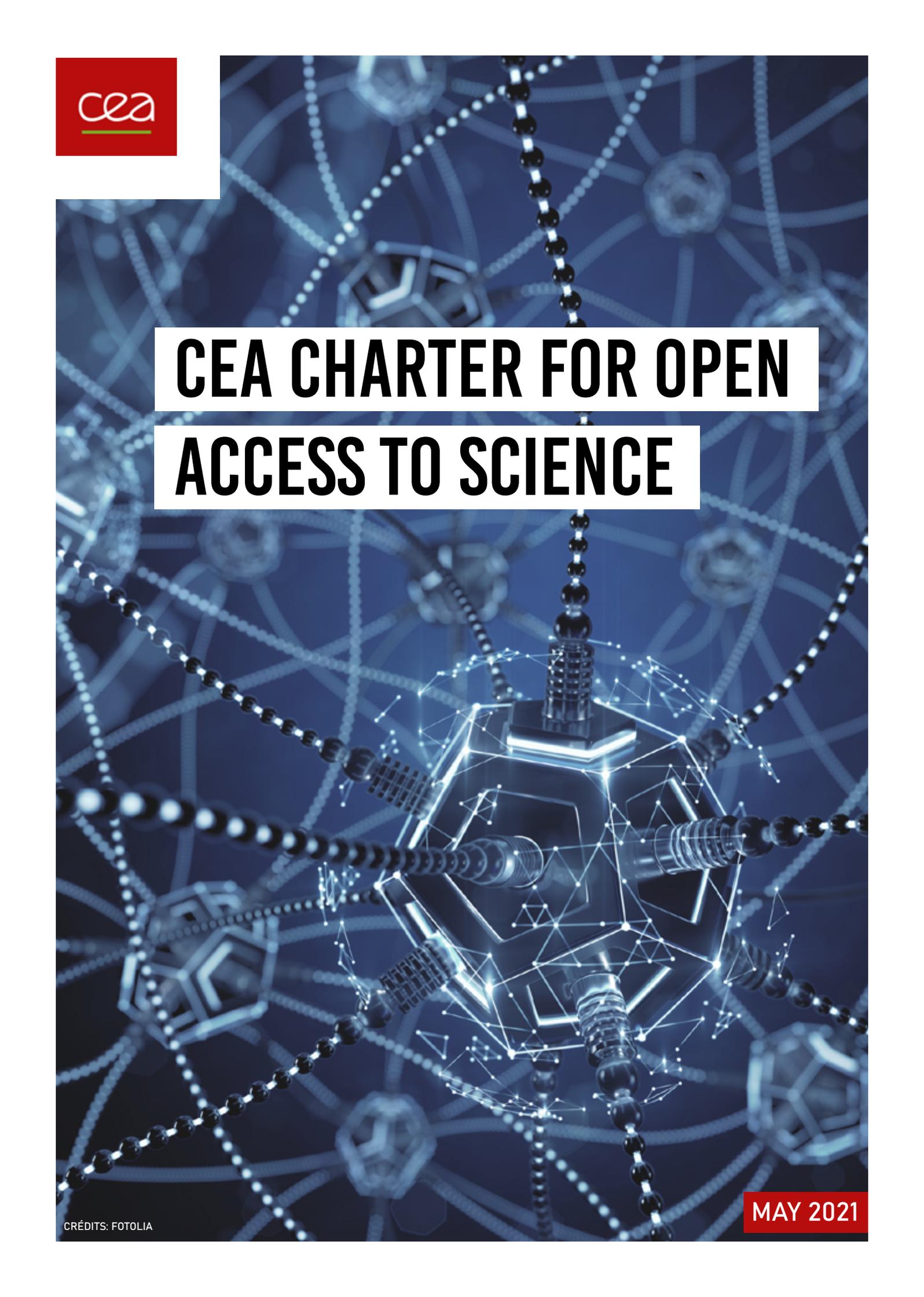


The CEA logo, consisting of the lowercase letters 'cea' in white on a red square background, with a thin green horizontal line underneath the letters.The background is a complex, blue-toned digital or molecular structure. It features a central, glowing, multi-faceted geometric shape, possibly a crystal or a complex molecule, surrounded by a network of interconnected nodes and lines. The overall effect is one of high-tech, scientific precision and connectivity.

CEA CHARTER FOR OPEN ACCESS TO SCIENCE

THE CEA IS COMMITTED TO A STRATEGY OF BALANCED OPEN ACCESS TO ITS PUBLICATIONS AND RESEARCH DATA

Open Science represents a new approach to the scientific process based on cooperative work and new ways of disseminating knowledge through digital technologies and collaborative tools.

In this respect, many policies in French and Europe address the issue of open-access dissemination of research publications and data, i.e. Article L. 533-4 of French Act No. 2016-1321 dated 7 October for a Digital Republic.

In accordance with the orientations recommended by the French National Plan for Open-Access Science, the CEA is committed to a strategy of balanced open access of its publications and research data:

- according to the European FAIR data principle of « *as open as possible, as closed as necessary* »
- within the limits imposed by applicable legislation, confidentiality agreements with partners, the law protecting secrets, and the protection of its scientific and technical heritage.

In the context of national and European policies in favour of open access, this charter sets out the five guiding principles for open science at the CEA. Their implementation may be detailed in circulars specific to each operational department.

OPEN ACCESS TO SCIENTIFIC PUBLICATIONS

1 | The CEA has chosen the French national platform HAL as its institutional open-access repository to protect its archives in the long term and to improve visibility of its publications in the international arena. External publications by CEA researchers must be uploaded onto the HAL platform via the [HAL-CEA](#) portal.

Researchers can upload either the fully accepted version for publication (after peer-review corrections and formatting by the editor) or the PDF editor version if the contract signed with the editor authorises its publication. Documents must be uploaded onto HAL-CEA as soon as the author's version has been provided. Where necessary, the embargo period imposed by the editor should be specified. The deadline for uploading should not exceed 6 months.

2 | The CEA advises against the payment of article processing charges (APCs) for open access in subscription journals (known as hybrid journals). Only the payment of APCs in native open-access journals is recommended. Open access to articles published in hybrid journals is possible by uploading the accepted version for publication onto HAL-CEA.

3| Scientific social networks (e.g. Research Gate or Academia) may be used in moderation and good judgement; they should be considered as communication tools, not as an archiving system. The use of scientific social networks is subject to the rules in the CEA's information security charter on the use of IT and Internet resources. It recommends that any data that has been authorised for official publication not be posted on the Internet.

The CEA advises against uploading full texts onto scientific social networks. In any case, this does not replace uploading publications onto HAL-CEA, which is the only official institutional archiving platform at the CEA. Published articles must include the link to the article in HAL-CEA.

RESEARCH DATA MANAGEMENT AND SHARING

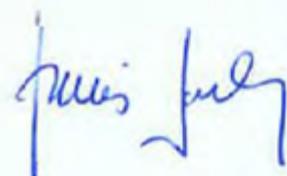
The following two principles apply to all CEA departments. However, their application must be adapted to the type of data, in order to simplify their implementation and maximise their impact.

4| In terms of research data management, the CEA recommends the widespread use of a data management plan (DMP) for all projects in the spirit of the FAIR data concept, i.e. Findable, Accessible, Interoperable and Reusable. A DMP provides the means to ensure quality and traceability at the service of open-access science. The CEA document called «Scientific Data Management Plan» can serve as a guide. DMPs can be drafted online using the [DMP OPIDoR](#) platform.

5| Sharing data from public-funded projects is recommended in accordance with the legal, ethical and contractual rules applicable to the data in question. The following data falls outside the scope of dissemination :

- confidential data, such as information required for future patent protection or knowledge classified as secret
- personal data
- data considered as classified or confidential by law or regulations
- Any data for which disclosure could compromise the strategy or interests of the CEA and its partners.

François Jacq, Administrateur général du CEA



GLOSSARY

EMBARGO

Period during which the full text of an author's article is only available in the journal or on the publisher's website.

PUBLICATION FEES (APC)

Article processing charges (APC) are paid by the author to ensure open access to the article upon publication.

HAL

The multidisciplinary open-access archive called HAL allows researchers from French and foreign universities, organisations and laboratories – whether public or private - to upload and share their scientific articles (published or not) and theses. [HAL-CEA \(https://hal-cea.archives-ouvertes.fr/\)](https://hal-cea.archives-ouvertes.fr/) is the CEA's platform for uploading and accessing external publications from the CEA.

FRENCH ACT FOR A DIGITAL REPUBLIC

Promulgated on 7 October 2016, this act simplifies the publication of information in open-access archives.

« When a scientific document is published in a journal following research that has been publicly funded by at least half, its author has the right to provide open access free of charge to the final version accepted for publication, subject to agreement from any co-authors. This is true even after having conceded the exclusive rights to a publisher as long as it is the publisher that provides access to the digital version of the article, or that the embargo period has expired. This period must not exceed six months following the publication of articles in the field of science, technology and medicine, and twelve months in the field of humanities and social sciences ».

Act for a Digital Republic (translation).

https://www.legifrance.gouv.fr/eli/loi/2016/10/7/2016-1321/jo/article_30

EXTERNAL PUBLICATION

An external publication refers to a scientific document that can be a book, an article, a paper, a thesis or dissertation associated with research supervision.

DATA MANAGEMENT PLAN

A data management plan (DMP) is a tool designed to help researchers and project leaders manage the data produced or collected both during and after the project, i.e. during the data life cycle.

PLAN NATIONAL POUR LA SCIENCE OUVERTE

Approved on 18 July 2018, this national plan provides open access to scientific data. It reflects France's ambition to promote a policy of open science, consolidating the European Union's efforts in this area.

HYBRID JOURNAL

A hybrid open-access journal is a subscription journal in which some articles are open access when the author has paid an upfront publication fee.

