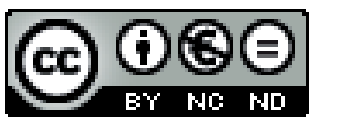


# Articles, software, data: a study of the (French) scientific production

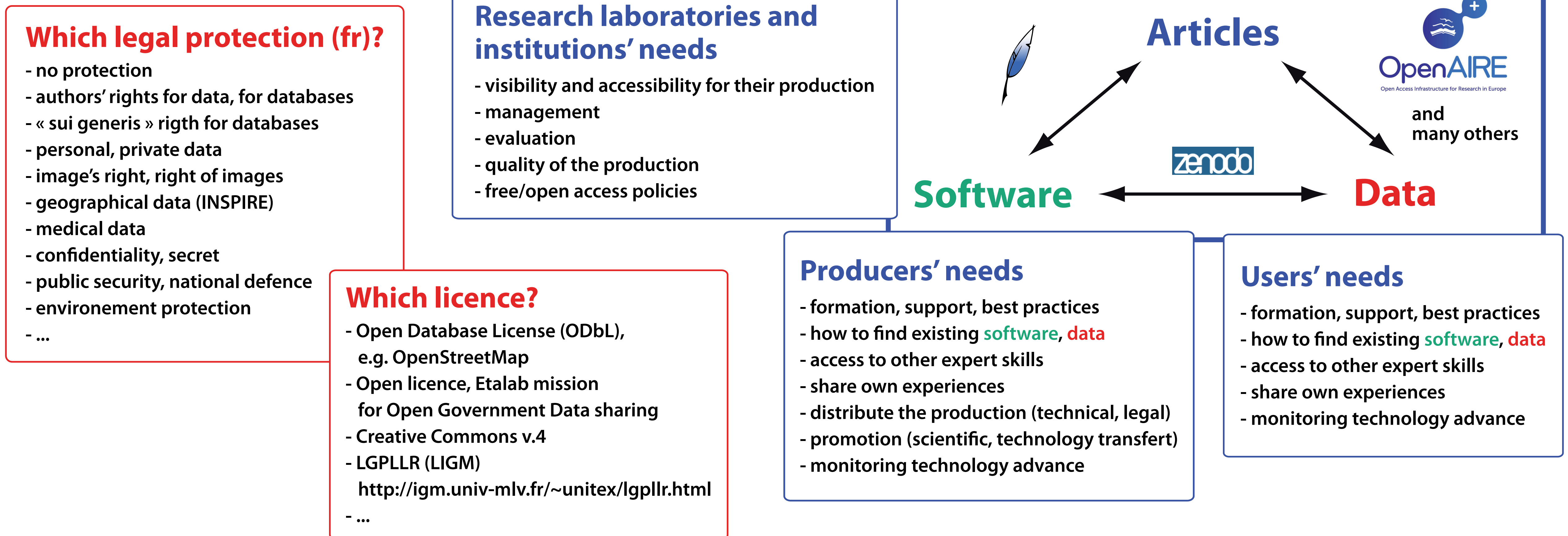
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Articles are the most visible and accessible part of the research.

The distribution of software and data raises similar issues.

Data can be complex legal objects.



## On the management of the research production: a comparison study

	Article (*)	Software (*)	Data
<b>Definition (L, T) (**)</b>	ok	to be defined	to be defined
<b>Signature (C, T)</b>	ok, defined by head institutions	to be defined (copyright line), associate the labs	to be defined, associate the labs
<b>References (L, T)</b>	HAL	PLUME	metadata, more and more deposits, which one?
<b>List of lab's works (L, T)</b>	up to date	unknown, PLUME can be useful	unknown
<b>Free/open access (C, L, T, CSI)</b>	policies (+/-) ok, deposit ok (HAL)	policies (licences) to be defined, deposit to be establish	policies (licences) to be defined, deposit to be establish
<b>Validation (C, L, T, CSI)</b>	peer review, reproductibility	to be defined validated (in PLUME's sense)	to be defined curation?
<b>Quality and evaluation (C, L, T, CSI)</b>	nb. of citations	according to associated articles, capacity to attract users, contracts	according to associated articles, capacity to attract collaborators
<b>Motivation (C, L, T, CSI)</b>	research, article	research, not the software	research, data
<b>Object (C, L, T, CSI)</b>	scientific	3D: scientific, but also a potential of technology, industrial transfert	MultiD: scientific, transfert, multiple reuse possible

(\*) See Article vs. Logiciel : questions juridiques et de politique scientifique dans la production de logiciels <https://www.projet-plume.org/ressource/article-vs-logiciel>

(\*\*) (C, L, T, CSI) : different levels of decision making.

**Keywords: shared knowledge, reproductibility, accessibility, free/open access, ...**

**Help researchers and laboratories to improve the management and dissemination of software and data improves the smooth functioning of research.**

### Few references

- Safe to be open. Study on the protection of research data and recommendations for access and usage, L. Guibault, A. Wiebe (2013), University of Göttingen

- Creative Commons licences, <http://creativecommons.org/>

- Droit d'auteur des chercheurs, Bases de Données et Archives Ouvertes, Martin Dantant (DAJ, CNRS), July 2013, <http://mistral.cnrs.fr/spip.php?article350>

- A Surfboard for Riding the Wave - Towards a four country action programme on research data, Nov. 2013, <http://www.knowledge-exchange.info/Default.aspx?ID=469>

- 2nd Open Access Colloquium : présent et futur des publications scientifiques, June 2014, [http://wavelets.ens.fr/OAC\\_ENS\\_2014/](http://wavelets.ens.fr/OAC_ENS_2014/)

- INSPIRE : une infrastructure de partage des données géographiques, Marc Leobet (presentation RBDD, Oct. 2013)

- Thème PLUME : patrimoine logiciel d'un laboratoire, T. Gomez-Diaz, <https://www.projet-plume.org/patrimoine-logiciel-laboratoire>



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