

40th IAMS LIC Conference, *Forty Years of Sailing : Connecting Islands in a Digital World*, Noumea, New Caledonia, Sept. 14-18 2014

**Towards a shared platform of scientific publications
in New Caledonia:
the example of “Univers NC”
an OAI-PMH compliant common open archive**

Isabelle Gasser (IRD Nouméa) & David Aymonin (UNC)

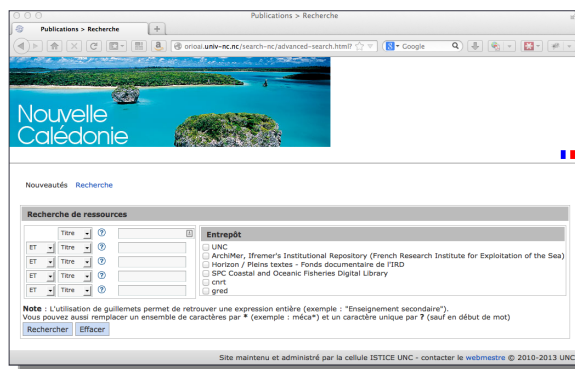


All the scientific publications
about, from, by
New Caledonia



Univers NC

<http://orioai.univ-nc.nc/search-nc/>



Prototype portal to open archive collections, created in March 2013

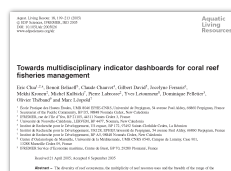
➔ Harvests interoperable databases and shares metadata
produced by scientific partners, using appropriate technologies
(OAI-PMH)

Univers *NC* : aims

- Make New Caledonia research more visible and easy to find through the web, from a unique entry point
- Build up a platform following international standards and well indexed in search engines
- Contribute to successful exploitation of research results carried out by New Caledonia scientists
- Preserve the records and memory of scientific work done in NC, on NC and from researchers and institutions based in NC
- Include New Caledonia in the digital archives and scientific publications global movement on the web

Univers *NC* : current contents

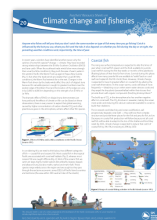
- Bibliographic references of all kind of scientific publications (articles, books, conference proceedings, preprints, PhD theses, students works, etc.) and podcasts
- If available, full-text documents (controlled or free access)



IFREMER Archimer
Ifremer



IRD Horizon / Pleins Textes
IRD
Institut de recherche
pour le développement



SPC FAME Digital Library



UNC
UNIVERSITÉ
NOUVELE CALÉDONIE
UNC podcasts

Univers **NC** : metadata providers

1. Institutions settled in New Caledonia, already involved

- IRD (formerly Orstom)
- Ifremer
- Secretariat of the Pacific Community
- University of New Caledonia
- Local authorities and Nickel Mining industries
 - Vale INCO, South Province of NC → through ŒIL
 - Government of NC, services DIMENC → through CNRT



2. Institutions settled in New Caledonia, yet to come

- Institut Agronomique néo-Calédonien (IAC)
- Institut Pasteur de NC
- Centre hospitalier territorial de NC
- Tjibaou Cultural centre, the North and Loyalty Islands Provinces, ...

Univers **NC** : future metadata providers

3. International repositories and sources

- Union catalogue of French universities (Sudoc, Theses.fr)
- French national Library (BNF Opale)
- French national OA platform (HAL)
- Specialized databases
- International catalogues



Technical details

A technical platform based on the open source software
ori-oai v 1.7: still to be changed...

Assessment of our platform

- In 2009, we chose ORI-OAI to manage the University IR
 - We were absolute beginners
- In 2012, we installed an upgrade, but still
 - Weak import and export
 - Poor management of structured metadata formats
 - No deduplication tool
 - Not easy to develop and maintain
- In 2013, we installed *Univers NC*
 - Search interface OK
 - OAI-PMH harvesting OK
- Today: ++ strong experience -- poor means
 - We can choose wisely a better tool, with precise specifications among many good tools : Dspace, Eprints, Islandora, HAL 3.0

Our vision for the near future

“Set up a national Open Archive for New Caledonia, harvesting and merging as automatically as possible data from several sources, taking advantage of the Web 3.0 technologies and linked data”



Next steps

- **More partners convinced to provide data**
 - Through the Caledonian consortium of research institutions → CRESICA
 - Offices of Provinces and Government of New Caledonia
- **More functionalities and data to be added**
 - Automatic enrichment of bibliographic records
 - DOI when missing
 - PDF files, whenever we get the DOI
 - audience level
 - Semi automatic deduplication of bibliographic records harvested
 - Data sets management
 - Linking with directories of researchers, using ISNI, ORCID and else
 - Using quality open metadata sources GoKB and KB+



Discussion

Is there anybody in the audience who can share his knowledge and / or experience on:

- record deduplication techniques and tools?
- GOKB services and metadata availability?



Thank you very much!