarism with streamlined skill and ease, working faster and more rigorously than humans are capable. These new tools are optimizing peer review workflows, helping authors take integrity into their own hands and submit or publish their work with the highest levels of confidence.

Without integrity, is scalable growth too risky?

Scale for speed

When we take a look at the social problems plaguing our world like socioeconomic disparities, climate change, or healthcare, it's clear that these urgent issues need timely solutions. But, is the pace of scientific change fast enough to create tangible effects in our society?

Our CEO and co-founder Sami Benchekroun recently asked the question *"Is science too slow to change the world?"* in The Scholarly Kitchen. Sami discussed how discoveries cannot advance scientific progress if they continue to be hindered by our current infrastructure. For most major publishers, publication time has either *slowed* or remained static, and a growing number of findings are losing their relevance by the time they are shared. We need to close the gap between scientific discovery and scientific impact, without losing sight of how the pace of publishing includes valuable interrogation and reviews to guard against misconduct.

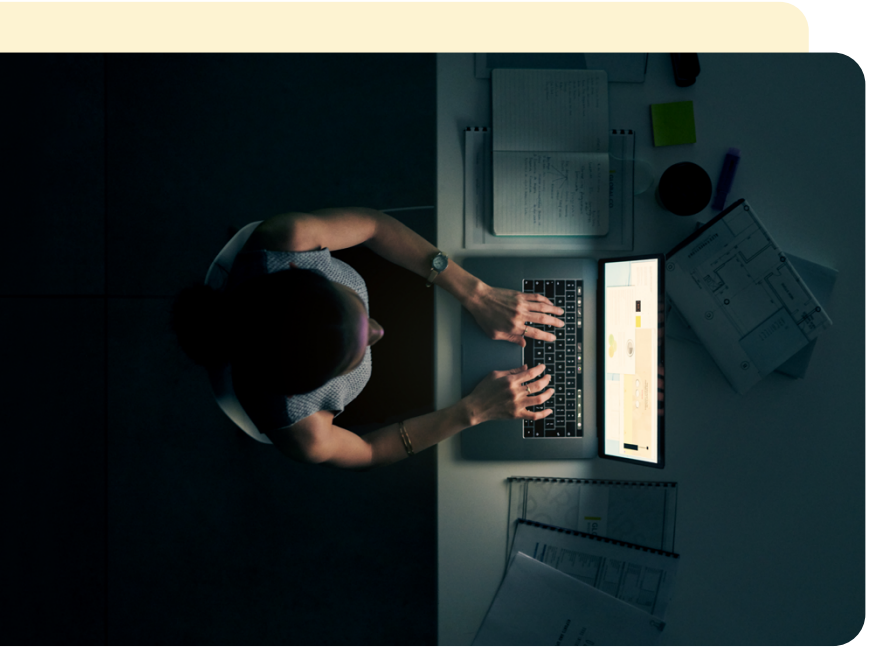
At Morressier, we got our start in early-stage research, advocating for improving discovery for the foundational ideas explored at conferences. Sharing this segment of the research lifecycle adds a further layer of integrity in science's early stages helps publishers protect their reputation from fraud issues downstream.

Without integrity, is scalable growth too risky?

Scale for speed (continued)

Early-stage research also provides us with the power of foresight, enabling us not only to detect integrity issues at an earlier stage but also to learn more about the brilliant minds driving academic ideas. This accelerates the discovery of the scientific community's future leaders while also ensuring that their identities are thoroughly verified.

A big part of our approach to research integrity is identity verification. This disambiguation makes it easier to identify conflicts of interest at the start of peer review, and gives you the insights you need to accelerate how you assign reviewers. Our integrations with Ringgold empower this process, and with the convenience of single-sign on (SSO), we are able to eliminate the complexities of managing multiple login screens and passwords while performing advanced identity validation.



Technology gives us the ability to scale, freeing up time and resources for scholars to serve as reviewers, authors, and more. The many exciting digital possibilities deliver exactly what the next generation of researchers need to make the discoveries that will change the world.

New workflows for better access and collaboration

Enhancing access and collaboration through scalable workflows

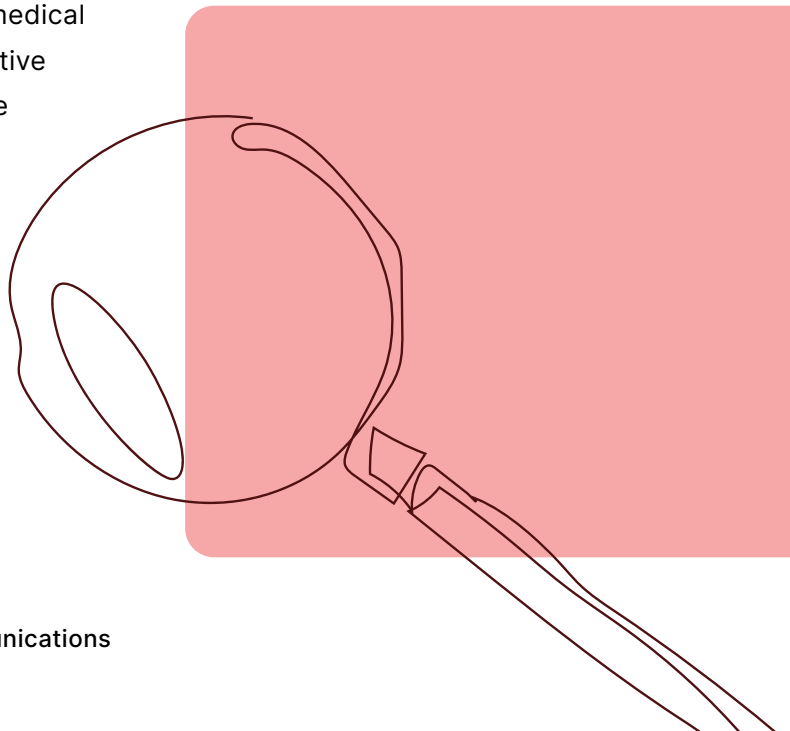
Nearly a year has passed since the United States government passed a memorandum to ensure free, immediate and equitable access to publicly funded research. The Open Access (OA) movement is still gaining momentum and we need the infrastructure to support it. Discover how prioritizing scalability and integrity can fortify open access (OA) and its core values.

Increased efficiency and reduced costs

When we tap into automation to streamline certain tedious and manual aspects of the publishing process, we boost our ability to publish early findings and articles at scale. This approach allows societies and organizations to save time (and therefore money), making Open Access publishing more financially viable and cost-effective for all stakeholders. This increase in scale becomes even more possible when research integrity is a core part of our technological infrastructure, so we can publish more without fear of increased risk to a stressed peer review system.

Improved quality and trust

There's been a steady rise of predatory journals in recent years, exploiting the Open Access model by accepting articles without conducting proper peer review, creating doubts around the legitimacy and reliability of the movement. The open sharing of fraudulent research is eroding academic integrity, damaging public learning, and undermining trust in research, with only *29%* of Americans reporting high confidence in medical science just last year. There's a clear need for restorative measures, and taking advantage of the transformative potential of technology to evaluate and edit scholarly documents at scale improves the quality of OA content, enhancing credibility without sacrificing time.



New workflows for better access and collaboration

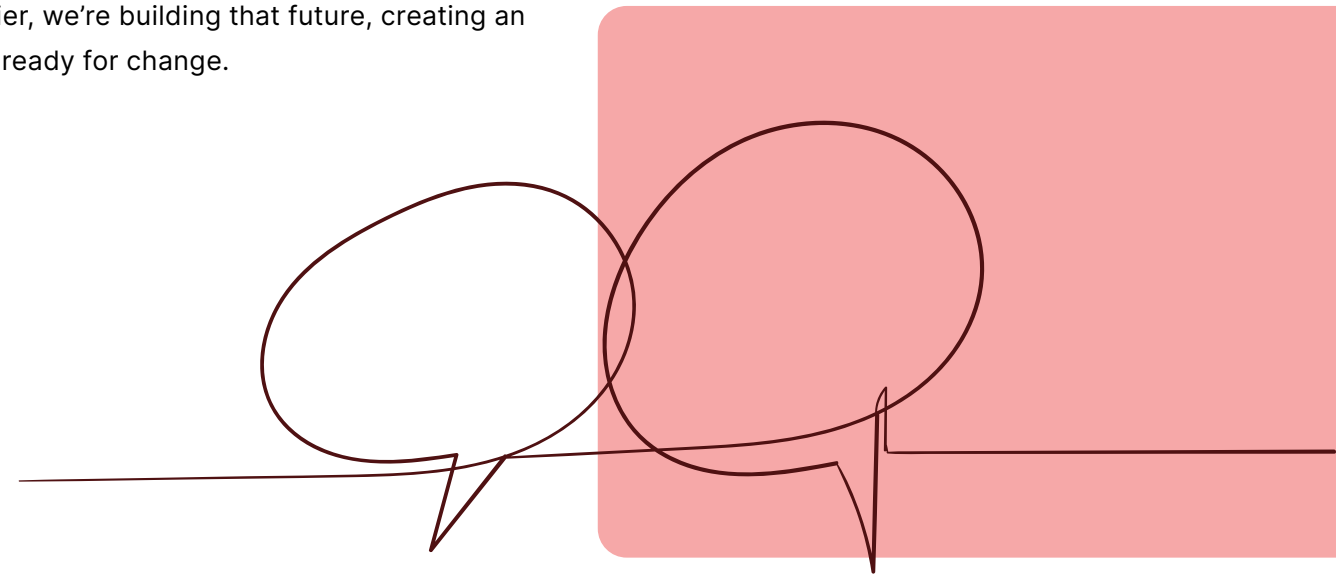
Greater access

With the aid of scalable and flexible tools, OA repositories can come to life, paving the way for the seamless sharing of findings in diverse formats, and enhancing the transparency and reproducibility of research. This can help to increase the impact and reach of Open Access content, making the world's freshest ideas more visible to researchers, policymakers, and the wider public.

Even further, through faster communication, easier access to resources, and greater flexibility, scalable technology and automated tools also enable authors, editors, reviewers, and publishers to collaborate more efficiently. This gives rise to seamless interdisciplinary opportunities allowing science to move out of silos and incorporate a wide range of voices and perspectives.

Remember the remarkable unity displayed by the global scientific community in responding to the COVID pandemic just a little over two years ago? Now, imagine the potential of improved and intelligent workflows and infrastructure. Envision a scholarly community equipped to weather any challenge that comes our way, driven by strong confidence in the collective power of our endeavors.

At Morressier, we're building that future, creating an ecosystem ready for change.



The Morressier Difference

Our bold, scalable workflows give our customers room to experiment, learn, and discover new opportunities to create revenue.

Our automated **Submission Checks** are empowering authors to easily catch small errors prior to peer review, detecting crucial errors like citation manipulation. We're helping scholars across the world step away from the stress of manual tasks, ensure submission completeness, comply with industry standards, and accelerate the possibilities of their research. Take advantage of our *Submission Checks* service today.

If there's one thing that's been made clear in the past few years, it's that research integrity issues aren't going away on their own. But, there's strength in numbers and power in innovative workflows. We believe in **integration**, and that's why we take the best elements of this industry's technology and bring them together to create a robust end-to-end solution.

Our Research Integrity products use proprietary Morressier technologies as well as federated access to a growing market of third-party solutions. They currently include: detection of retracted content, plagiarism, citation manipulation, and tortured phrases, as well as confirmation of author and co-author identities with a multi-step automatic verification process using Ringgold, ORCiD and other industry standards.

With our integrity services, you can:

As a technology company, we're committed to developing fast, preparing for pivots, and integrating to construct a sustainable future for our customers. The fight for swiftly accessible and high-quality science is not one that publishers can battle alone. Technology partnerships are critical for publishers to navigate the future and build tools for a changing world. Here are a few changes you can make today to ensure you find the right partner:

1. **Embrace the power of scalable technology:** Explore the value that these tools can create for both you and your community.
2. **Be open to bold ideas:** Have a receptive mindset to disruptive strategies and emerging technologies like AI, when seeking solutions to integrity challenges within our industry.

At the core of our partnership philosophy lies the belief that through working together we can forge a path towards enhancing user experience, increasing research accessibility, and upholding research integrity. By combining our scalable and streamlined infrastructure and your community's bright ideas, we can shape a promising and dynamic future.