



## Enhanced visibility and access to Inra's publications on a subject (landscape ecology) through open archive

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L'archive ouverte pluridisciplinaire **HAL**, est destinée au dépôt et à la diffusion de documents scientifiques de niveau recherche, publiés ou non, émanant des établissements d'enseignement et de recherche français ou étrangers, des laboratoires publics ou privés.

# ENHANCED VISIBILITY AND ACCESS TO INRA'S PUBLICATIONS ON A SUBJECT (LANDSCAPE ECOLOGY) THROUGH OPEN ARCHIVE.

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## Contents

- Introducing Inra
- Open Access Strategy
  - ✓ Publications and Business Models
  - ✓ Prodinra : an Open Archive integrated in the Institute information system
- Key factors to Open Access
- What about the thematics « landscape ecology »?
- Other OA initiatives: Dspace-Avignon and Symposciences

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## Introducing INRA

- INRA is ranked **2nd in the world and 1st in Europe** for publications in agricultural, plant and animal sciences.
- INRA carries out mission-oriented research for high-quality and healthy food, competitive and sustainable agriculture and a preserved and valued environment.
- INRA encourages a **multidisciplinary** approach to research.
- Persons
  - ✓ 1,828 researchers
  - ✓ 1,784 doctoral students work at INRA
  - ✓ 1,000 foreign researchers come to INRA every year.
  - ✓ Research equipment, experimental facilities are managed by a 7000 engineers and technicians.

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## Inra Open Access Strategy (1)

- Inra has signed the international Berlin convention promoting Open Access
- Inra has developed since 2005 an institutional open archive : Prodinra
- Eight journals led by Inra
  - ✓ retrospective digitization of back issues freely available
  - ✓ Hybrid journals experiments (for one or two journals)
- Partnership with other archives (HAL, REPEC, VOA3R)

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## Inra Open Access Strategy (2) Inra journals

### ■ Hydris journals

- ✓ Open Choice = possibility for authors to make their papers **freely available** to all interested readers (subscribers or non subscribers)
- ✓ discount fee of 550 € (out of 1500-2000 €) per article in 2008

### ■ Retrodigization

- ✓ Le Lait - Dairy Science and Technology : archives from 1921
- ✓ Agronomy for Sustainable Development : archives from 1981
- ✓ Annals of Forest Science : archives from 1980
- ✓ Apidologie : archives from 1970

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## Inra Open Access Strategy (3) Institutional Open archive

**Nov 2006 : Prodinra 1 open archive with records of our oldest database**

**2010 : Next Version Prodinra 2.0**

Linked to

HAL (National French institutional Archive)

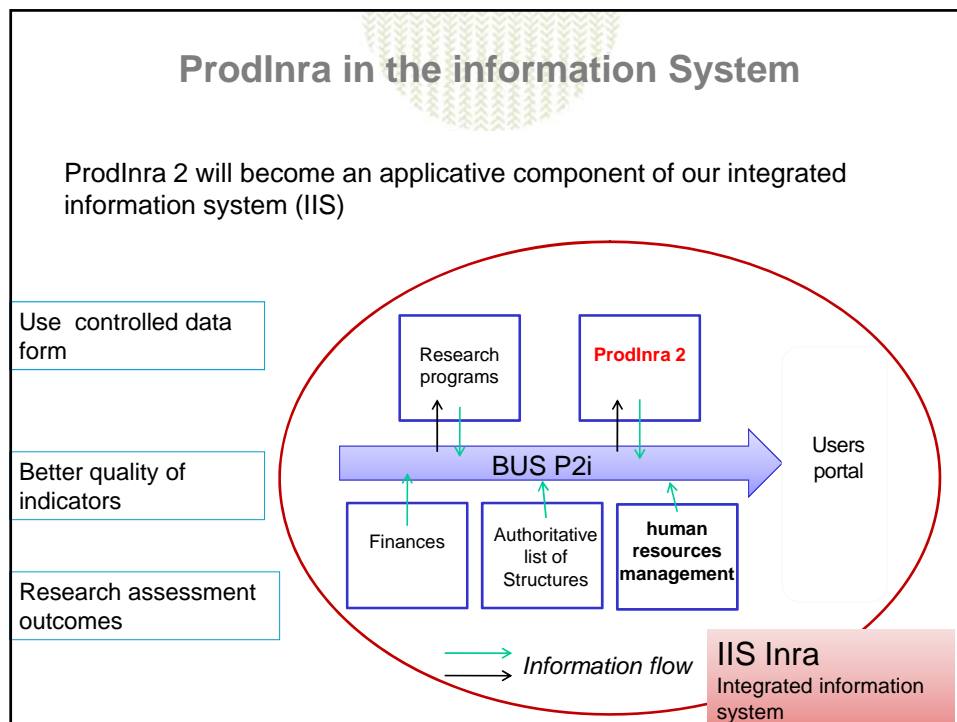
Thematic repository (Repec, Orgprints, VOA3R)

In three  
years

Date	references	Full Text enclosed (OA + intranet embargo, confidential)	Full Text : OA
Oct. 2006	101 214	0	0
Sept. 2009	120 953	4 498	3 591

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## Key factors for success to self-deposit in Open archives

- 2010 : Prodinra policy oriented to consolidate records with full text.
- Large communication to researchers
- Assistance for deposit (Inra network – 100 documentalists)
- Clear and easy to use (ergonomy)
- Benefic visibility (time accessed, time cited, accessed for all publics)  
data available in thematic repositories such as Agris (FAO) and VOA3R (new european program)
- Facilitate importations (inputs) and data exploitations (outputs)
- Close to thematics, through controlled keywords : for example landscape ecology

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## Prodinra 2 (2010)



## Identify Thematic Portals

### ■ Problem

- ✓ INRA needs its whole production in the Institutional open archive but !
- ✓ Researchers also want to be identified in thematic open archives

### ■ Which solution ?

- ✓ Duplicate deposit ?
- ✓ If Not which archive should be preferred ?

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## Identify Thematic Portals (2)

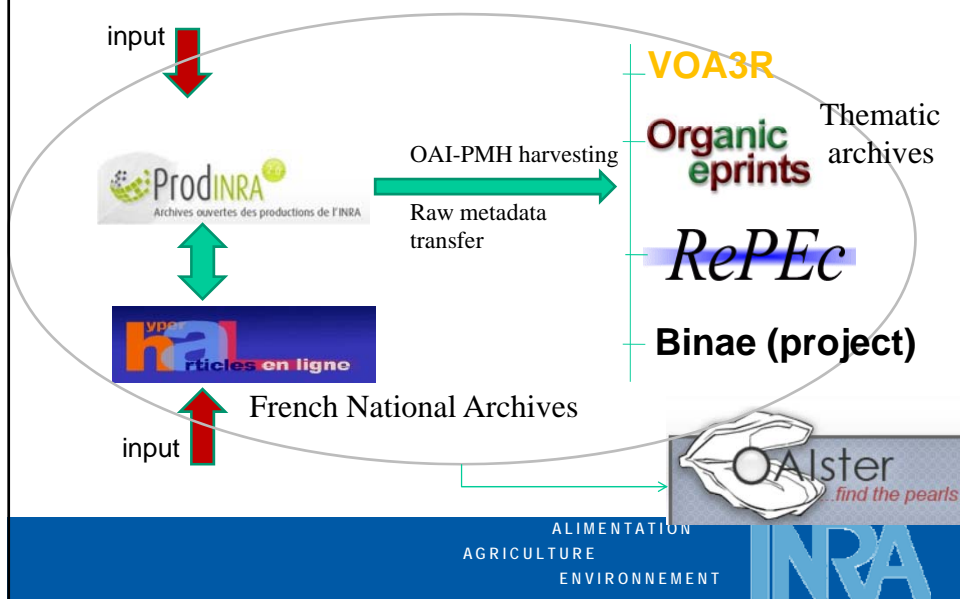
### Proposed Solution :

- Give priority to the institutional archive which allows outputs and institutional services (reference lists, indicators).
- Enable document metadata transfer from institutional to thematic archives

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## Identify Thematic Portals (3)



Identify Thematic Portals (4)

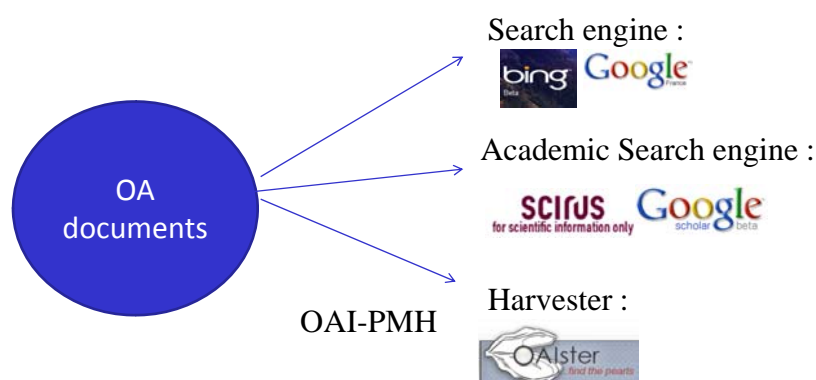
## VOA3R - Virtual Open Access Agriculture & Aquaculture Repository

- European Project (grant 4 millions euros)
- Create a european thematic portal in agronomy and environment sciences
- Integration of existing open archives systems
- Using protocols as OAI-PMH for interoperability
- Inra (with Prodinra) is one of the partners

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## Visibility = search engine indexing



OAI-PMH = Open Archive Initiative- Protocol for Metadata Harvesting

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## Develop strategies in terms of choice of tools.

- Open source software can be used to build an open archive (example Eprints, Dspace)
- But we needed a tool
  - ✓ integrated in our institutional information system
  - ✓ Suitable for other electronic documents management (ex administrative, assessment documents)



Filenet software completed with informatic development

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## Landscape Ecology

- A topic very important for different communities (researchers, politics, technicians...) because of its implications in environmental policy (climate changes, biodiversity)
- 2000-3000 international articles (Web of science)
  - ✓ Easy access for researchers who can have academic access to publications
- Many other « hidden » documents (thesis, conference, report, courses) are written in this thematic

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## Journal article without full text in open access

researchers



Institutionnal Access

politicians



technicians



General public



Impact factor 2008 : 4,56  
Ecology Category 16/124

Lavigne, C. ; Klein, E. ; Mari, J.F. ; Le Ber, F. ; Adamczyk, K.  
; Monod, H. ; Angevin, F.

How do genetically modified (GM) crops contribute to  
background levels of GM pollen in an agricultural  
landscape?

**Journal of Applied Ecology.** 2008, 45 (4) : 1104-1113

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## Journal article with full text in open access

researchers



Institutionnal Access,  Prodinra oaister

politicians



technicians



General public



Impact factor 2008 : 3,47  
Rank in Ecology Category  
25/124

Fallour-Rubio, D. ; Guibal, F. ; Klein, E.K. ; Bariteau, M. ;  
Lefèvre, F.

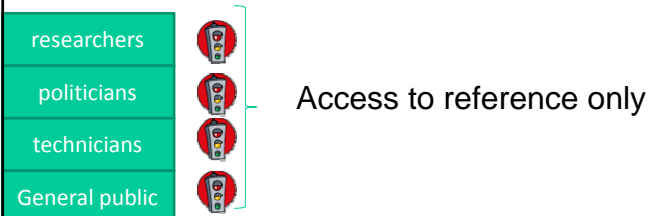
Rapid changes in plasticity across generations within an  
expanding cedar forest

**Journal of Evolutionary Biology.** 2009, 22 (3) : 553-563

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## Conference without full text in open access

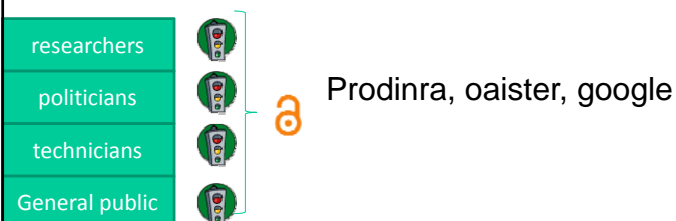


Restoux, G. ; Pichot, C. ; Klein, E.K. ; Fady, B.  
How do genetic and ecological factors explain the  
number of empty seeds for a European conifer (*Abies  
alba*, Mill.)  
[Communication orale (résumé)]. 2. Seed Ecology. Seeds  
and the environment ; 2007/09/09-13 ; Perth WA (AUS).  
2007. **Oral communication**

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## Conference with full text in open access



Delattre, T. ; Le Fréon, V. ; Vannier, C. ; Vasseur, C. ; Boussard, H.  
Paysage et interdisciplinarité : regards croisés sur la Zone Atelier  
de Pleine-Fougères en Bretagne  
[Communication écrite]. 1ères journées doctorales en Paysage ;  
2008/12/03 ; Angers (FRA). 2008. 17p  
**Conference paper, written communication**

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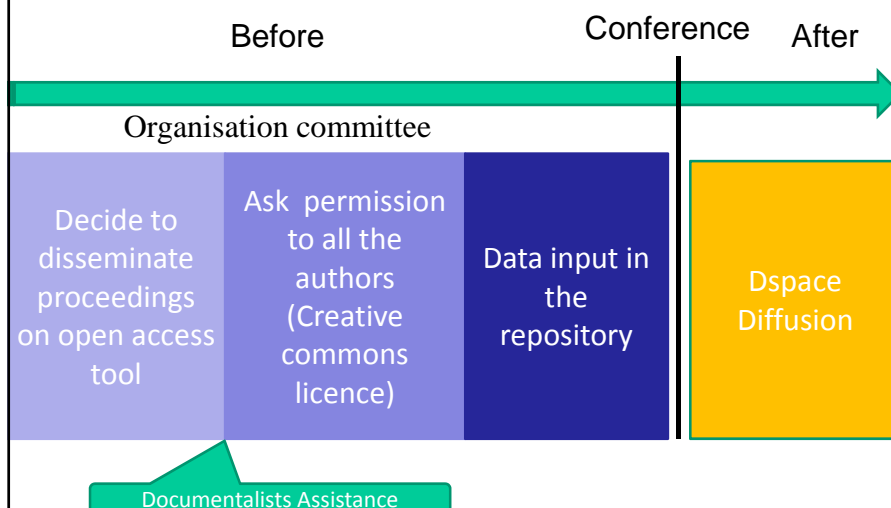
## An example of local tool to enhance visibility : Dspace-Avignon

- Open source software (MIT and HP)
- Allows to create document collections and to restrict access to defined communities or open full text for anybody
- Local project at Inra Avignon Centre
- <http://www.avignon.inra.fr/dspace>

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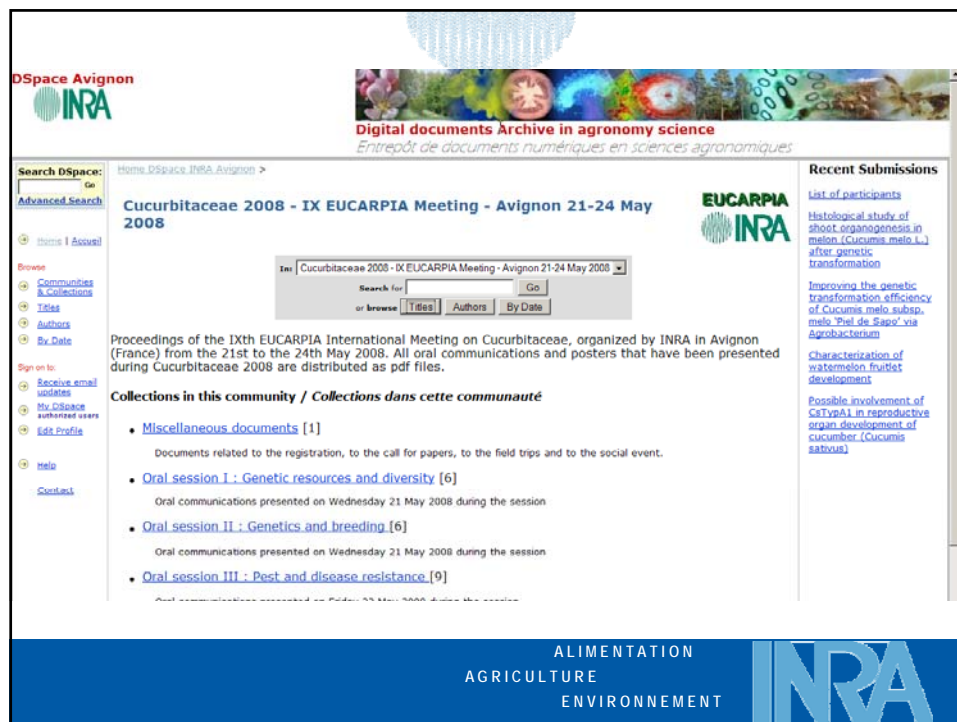


## Conference proceedings in Dspace-Avignon



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## Another example : Symposciences

- French portal for conference paper diffusion in open access
- Commercial service for editing papers
- Publisher : Quae editions



## Open access news – sept 30, 2009

- Providing open access to agricultural research in India will help drive development and reduce poverty, says Bruce Alberts, editor-in-chief of *Science*
- Universities and libraries subscribe to only a fraction of the roughly 25,000 peer-reviewed journals (Steven Harnad)
- This means "**research is having only a fraction of its potential usage and impact**".

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## Conclusion

- Inra goal is to give a large access to its researchers publications by enhancing self deposit in open archive
- And also use Prodinra as institutional services for research assessment
- Many institutions are doing actions for self deposit (20 millions documents in OAISTER)
- Open access and self deposit is the solution for a wide dissemination of knowledge in a thematic approach (landscape ecology)

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**Thanks for your attention**

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**INRA**