

LAAS-PLUME partnership

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Plan

- LAAS Presentation
- Implications of LAAS in PLUME platform
- Benefits
- Expectations















LAAS

- 1967-68: Control Science and Space applications "Laboratoire d'Automatique et de ses Applications Spatiales". A unit of CNRS associated with Toulouse University.
- 1973: Became "Laboratoire d'Automatique et et d'Analyse des Systèmes".
- 1994: "Laboratoire d'Analyse et d'Architecture des Systèmes".
- Main domains of Research today: Information Sciences and Technologies
 - Microelectronics, Micro and nano systems
 - Control Science: System modeling, optimization and control
 - Robotics and Artificial Intelligence
 - Computer Science: Critical Information Systems



Main Scientific objectives

- Systems as a main topic of research:
 - To study, model, design and control complex heterogeneous systems, in interaction with other systems and/or with humans.
 - At different scales.
 - With an integrative approach, including experimental developments.
 - Often along a multidisciplinary approach within LAAS and with partners.
- Applications to real world problems



Systems and Applications

- Systems
 - Micro and nano systems
 - Integrated Systems
 - Embedded Systems
 - Distributed and networked Systems
 - Mobile Systems
 - Autonomous Systems

- Application Fields
 - Aeronautics
 - Space
 - Transports
 - Energy
 - Services
 - Health
 - Telecommunications
 - Environment
 - Production
 - Defense
 - Cyber security



Cancer-Bio-Santé





Personnel

Permanent staff

- 202 Researchers and Faculty Members
 - 92 CNRS researchers
 - 110 Faculty members
- 89 engineers, technicians and administrative clerks

Temporary personnel

- 7 contractual researchers
- 16 Visiting and associate researchers
- 44 Post-docs
- 248 PhD students

Over 650 persons in average

And ~ 200 interns/year



Publications and Production

1/1/2005 - 30/6/2009

Total ACL	617	Articles in journals with review board analyzed by international databases
Total ACLN	66	Articles in journals with review board not analyzed by international databases
Total ACTI	1549	Papers in an international conference with proceedings
Total ACTN	351	Papers in a national conference with proceedings
Total COM	104	Papers in a conference without proceedings
Total DO	21	Book editors
Total INV	49	Invited papers
Total OS	79	Scientific books or Chapters of scientific books
TOTAL	2836	

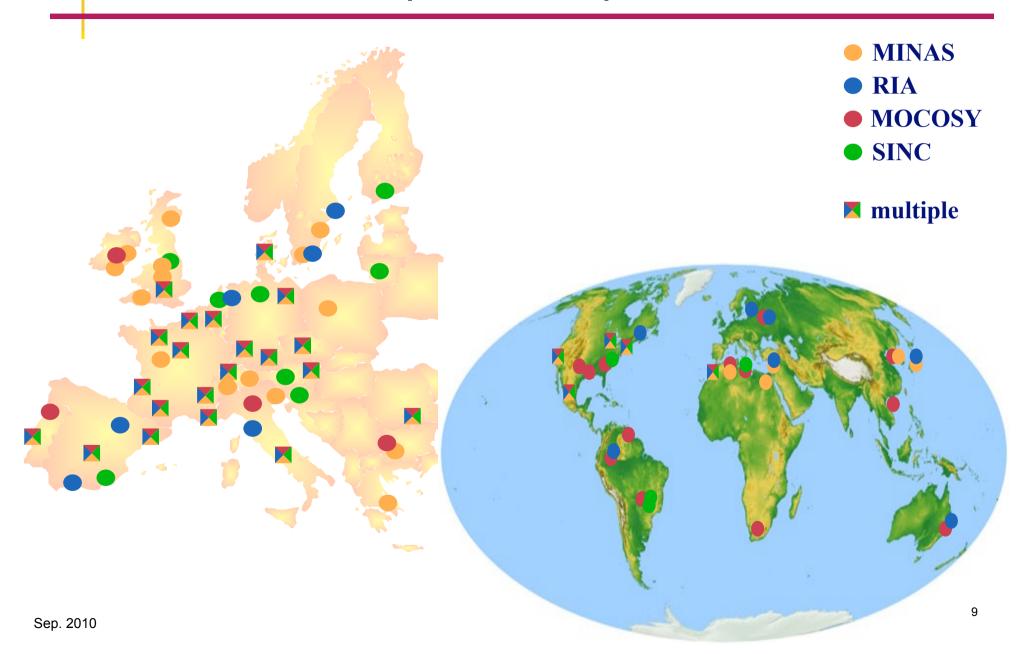
About 700 annual publications

38 patents; 11 international extensions; 21 Open software

Sep. 2010 LAAS



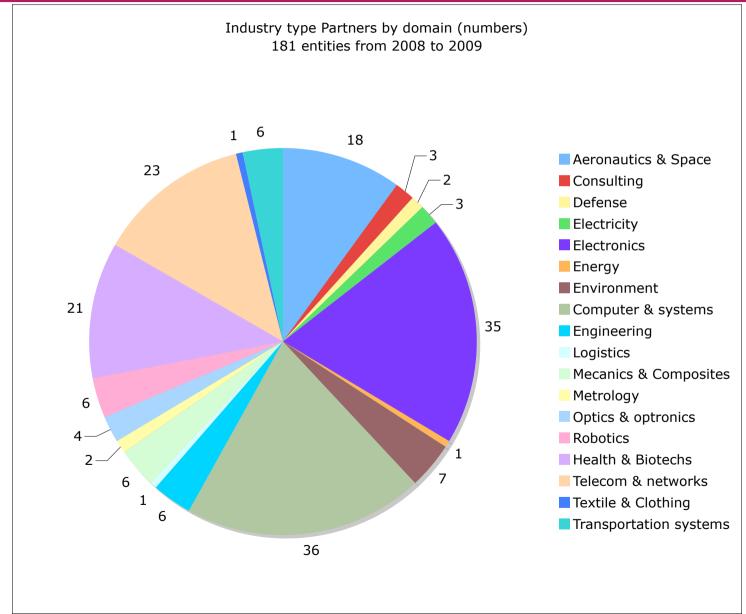
International partnership





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LAAS Industrial Partners by Domain



10



LAAS implications in PLUME platform

- LAAS: partner of PLUME
- 2 theme managers :
 - Cooperative work http://projet-plume.org/travail_cooperatif
 - Tools for software development http://projet-plume.org/developpeur
- Co-organization and hosting of PLUME days
- Partner of ENVOL schools (2008 and 2010)
- Participation in ForgeESR study (forge for academics)

http://projet-plume.org/ressource/synthese-de-letude-pratiques-de-developpement-forgeesr

- Pilot lab for RELIER project http://projet-plume.org/LAAS
 - census of software developed by or in collaboration with LAAS (25 french cards, 3 english cards)



LAAS implications in PLUME platform





LAAS implications in PLUME platform

Some indicators:

- LAAS PLUME members: 35
- LAAS contributors (cards authors and reviewers): 27
 - 56 cards from LAAS authors
 - 8 ongoing cards
 - 27 reviews



Benefits for LAAS

- Improve software valorisation
- Enhance visibility of LAAS software in its research fields and in others fields
- Valorization of competences and expertise of its personnel through :
 - Published cards
 - PLUME days
 - ENVOL schools
- Conferences participations in order to present the actions of PLUME with LAAS: FOSSA 09 and 10, NOTERE 10, OWF 10,



LAAS expectations

- Sustainability of PLUME:
 - Plume (platform and community) as a (stable) basis for dissemination and cross fertilization
 - Plume as a (stable) tool for collaboration and dissemination / valorization
- Reference frame of software laboratories (interactions with other fields)
- Help for a better finalization of software for a broader diffusion (legal and technical aspects)
- As consequences of the forgeESR study :
 - Get a better knowledge of the existing forges
 - Access to a (future) portal gathering the existing forges
 - Access to a new national forge meeting the needs of academics users



More information

PLUME/FEATHER:

http://www.projet-plume.org , http://projet-plume.org/en

LAAS:

http://www.laas.fr

FAQ forges:

http://www.projet-plume.org/ressource/faq-forge

ForgeESR project:

http://www.projet-plume.org/ressource/projet-de-forge-ens-sup-recherche-le-perimetre-restant-a-definir

PLUME - 3 years old platform :

http://www.projet-plume.org/files/Plumecommunique-R-nov-2010.pdf

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