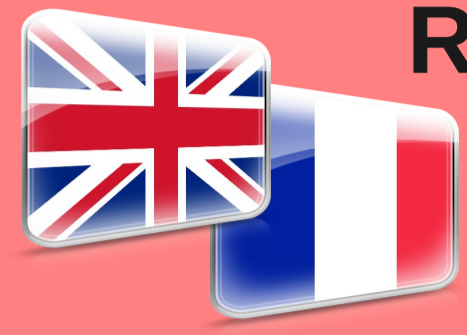


One site – two directories for sharing your favourite applications and software production

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for the PLUME technical committee

RELIER



Reference software within the Higher Education and Research community
Référencer les Logiciels Internes de l'Enseignement supérieur et la Recherche

Mission

Universal directory of software development in research and education on the PLUME platform

- **Make your code known** to other colleagues, potential users and collaborators in the domain of R&E
- **sustain** expertise related "to these developments, encourage and facilitate scientific exchange
- **constitute and preserve the cultural heritage** of knowledge and competences in software engineering for research and education

Information and advice for developers

- FAQ : licence & copyright for development of FLOSS in research labs
- Why distribute your research software with a well defined free licence?
- Lab guide for a software development inventory
- Legal and administrative recommendations for distributing "lab software"
- Project: forge / repository for developments in research and education

<https://www.projet-plume.org/patrimoine-logiciel-laboratoire>

Contact : plume@services.cnrs.fr
<https://www.projet-plume.org/relier>

PLUME

Promouvoir les Logiciels Utiles, Maîtrisés et Economiques pour la communauté de l'Enseignement Supérieur et de la Recherche



Mission

- Share competences and re-use software expertise focused on **Research and Education**
- Promote and advertise software used in the community
- Create network of competences about software and development
- Encourage use of and contribution to FLOSS

Connected Projects and Perspectives

- Increase of number of themes and reference cards, exhaustive referencing of software development in CNRS laboratories and other institutes easing technology transfer
- RELIER : Referencing software developments in Education and Research in specific reference cards
- Developer schools "ENVOL" in 2008, 2010, 2012, (2014) and thematic PLUME days
- DEVLOG: national network of competences and developers
- Forge : proposal for a national project of forge/repository for the community

Contact : plume@services.cnrs.fr
<https://www.projet-plume.org>

Motivation

- **Significant software production** in research labs and universities
 - for research, directly and indirectly
 - for administration (of publications, ressources, conferences, ...)
- **innovative software**
 - often FLOSS
 - sometimes distributed in the community
 - mostly insufficiently known by the community or fallen into oblivion
- **No national or international directory**
- Waste and redundancies for scientists, labs and projects

Methodology

- **Referencing** of this software in reference cards of the PLUME site, using associated tools like indexing per lab / university / discipline
- **No formal constraints** wr/t
 - status of software (life cycle)
 - associated documentation
 - licences for software

Framework / Context

- PLUME-RELIER / PLUME-FEATHER (en)
- Pilot labs : ICJ Lyon, LIGM Marne-la-vallée, LAAS Toulouse
- Supports: Groupe Calcul, INSMI-CNRS, DPI-CNRS, ...

Figures (october 2013)

- 1263 reference cards for: 405 validated programs, 50 to be validated, 14 under test, 292 resource cards, 356 RELIER cards, of which 114 are written in english, 32 archived
- 948 contributors, 2261 members
- approximately 200k pages seen per month on website

Organisation

- Open to the whole community of Higher Education and Research and their partners
- Founded by UREC under the auspices of CNRS in 2006, after restructuring hosted by ARESU of DSI of the CNRS
- 28 Co-ordinators per theme (biology, chemistry, physics, collaborative work, system administration, ...)
- Contributors: edit and review reference cards

Partners – Support

- 50 research labs and other structures
- IN2P3: CC, CPPM, LAL
- LAAS, LIGM, CNAM IdF, INIST, LIPM, COM, ESRF, IRIT, DGD-R CNRS, 2 CNRS institutes, Framasoft, INSA Lyon, RESINFO, RENATER

Objectives

- Software used within the community
 - Centered on our needs
 - Selected by specialists of a given theme, reference cards edited by experts inside the community and validated by peer review
 - Target: 10 000 computer scientists of the community (in France, international more) and "enlightened users"
- Software developed Logiciels développés Ens Sup Recherche
 - Target: researchers, teachers, professors, TT services, industry
- Keywords (themes, domains, ...)
- Regular update of all reference cards (9 mo.)

www.projet-plume.org

Platform with reference cards for :

- **Software used and validated** by the community
 - **Software developed** by the community
 - **Resources** (articles, FAQ, ...), associated mailing lists, RSS syndication by themes ...
- English portal : **PLUME-FEATHER**
Collaborative platform (editing, peer review, publication, indexation)

