



**HAL**  
open science

**Repositório Virtual de Acesso Aberto em Agricultura & Aquicultura: compartilhar e valorizar pesquisas científicas e acadêmicas relacionadas com a agricultura, aquicultura, alimentação e meio ambiente.**

**(<http://voa3r.eu>)**

Pascal Aventurier, Diane Le Henaff

► **To cite this version:**

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**HAL Id: hal-02808778**

**<https://hal.inrae.fr/hal-02808778v1>**

Submitted on 6 Jun 2020

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## VOA<sub>3</sub>R

Virtual Open Access Agriculture & Aquaculture Repository:  
sharing scientific and scholarly research related to  
agriculture, food, and environment

**Repositório Virtual de Acesso Aberto em  
Agricultura & Aquicultura: compartilhamento de  
pesquisas científicas e acadêmicas relacionadas  
a agricultura, aquicultura, alimentação e meio  
ambiente. (<http://voa3r.eu>).**

Pascal Aventurier

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Diane Le Hénaff, [lehenaff@versailles.inra.fr](mailto:lehenaff@versailles.inra.fr)

[Pôle Open Access](#) - DV-IST

- Inra - Prodinra
- Projeto VOA3R: objetivo
- Repositório e VOA3R
  
- A plataforma VOA3R
  - Arquitetura
  - Funcionalidades – busca de informações
  - VOA3R e o modelo Cerif
- Conclusão







<http://www.inra.fr/>



- Instituto nacional de pesquisa agrônômica – França
- Segundo maior instituto em agronomia no mundo
- **Pesquisas finalizadas**
- **Alimentação saudável e de qualidade, com uma agricultura competitiva e durável e melhor para um meio ambiente preservado**
- 8 488 empregados, 213 unidades de pesquisa,
- 42 patentes em 2010
- signatário da Convenção em Berlim sobre Acesso aberto (2005)
- **Repositório desde 2006 Prodinra**

<http://www.inra.fr/prodinra>



[http://www.international.inra.fr/the\\_institute/a\\_brief\\_overview/annual\\_reports/2010\\_annual\\_report](http://www.international.inra.fr/the_institute/a_brief_overview/annual_reports/2010_annual_report)



# VOA<sub>3</sub>R (JUNHO 2010 À MAIO 2013)



- Acesso focalizaado na literatura de acesso aberto
- Comunidade de cientistas através de uma rede social
- Avaliação dos documentos
- Serviços inovadores em buscar e visualizar os resultados

ALIMENTATION  
AGRICULTURE  
ENVIRONNEMENT



<http://voa3r.eu>



Rede VOA3R  
<http://voa3r.cc.uah.es>



# VOA<sub>3</sub>R TEMÁTICAS





## OS 14 PARCEIROS EM 11 PAÍSES DIFERENTES

UDE, *Germany*

INRA, *France*

GRNET, *Greece*

AUA, *Greece*

ACTA, *France*

CINECA, *Italy*

UAH, *Spain*

SLU, *Sweden*

UHASSELT, *Belgium*

TEIA, *Greece*

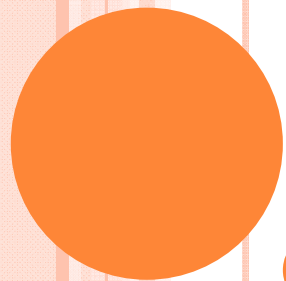
ARI, *Cyprus*

CULS, *Czech Republic*

ICROFS, *Denmark*







## Repositórios e VOA<sub>3</sub>R

# VOA<sub>3</sub>R : REPOSITÓRIOS PARTICIPANTES



Oai-pmh  
Dublin Core

Respositórios  
integrados



12/11/2011 400 000 documentos – 11 repositórios



## CONNECT (CONTACT [VOA3R.PROJECT@GMAIL.COM](mailto:VOA3R.PROJECT@GMAIL.COM))

- Repositório com OAI-PMH (Dublin Core)
- formatos normativos Dublin Core – Dublin Core qualificados, MODS, AGRIS-AP (FAO)



harvesting

- URL
- Port
- Set [opcional]
- Date interval



# REFERÊNCIA PRODINRA EM OAI-DC

```

- <record>
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  </header>
  - <metadata>
    - <oai_dc:dc xsi:schemaLocation="http://www.openarchives.org/OAI/2.0/oai_dc/ http://www.openarchives.org/OAI/2.0/oai_dc.xsd">
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        Risque, vulnérabilité et produits financiers : un cadre d'analyse appliqué à la finance rurale
      </dc:title>
      <dc:creator>Bouquet, E.</dc:creator>
      - <dc:creator>
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      </dc:creator>
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      <dc:date>2007-12-11</dc:date>
      <dc:type>Book</dc:type>
      - <dc:identifi er>
        http://www.prodinra.inra.fr/prodinra/pinra/doc.xsp?id=PROD2008d585d190&uri=/notices/prodinra1/2008/01/
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      <dc:language>FRE</dc:language>
    </oai_dc:dc>
  </metadata>
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## REFERÊNCIA ORGPRINT (OAI DC)

### Dublin Core Metadata (oai\_dc)

<b>Title</b>	Study on the introduction of organic tomato greenhouse in Massa plain, Agadir, South Morocco
<b>Author or Creator</b>	Ayoub, Mohamed
<b>Subject and Keywords</b>	Vegetables
<b>Subject and Keywords</b>	Morocco
<b>Description</b>	Organic tomato is growing these last four years in Morocco. As the local market isn't promoting, a great effort has been done in order to get the international market and mainly an European one. The outside season production of tomato need the greenhouse. That's why a greenhouse production of organic tomato is an important point to deal with it. (JAMEA EL MOSTAFA, 23 july, 2003)
<b>Date</b>	2002-06
<b>Resource Type</b>	Thesis
<b>Resource Type</b>	NonPeerReviewed
<b>Format</b>	source
<b>Resource Identifier</b>	<a href="http://orgprints.org/930/1/DSPU_thesis.doc">http://orgprints.org/930/1/DSPU_thesis.doc</a>
<b>Resource Identifier</b>	Ayoub, Mohamed (2002) Study on the introduction of organic tomato greenhouse in Massa plain, Agadir, South Morocco. Thesis, Mediterranean agronomic institute of bari, Organic Agriculture. . [Unpublished]
<b>Relation</b>	<a href="http://orgprints.org/930/">http://orgprints.org/930/</a>
<b>Language</b>	eng





A plataforma VOA<sub>3</sub>R  
Arquitetura- Funcionalidades - exemplo

β

# FRONT OFFICE



Font size [Bigger](#) | [Reset](#) | [Smaller](#)



- Home
- Search
- Browse
- Providers
- Connect
- About

## Login Form

User Name

Password

Remember Me

[Log in](#)

[Forgot your password?](#)  
[Forgot your username?](#)  
[Create an account](#)

## Online Users



3 users and 7 guests  
online  
[Show All](#)

24 e 25 de Novembro de 2011 - IBICT, Rio de Janeiro

novidades



## Get Connected!

- Connect and expand your network
- View profiles and add new friends
- Share your photos and videos
- Create your own group or join an existing one

[JOIN US NOW, IT'S FREE!](#)

## Recent activities

[Salvador](#) Reviewing VOA3R portal usability  
3 hours ago

[1 person likes this](#)

[Ramiro Cano Gómez](#) and [Sara Bernárdez](#) are now online  
1 day ago

[Miquel Refusta](#) and [Sara Bernárdez](#) are now online  
1 day ago

[Alberto Abián](#) and [Sara Bernárdez](#) are now online  
1 day ago

[Rosmary](#) and [Elena Mena Garcés](#) are now online  
1 day ago

## Upcoming Events

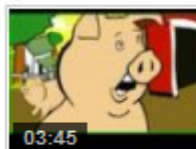
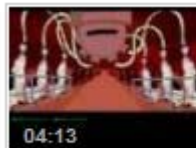
**29 APR** [13th Biennial United States Agricultural Information Network \(USAIN\) Conference](#)  
Minneapolis, MN, USA  
[0 attendees](#)

**23 MAY** [eLearning Africa 2012](#)  
Cotonou, Benin  
[1 attendee](#)

[View all events](#)

## Videos

[Newest](#) · [Featured Videos](#) · [Popular](#)



[View all videos](#)



## Latest Groups



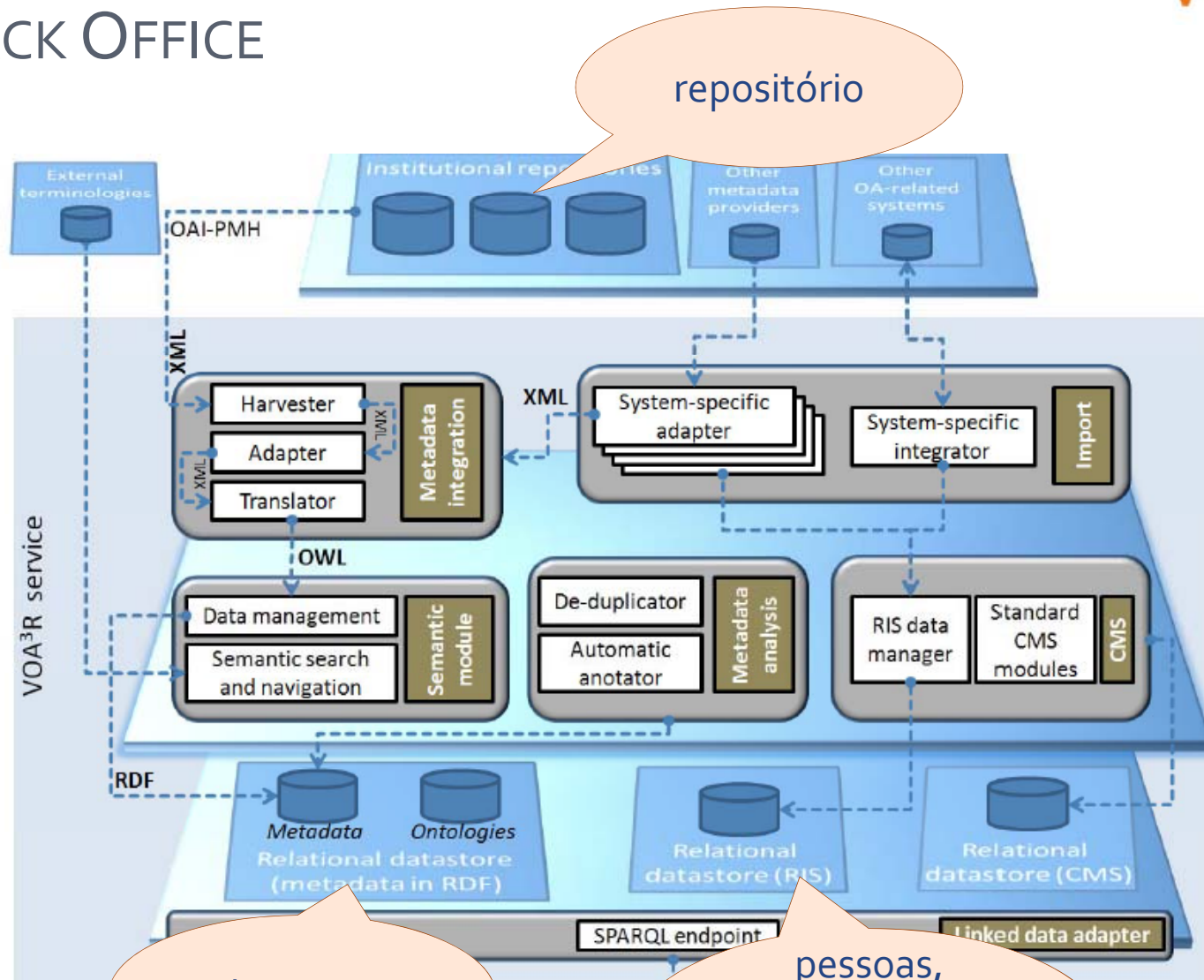
[OER Africa](#)

OER Africa provides access to all the information you will need to [learn about and benefit from Open Educational Resources \(OER\)](#). If you are just discovering OER, it provides an excellent starting point for finding OER and learning about the benefits of sharing.

It currently focuses on the supporting and developing OER in these thematic areas: Agriculture OER, Health OER, Fo ...



# BACK OFFICE



datastore

pessoas, organismos, pesquisas e projetos





# EXEMPLO: UMA REFERÊNCIA



- Home
- Search
- Browse
- Providers
- Connect
- About

## Login Form

Hi Pascal M. Aventurier,

Log out

## Online Users



2 users and 8 guests  
online  
[Show All](#)



Add to my personal collection Access to the resource Share this Report abuse

## Study on the introduction of organic tomato greenhouse in Massa plain, Agadir, South Morocco

by: [Ayoub, Mohamed](#)  
date: 2002-06

### Abstract

Organic tomato is growing these last four years in Morocco. As the local market isn't promoting effort has been done in order to get the international market and mainly an European one. The outside season production of tomato need the greenhouse. That's why a greenhouse production of organic tomato is an important point to deal with it. (JAMEA EL MOSTAFA, 23 july, 2003)

Promote this resource

Discuss about this resource

### Keywords and classifications

+ Add annotation

### Related content

[\[Birds and mammalians of Vallombrosa forest: habitat, feeding and ecosystem problems \[Tuscany\]\]](#)

**Authors:** [Casanova, P.](#), [Memoli, A.](#), [Pini, L.](#)

**Keywords:** [fauna](#)

**Language of the resource:** en

**Description:** abstract not found in any language (...)

**Date:** 2011-11-09

**Access to the resource:** [10 ref.](#)

**v oa3rid:** v oa3r:fao:/2007/IT/IT0650/xml/IT2006602475



[\[Recent research projects of Plant Biology Department on Vallombrosa \[Tuscany; Florence](#)

[University forest sciences\]\]](#)

### Authors in VOA3R

No user in VOA3R has claimed this publication.

+ Claim publication

### Search

Search in arXiv

### Content Rating





Home

Search

Tag based search

Text based search

Navigational search

Social search

Author search

Browse

Providers

Connect

About

## Tag based search

General

Agrovoc

[farm economics](#) [BREEDING](#) [COMPOSTING AND MANURING](#) [DAIRY CATTLE](#) [EDUCATION](#) [CEREALS](#)

[BIODIVERSITY AND ECOSYSTEM SERVICES](#) [health and welfare](#) ["organics" in general](#) [food systems](#)

[EXTENSION AND COMMUNICATION](#) [crop combinations and interactions](#) [FEEDING AND GROWTH](#)

[REGULATION](#) [ENVIRONMENTAL ASPECTS](#) [CROP HUSBANDRY](#) [GENETICS AND PROPAGATION](#)

**PROTECTION** [markets and trade](#) [policy environments and social economy](#) [social aspects](#)

**CROP HEALTH** [AIR AND WATER EMISSIONS](#) [values](#) **QUALITY** [poultry](#)

[food quality and human health](#) [food security](#) [PULSES AND OILSEEDS](#)

[standards and certification](#) [pasture and forage crops](#) [surveys and statistics](#) [packaging and transportation](#) [processing](#)

[technology transfer](#) [weed management](#) [knowledge management](#) [production systems](#) [animal husbandry](#) [soil biology](#)

## Login Form

Hi Pascal M. Aventurier,

# A BUSCA POR NAVEGAÇÃO (AGROVOC CLASSIFICAÇÃO)

- Home
- Search
  - Tag based search
  - Text based search
  - Navigational search**
  - Social search
  - Author search
- Browse
- Providers
- Connect
- About

---

Login Form

## VOA3R navigational search

c\_domain\_concept

▲ c\_category

methods ▼

products ▼

technology ▼

time ▼

processes ▼

properties ▼

organisms ▼

measure ▼

phenomena ▼

substances ▼

subjects ▼

activities ▼

entities ▼

objects ▼

events ▼

systems ▼

location ▼

strategies ▼

stages ▼

state ▼

site ▼

features ▼

factors ▼

resources ▼

groups ▼

Searching by...

*Drag any element here to start searching!*



# A BUSCA DE INFORMAÇÕES



Navigation bar with icons and labels: Home, Your researches, Organizations, Projects, Profile, Friends, User communities, Videos, Events, Notification, Profile, Home, Power.

## Social search

View all | Search | Advanced Search | Invite Friends | Request sent | Pending my approval

> Search Search for [groups](#) [videos](#) [events](#)

Members with avatar only

Grupo  
Video  
Manifestações

## Author search

Search Keyword:  > Search

Saved searches

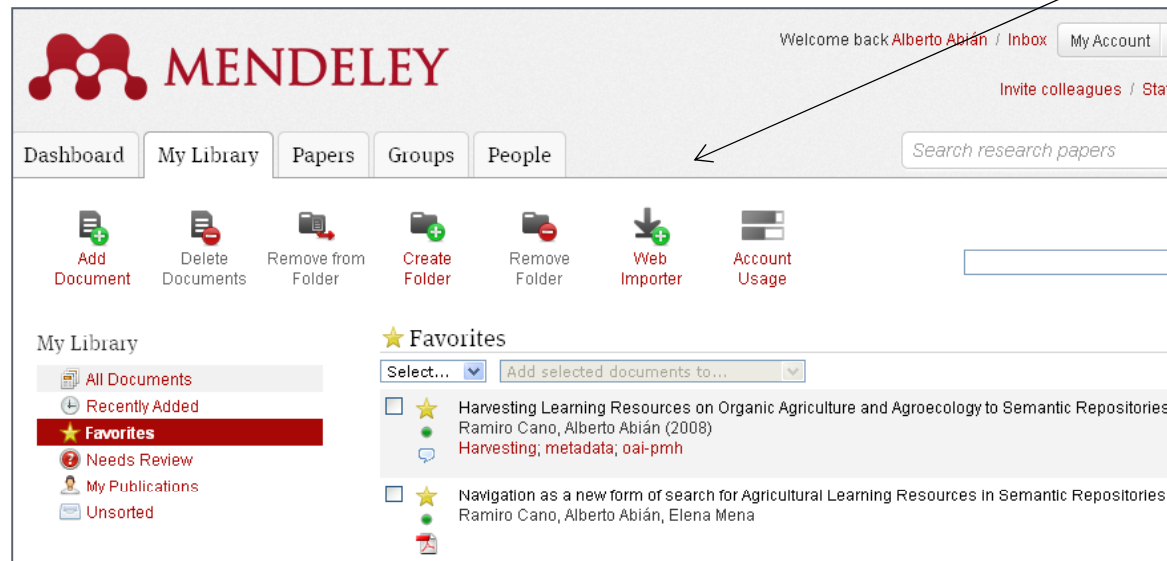
Search for:

Ordering field  Ordering

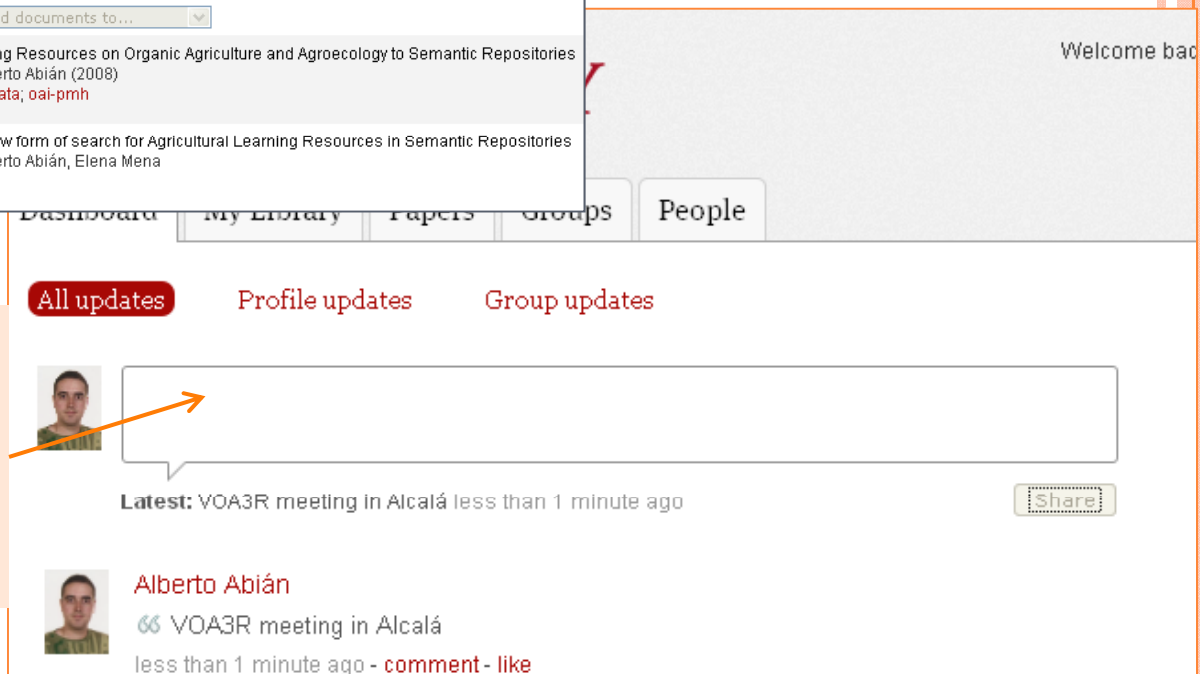


# INTEGRAÇÃO DAS FERRAMENTAS SOCIAIS

Possibilidade de se registrar com recuperação dos dados do Mendeley



Descrição da área de trabalho. O Voaz3r classifica essa informação



# PÁGINA DE UMA CIENTISTA



Home | Your researches | Organizations | Projects | Profile | Friends | User communities | Videos | Events | [Notification] [User] [Home] [Power]

Block user | Report user | Share this

## Ilse A. Rasmussen

Hi everyone! Check out your tab "Friends" then "Pending requests" if you want to see invitations.

Researches | Videos | Send message



SHARE Message

Say what is on your mind...

Share



1 0

<b>3</b> Groups	<b>11</b> Friends	<b>12</b> Activities	<b>1</b> Organizations	<b>1</b> Projects	<b>9</b> Publications
--------------------	----------------------	-------------------------	---------------------------	----------------------	--------------------------

About Me

Basic Information | Contact Information | Education

Cerif Profile

Gender: Female

### Profile Rating

Already voted, Average Rating: null votes

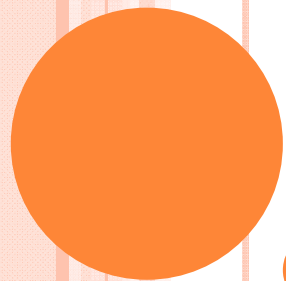
### User Stats

Karma (19 points)

Member since Thursday, 26 May 2011 10:47

Last online 2 weeks ago





## VOA<sub>3</sub>R e o modelo CERIF

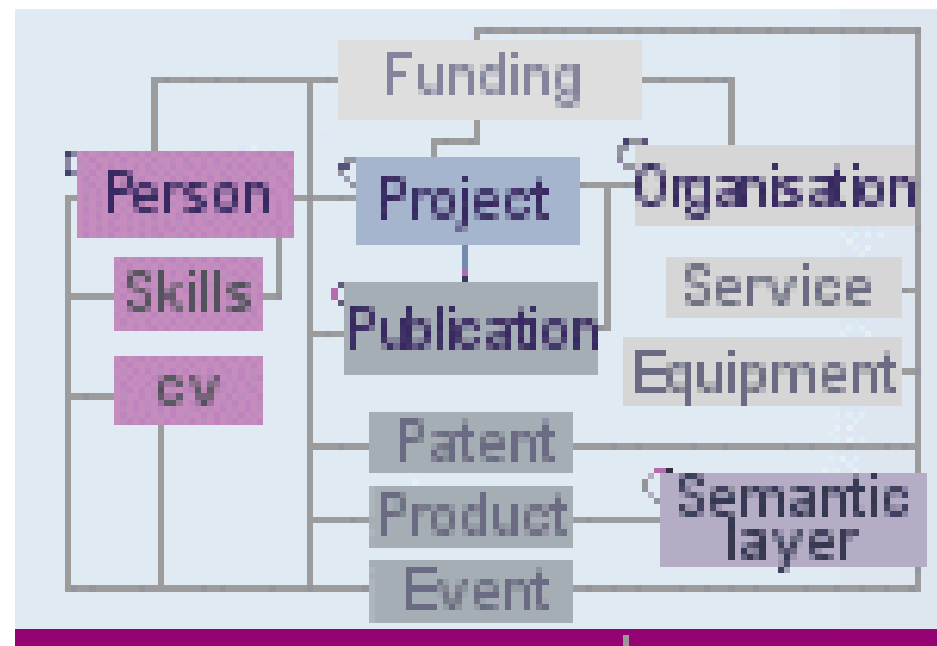


# VOA<sub>3</sub>R E A PUBLICAÇÃO DO LINKED DATA COM CERIF



<http://www.eurocris.org>

- <http://voa3r.cc.uah.es:8080/dataset/>
- CERIF é um modelo para descrever a organização das instituições de pesquisas (universidades, institutos...)
- Recomendado pela União Européia
- Permite o link entre a parte de armazenamento dos dados e a rede social





# INDEXAÇÃO AGROVOC

[HTTP://AIMS.FAO.ORG/STANDARDS/AGROVOC/ABOUT](http://aims.fao.org/standards/agrovoc/about)



- Agrovoc : thesaurus da FAO (Food and Agriculture Organisation – United Nations)
- – 40 000 palavras – 20 idiomas
- Relações usadas no thesaurus dentro de um esquema conceitual
- Linked data (LOD)
  - Método para compartilhar, expor e conectar dados. Cada dado tem um weblink Identificador Uniforme de Recursos – (Uniform Resource Identifier - URI)



# VOA3R PODE FAZER A PUBLICAÇÃO DOS DADOS EM LINKED DATA



**VOA3R publishing Linked Data base**  
Running at <http://voa3r.cc.uah.es:8080/da>

**Home** | [OrganisationUnits](#) [Pers\\_OrgUnit](#) [Persons](#) [Proj\\_Pers](#) [Projects](#) [Publications](#) [cfPAddr](#)

**CERIF Linked Data**

Data published from here are according to the CERIF Ontology and Vocabularies available in <http://spi-fm.uca.es/neo>

The database can also be explored using a AJAX-based SPARQL Explorer available in <http://voa3r.cc.uah.es:8080/d>

This data set is described by [this VOID file](#)

SPARQL clients can query the database at this SPARQL endpoint at <http://voa3r.cc.uah.es:8080/dataset/sparql>

Semantic Web browser can use the entry point at <http://voa3r.cc.uah.es:8080/dataset/all>

HTML View: You can use the navigation links at the top of this page to explore the database.

**Home** | [OrganisationUnits](#) [Pers\\_OrgUnit](#) [Persons](#) [Proj\\_Pers](#) [Projects](#)

- [Abel Toledano Andrés](#)  
[http://voa3r.cc.uah.es:8080/dataset/resource/persons/Abel\\_Toledano\\_Andr%C3%A9s](http://voa3r.cc.uah.es:8080/dataset/resource/persons/Abel_Toledano_Andr%C3%A9s)
- [Alberto Abián](#)  
[http://voa3r.cc.uah.es:8080/dataset/resource/persons/Alberto\\_Abi%C3%A1n](http://voa3r.cc.uah.es:8080/dataset/resource/persons/Alberto_Abi%C3%A1n)
- [Alejandro Engelmann](#)  
[http://voa3r.cc.uah.es:8080/dataset/resource/persons/Alejandro\\_Engelmann](http://voa3r.cc.uah.es:8080/dataset/resource/persons/Alejandro_Engelmann)
- [Alessio Favorite](#)  
[http://voa3r.cc.uah.es:8080/dataset/resource/persons/Alessio\\_Favorite](http://voa3r.cc.uah.es:8080/dataset/resource/persons/Alessio_Favorite)
- [Andres Yubero](#)  
[http://voa3r.cc.uah.es:8080/dataset/resource/persons/Andres\\_Yubero](http://voa3r.cc.uah.es:8080/dataset/resource/persons/Andres_Yubero)
- [Bope Bope Lapwon](#)  
[http://voa3r.cc.uah.es:8080/dataset/resource/persons/Bope\\_Bope\\_Lapwon](http://voa3r.cc.uah.es:8080/dataset/resource/persons/Bope_Bope_Lapwon)
- [Dang Thi Hai Yen](#)  
[http://voa3r.cc.uah.es:8080/dataset/resource/persons/Dang\\_Thi\\_Hai\\_Yen](http://voa3r.cc.uah.es:8080/dataset/resource/persons/Dang_Thi_Hai_Yen)
- [Dave Butler](#)  
[http://voa3r.cc.uah.es:8080/dataset/resource/persons/Dave\\_Butler](http://voa3r.cc.uah.es:8080/dataset/resource/persons/Dave_Butler)

**Home** | [All Persons](#)

Property	Value
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<a href="#">foaf:homepage</a>	<>
<a href="#">cerif:internalIdentifier</a>	#8081813078a4dc01308979fe2c0002
<a href="#">rdfs:label</a>	Diane Le Hénaff
<a href="#">cerif:linksToProject</a>	< <a href="http://voa3r.cc.uah.es:8080/dataset/resource/proj_pers/Organic.Lingua_Diane_Le_H%C3%A9naff_uuid">http://voa3r.cc.uah.es:8080/dataset/resource/proj_pers/Organic.Lingua_Diane_Le_H%C3%A9naff_uuid</a> >
<a href="#">cerif:linksToProject</a>	< <a href="http://voa3r.cc.uah.es:8080/dataset/resource/proj_pers/VOA3R_Diane_Le_H%C3%A9naff_uuid">http://voa3r.cc.uah.es:8080/dataset/resource/proj_pers/VOA3R_Diane_Le_H%C3%A9naff_uuid</a> >
<a href="#">foaf:name</a>	Diane Le Hénaff
<a href="#">cerif:researchInterests</a>	
<a href="#">dc:subject</a>	
<a href="#">rdf:type</a>	<a href="#">cerif:Person</a>

## CONCLUSÃO

- Valorização dos documentos pelo acesso livre
- Com rede social para
  - Participar em Grupos de Pesquisa e Projetos
  - Apresentar as competências dos participantes
  - Avaliar os documentos
  - Funções semânticas para fazer links entre diferentes partes da aplicação
- Desafios :
  - participação do público alvo
  - Uso de rede específica vs geral (ie., Facebook)

Cada um dos repositórios com as temáticas do VOA3R poderá participar

OBRIGADO

QUESTÕES ?