Index

• FECYT
  – Brief presentation
• CVN
  – Brief presentation
    • Previous common scenario
    • Birth
    • Present situation
  – Problems (2) and needs
• Recolecta
  – Brief presentation
  – Problem
• Needs
  – All together
  – Other uses
  – Work done so far
  – ORCID
  – And now?
FECYT – Brief Presentation (I)

• Spanish Foundation for Science and Technology

• Public Foundation created in 2001

• Key leader in disseminating, communicating and measuring science and innovation in order to contribute to the development of a knowledge-based economy

• FECYT initiatives:
  – A Culture of Science and Innovation for All
  – A Culture of Science and Innovation for Children and Young People
  – A Culture of Science and Innovation for the Media (SINC)
  – R&D&i Information for All (ICONO)
  – Resources and Services for Researchers*
FECYT – Brief Presentation (II)

Resources and Services for Researches

• WOK, Scopus...

• Let’s focus:
  – CVN (Normalized Curriculum Vitae)
    • Format to exchange research information among systems
    • Implemented in 36 spanish universities
  – Recolecta
    • Open science harvester
    • Platform supports and encourages open access in all spanish R+D institutions
CVN
Funding institutions store a huge amount of information
But... difficult to process
• Let’s use information technologies
• Applicants must enter their data through web forms
Researchers spend around **2 weeks** introducing their data every time they apply for funds, quality evaluations ...
CVN: Standardize CV to exchange research information among research information systems
CVN – Brief Presentation - Present situation

- PDF with embedded XML
- Manual exchange
NOT updated information

Typical scenario (National Plan): One application every three years

University → Ministry of Economy

2006
2009
2012
...

The researcher has to send his data manually
Solution: Research Network

Instead of manually sending the information: the institution ask for that data

University

Ministry of Economy

(updated information)
CVN – Problems (I) – Not updated information – Need

University

Funding Institution

Local research ID: 157 (158) = Local research ID C-54 (158)

Local publication ID: 1317 (P85) = Local publication ID: P-17 (P85)

Local publication ID: 879 (P87) = Local publication ID: P-1389 (P195)

• All CV Items must have a unique ID
Data duplication when aggregating data

- Duplication problem when all the CVN are put together
  - Two researchers have the same publication in their CV
  - Two researches have the same project in their CV
  - ...
Solution: All CV Items must have a unique ID

- Duplication problem when all the CVN are put together
  - Two researchers have the same publication in their CV
  - Two researches have the same project in their CV
  - ...
Recolecta
Recolecta – Brief Presentation

FECYT service whose objectives are:

- Creation and development of a NETWORK of Digital Open Repositories
- Preservation of the results of spanish scientific research
- Development of services over the data of these repositories
- Recolecta will facilitate the implementation of the spanish open access mandate (37th article of the new Science Law)
Ambiguity in author’s signatures

- One author can use different signatures
- Two different authors can use the same signature

- Difficult to find the publications of one author:
  - I need to know all his signatures
  - I need to know which publications belongs to another author with the same signature
**Solution: Use of ID to identify an author instead of the signature**

- Difficult to find the publications of one author:
  - I need to know all his signatures
  - I need to know which publications belongs to another author with the same signature

There are not two authors with the same ID
Needs
Needs - All together

- CVN
  - Problem: NOT updated information
    - Solution: Research Network -> All CV Items must have a unique ID
  - Problem: Data duplication when aggregating data
    - Solution: All CV Items must have a unique ID

- Recolecta
  - Problem: Ambiguity in author’s signatures
    - Solution: Use of ID to identify an author instead of the signature
Needs - Other uses

• Control
  – Measurement
  – Match funds with publications
  – Assess projects, research policy as a whole (very important, at least national level)

• Trust
  – One institution can certificate that one person is the author of one publication
  – Ministry of Education certificate that one person has one doctorate

• ...


Needs - What has FECYT done so far?

• CVN persistent Identifier – 2008
  – Dealed with the implementation of persistent identifiers for every single CV item
  – Stopped because of the state of CVN implementation. Only implemented in 1 university in 2008

• Others Identifiers:
  – Entities
  – Titles
  – Other tables in CVN

• Task Group IPA - 2010
  – Different approach
  – Focus on authors, institutions, object (publicaction) and repositories
  – Stopped because other international projects such as ORCID took care of this issue
“ORCID aims to solve the name ambiguity problem in scholarly communications by creating a registry of persistent unique identifiers for individual researchers and an open and transparent linking mechanism between ORCID, other ID schemes, and research objects such as publications, grants, and patents.”
Needs – And now?

• Solve these problems taking advantage of other European initiatives

• There is a national initiative to coordinate the creation of a unique information system of science, research and innovation according with the science law

• Work with the international institutions to meet these FECYT’s specific issues
Thank you!

www.fecyt.es
david.arellano@fecyt.es