

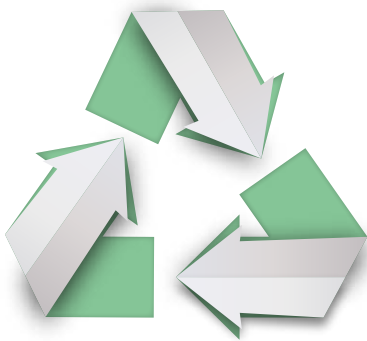
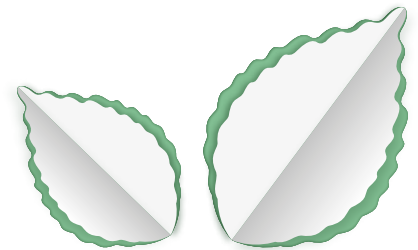
# PAPER AND THE ENVIRONMENT

Paper has been an essential communications medium for 2,000 years. Even in today's digital world, paper continues to be the preferred format for readers of books, magazines and newspapers.

Yet the myths around paper still exist. A 2021 survey by Two Sides<sup>1</sup> revealed 64% of European consumers believe European forests are shrinking, when in fact they have been growing by an area equivalent to 1,500 football pitches every day. There is also a widespread misconception that digital communication has no environmental impact.

## PAPER LOVES TREES

Paper is a uniquely renewable and sustainable product. The main raw material, trees, are grown and harvested in a carefully controlled and sustainable way - so successfully that European forests, which provide 90% of the wood fibre used by the European pulp and paper industry<sup>2</sup>, have grown by an area the size of Switzerland in just 15 years!<sup>3</sup>



## THE PAPER REVOLUTION

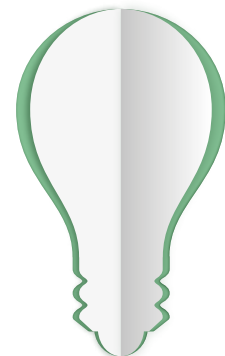
In 2021, the European recycling rate for paper was 71%.<sup>4</sup> This is close to the practical maximum recycling rate of around 78% (this is because books and archived materials are kept for a long time and some paper products can't be recycled e.g. tissue and sanitary products.)<sup>5</sup>

Paper is recycled on average 3.8 times a year in Europe. Paper cannot be recycled indefinitely as fibres get too short and worn out and therefore sustainable virgin fibre will always be needed.<sup>6</sup>

## PAPER POWER

The European pulp and paper industry is the biggest single user and producer of renewable energy in Europe. 62% of European pulp and paper mills' energy consumption comes from renewable sources.<sup>7</sup>

European forests act as a major carbon sink. Between 2010 and 2020, the average annual sequestration of carbon in forest biomass reached 155 million tonnes in the European region.<sup>8</sup>

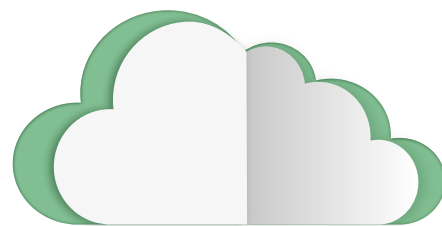


## DIGITAL HAS IMPACTS

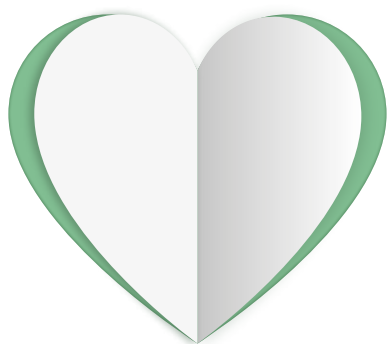
The share of digital technologies in global greenhouse gas emissions has increased by half since 2013, from 2.5% to 3.7% of global emissions. The demand for raw materials such as rare and critical metals, essential for both digital and low-carbon energy technologies, is also growing.<sup>9</sup>

Worldwide, total emissions generated by emails is estimated to be 300 million tonnes of CO<sub>2</sub> a year – equivalent to the annual emissions of 63 million cars.<sup>10</sup>

The electronic waste problem is also colossal and growing. In 2019, the industry was responsible for a gigantic 53.6 million metric tonnes (Mt) of e-waste across the world. That's equivalent to the weight of 350 cruise ships, and up by an alarming 21% over the past five years.<sup>11</sup>



## PAPER IS PREFERRED



In today's digital world, the power of print on paper is becoming more apparent than ever. Consumers throughout Europe love reading in print, with many understanding the importance of "switching off".

31% of respondents to a 2021 Two Sides survey feel they are suffering from a "digital overload" and 49% agreed that they spent 'too long' on digital devices.

Furthermore, when it comes to bills and statements, 74% of respondents believe they have the right to choose how they receive communications (printed or electronically) from financial organisations and service providers.<sup>12</sup>

DISCOVER THE STORY OF PAPER  
[www.lovepaper.org](http://www.lovepaper.org)

## SOURCES

1. Two Sides & Toluna, 2021. Paper's Place In A Post-Pandemic World. [www.twosides.info/resources/research](http://www.twosides.info/resources/research)
2. CEPI Statistics, 2019. [www.cepi.org/policy-area/forest-resources/](http://www.cepi.org/policy-area/forest-resources/)
3. Two Sides, 2020. Analysis of FAO data 2005 - 2020. [www.twosides.info/documents/Forest\\_Growth\\_Briefing\\_Document-2020.pdf](http://www.twosides.info/documents/Forest_Growth_Briefing_Document-2020.pdf)
4. CEPI, 2021. [www.sustainability.cepi.org](http://www.sustainability.cepi.org)
5. European Paper Recycling Council, Monitoring Report, 2020. [www.paperforrecycling.eu/publications](http://www.paperforrecycling.eu/publications)
6. European Paper Recycling Council, Monitoring Report, 2020. [www.paperforrecycling.eu/publications](http://www.paperforrecycling.eu/publications)
7. CEPI, 2021. Key Statistics 2020. [www.cepi.org/key-statistics-2020](http://www.cepi.org/key-statistics-2020)
8. Forest Europe, State of Europe's Forest, 2020. [www.foresteuropa.org/state-of-europes-forests/](http://www.foresteuropa.org/state-of-europes-forests/)
9. The Shift Project, 2019. Lean ICT: For a Sober digital. [www.theshiftproject.org/en/lean-ict-2/](http://www.theshiftproject.org/en/lean-ict-2/)
10. Research by Two Sides North America based on statistics by Berners-Lee, M., 2010; Radicati Group, 2015; EPA, 2018
11. Global E-waste Monitor, 2020. [www.ewastemonitor.info](http://www.ewastemonitor.info)
12. Two Sides & Toluna, 2021. Paper's Place In A Post-Pandemic World. [www.twosides.info/resources/research](http://www.twosides.info/resources/research)