

**Help developers and laboratories to improve the management and dissemination
of software contributes to the smooth functioning of research.**

PLUME

Goals

- Share competences and value knowledge about **software**
- Promote software produced by the academic community
- Create and lead a developers' community
- Promote the use of and contributions to free/open source software

By means of

- Server publishing software description cards
- **Publishing procedure:** reviewing, periodic updating, ...
- **Information organisation:** keyword indexation, theme classification, ...
- Mailing lists and other communication tools (RSS, ...)
- Summer schools (ENVOL, ...) and workshops

PLUME for

Quelques recherches par mots-clés sur PLUME

1070 fiches 

- **calcul scientifique** (236 fiches) : R, LAPACK, SAGE, Scilab, ScientificPython, Zebre, ...
- **géographie** (21 fiches) : SITools2, GeoNetwork, OrbisGIS, OpenLayers, TXM, ...
- **géomatique** (20 fiches) : OpenJUMP, Quantum GIS (QGIS), gvSIG, MapWindow, ...
- **grappe/grilles** (29 fiches) : Rocks, DIRAC, APCScheduler, iRODS, Paraloop, OAR, ...
- **modélisation** (124 fiches) : NEMO, OASIS, Ariana, PLAS3D-COQUE, Neper, Stanlax, ...
- **traitement de données** (120 fiches) : SVDetect, ROOT, BioMAJ, Mixmod, Unitex, ...
- **traitement d'images** (50 fiches) : GIMP, Aladin, libcrn, ImageJ, erCv, Imview, ...

Some keyword searches on PLUME - FEATHER

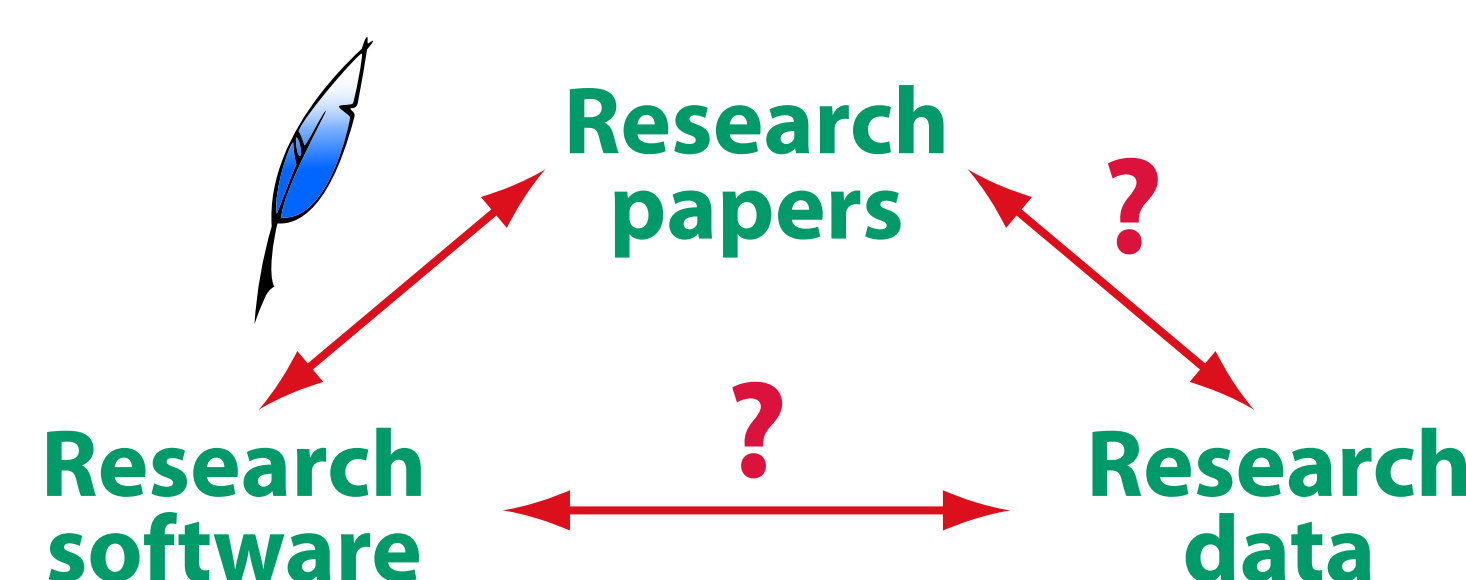
91 items 

- **cluster/grid** (7 items): StratusLab, CiGri, XtremWeb-HEP, HINTS, EDNA, ...
- **data modelisation** (20 items): NEMO, elle, DOLMEN, GMTE, TORSION, Okada, ...
- **data processing** (15 items): masschroq, CASSIS, pyFAI, EDNA, PFIM, Unitex, ...
- **geography** (2 items): 1D Wavelet decompositions, OpenKN
- **image processing** (18 items): libcrn, PINK, GC-PPXA-QUANTIZER, Olena, ...
- **scientific computing** (39 items): GammaLib, GetFem++, SOFA, RobOptim, ...

How to contribute to PLUME

- You can become a member of **PLUME** by registering on the server and:
- add yours comments to the published software description cards
 - propose new software description cards

Research needs links



Keywords:

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

What is research software?

Software developed in order to study a scientific object or theory, to make a computation, to visualize a model, ... and that is **related** to a research paper.

How to deal with research software?

- Identify everyday needs for users, developers and research labs and institutions
- Study the problems raised by software dissemination
- Establish your goals

How to find the right software to solve my professional needs?

- A lot of research software is produced
- Some is free/open source software
- Some is distributed (sometimes not in the best conditions)
- Most of it is unknown software
- Most of it is useful for other researchers/labs/projects/industry
- There is no organization/structure inside the community to share this knowledge

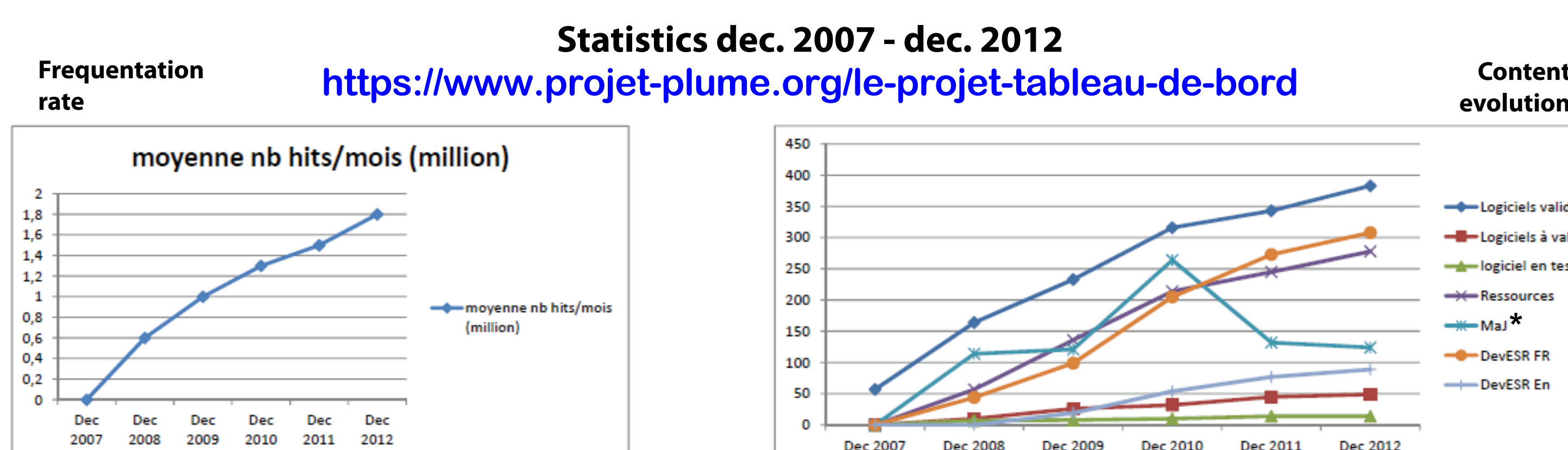
Labs and institutions' needs

- Visibility and accessibility for their production
- Management
- Evaluation
- Quality of the production
- Free/open access policies

Patrimoine logiciel d'un laboratoire

Theme PLUME pour étudier la gestion et la diffusion
des logiciels d'un laboratoire.

Mots-clés : licence-juridique, référencement, valorisation, ...



oct. 2007: PLUME server opens
nov. 2011: 1000 published cards
aug. 2012: 2000 members



Contact: plume@services.cnrs.fr
URL: <https://www.projet-plume.org>
Hosted by CC-IN2P3 (CNRS, Lyon)

PLUME is open for contributions to the Higher Education and Research
communities and to our partners, and has free access for everyone.
In discussion: to extend the whole French server to the English interface.