Technical Session on Author IDs
FECYT

6/09/2012

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FECYT – Brief Presentation (I)

- Spanish Fundation for Science and Technology

- Public Fundation 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*

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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
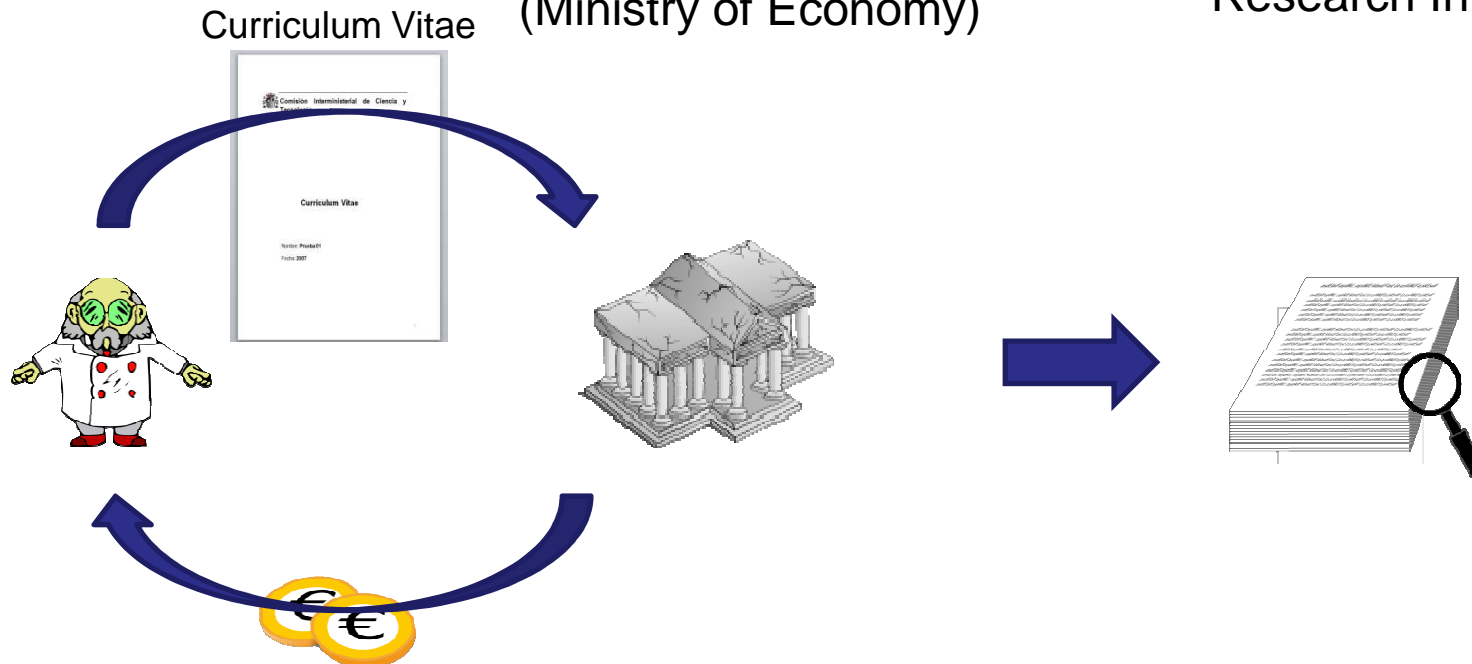
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CVN

Researchers

Curriculum Vitae

Funding institution
(Ministry of Economy)

Research Information

- Funding institutions store a huge amount of information
- But...   difficult to process

CVN – Brief Presentation - Previous Common Scenario (II)
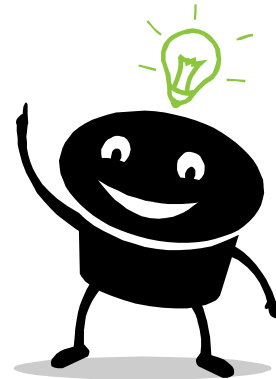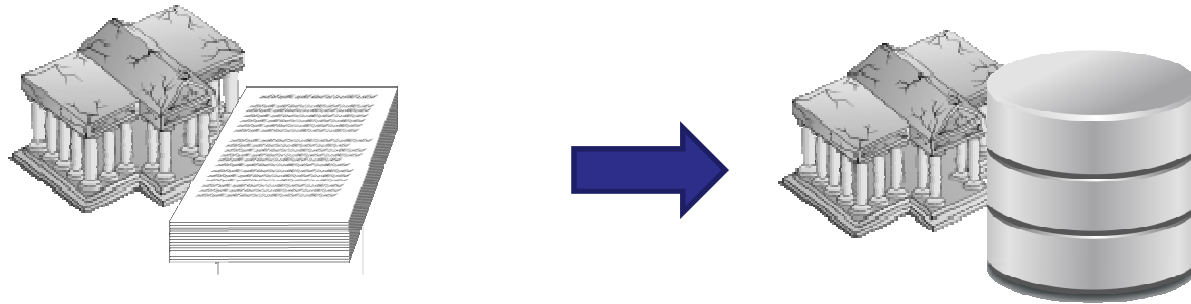
- Let's use information technologies
- Applicants must enter their data through web forms

Universities

Quality Agencies

Funding Institutions

- Researchers spend around **2 weeks** introducing their data every time they apply for funds, quality evaluations …

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CVN – Brief Presentation - Birth
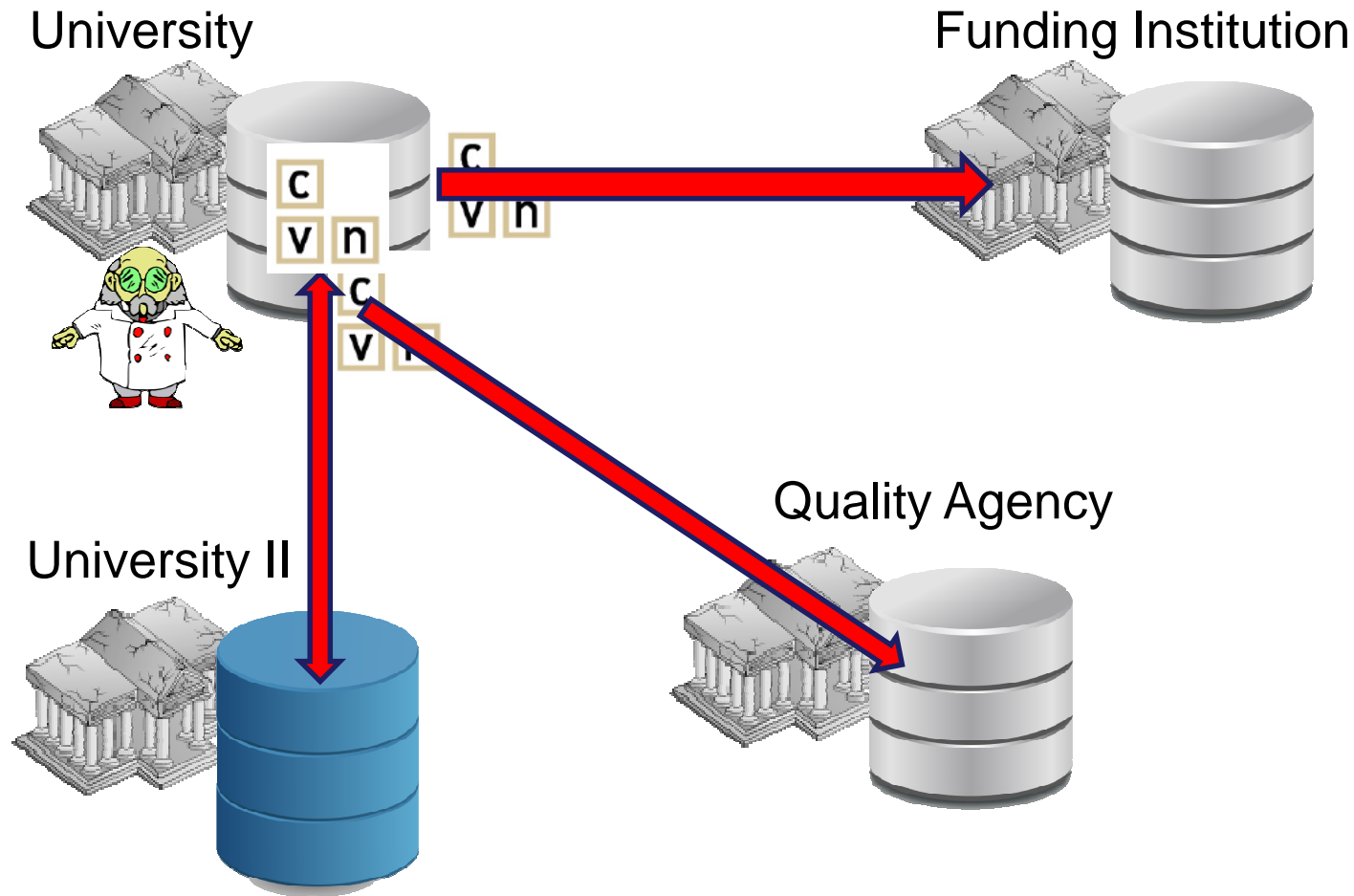
- CVN: Standardize CV to exchange research information among research information systems

CVN – Brief Presentation - Present situation

University

Funding Institution

PDF

XML
</>

Importación de Currículum Vítae
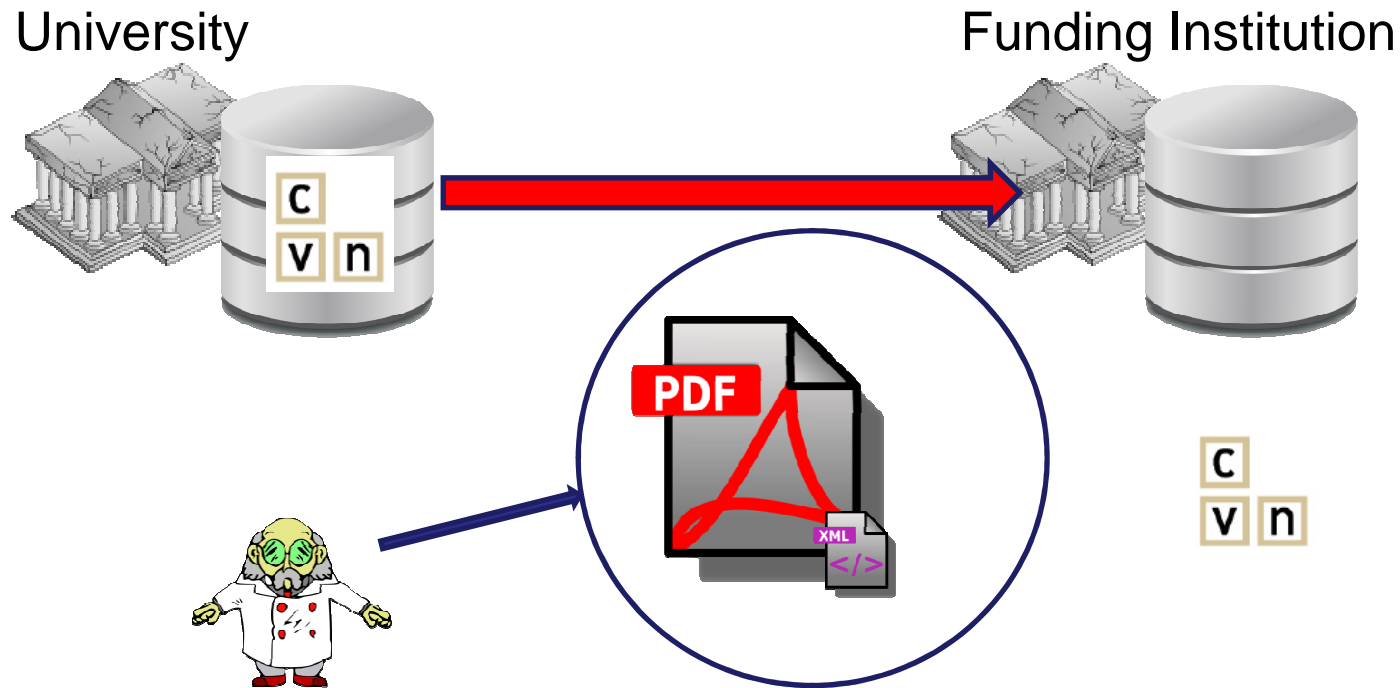
Con la ayuda del asistente de importación de Currículum Vítae Normalizado Vd podrá impo

Seleccione el fichero a importar

Examinar...

Seleccione el formato de fichero

CVN-PDF

Aceptar   Cancelar

- PDF with embebed 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 informartion:
the institution ask for that data

University   Ministry of Economy

(updated information)
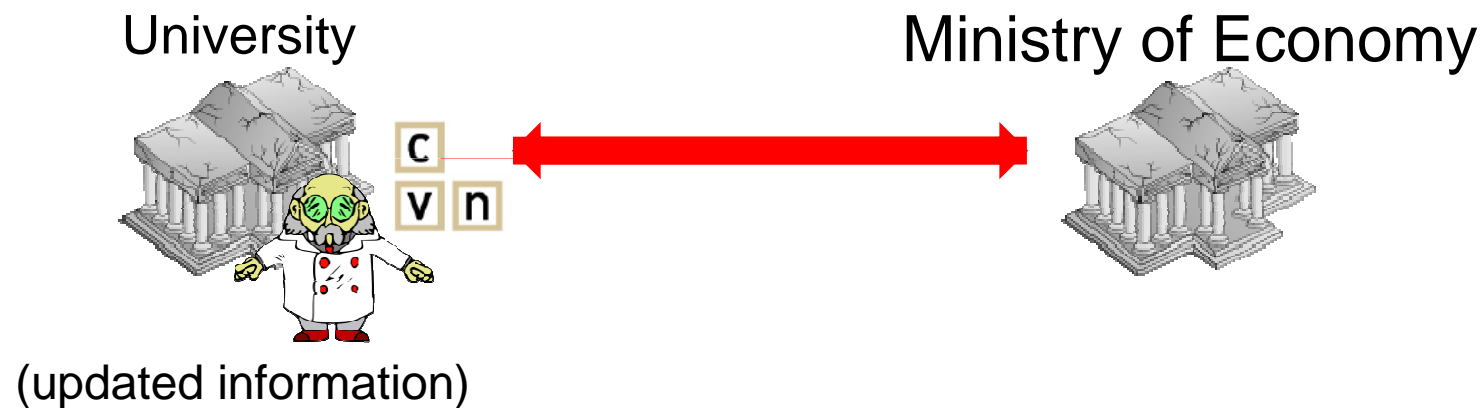
CVN – Problems (I) – Not updated information – Need
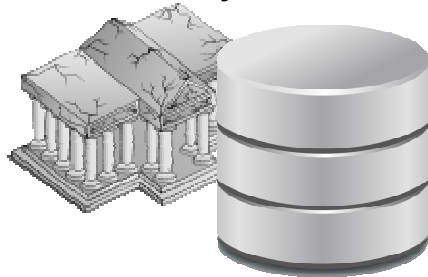
University   Funding Institution
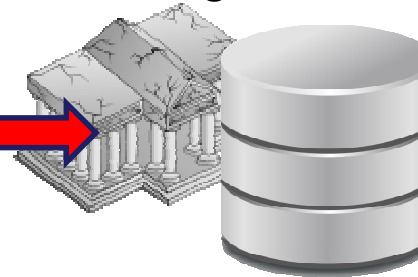
Local research ID: 157 (158)   =   Local research ID C-54 (158)

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

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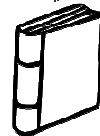
Local publication ID: P-1389 (P195)

- 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
  - ...
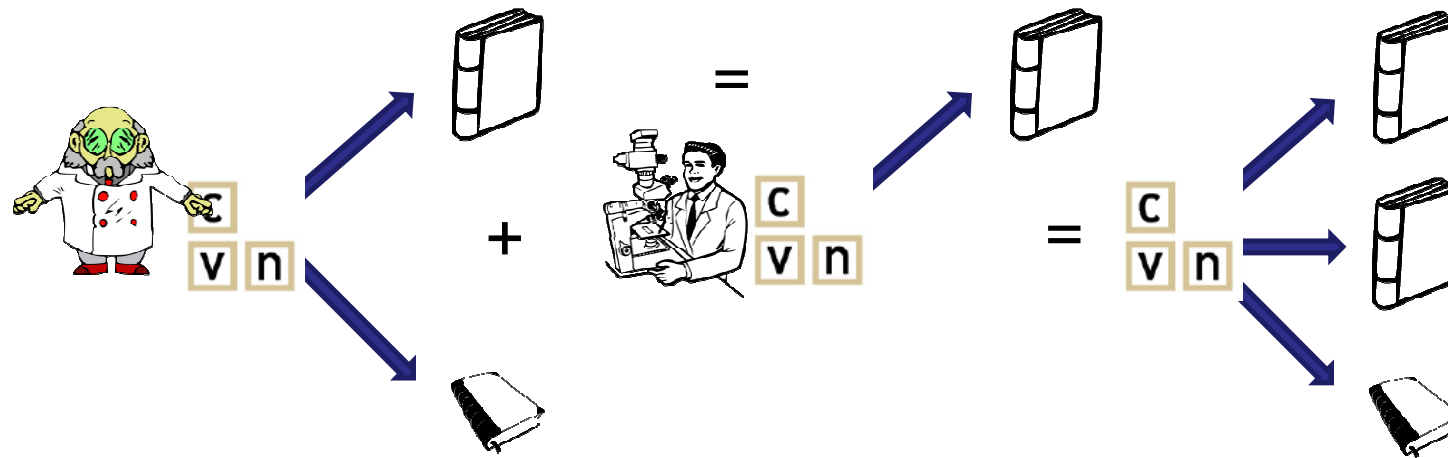
Solution: All CV Items must have a unique ID

- Duplication problem when all the CVN are put together
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  - ...
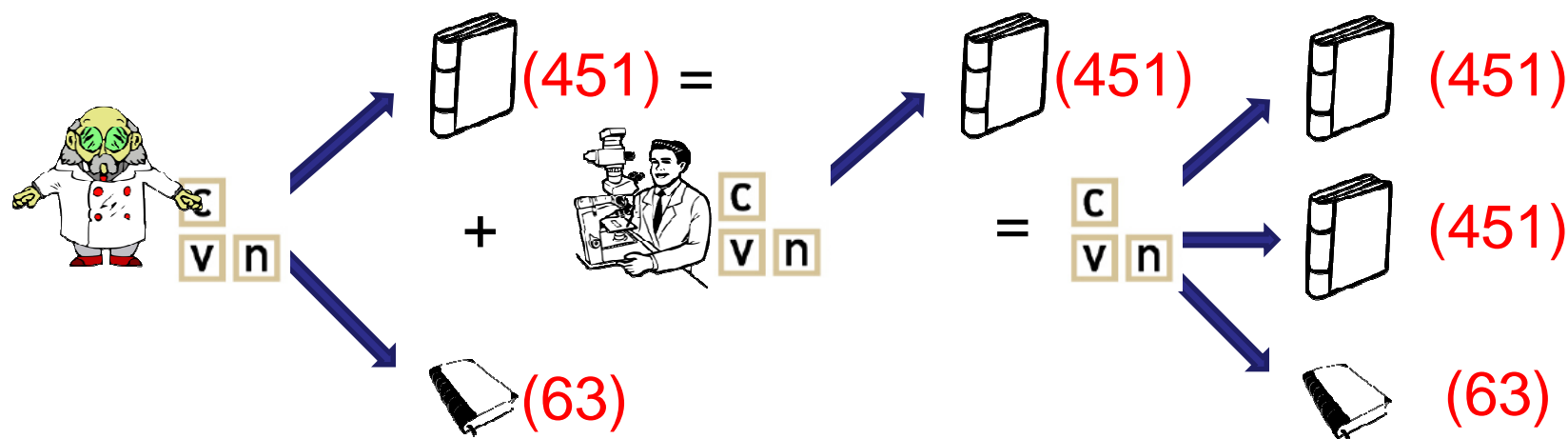
Recolecta

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)

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Ambiguity in author's signatures

- One author can use different signatures
- Two different authors can use the same signature
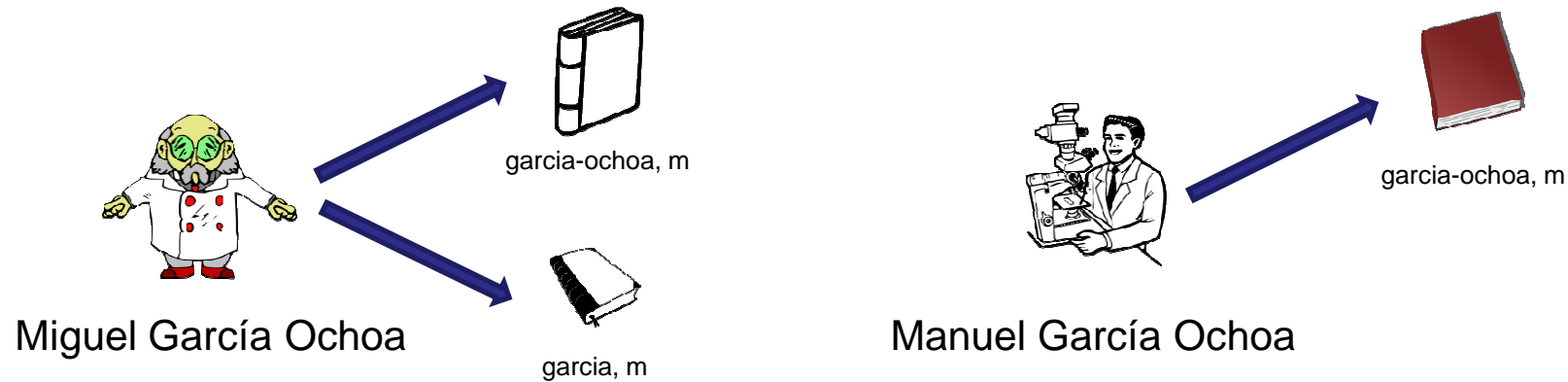
garcia-ochoa, m

garcia-ochoa, m

garcia, m

Miguel García Ochoa

Manuel García Ochoa

- 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
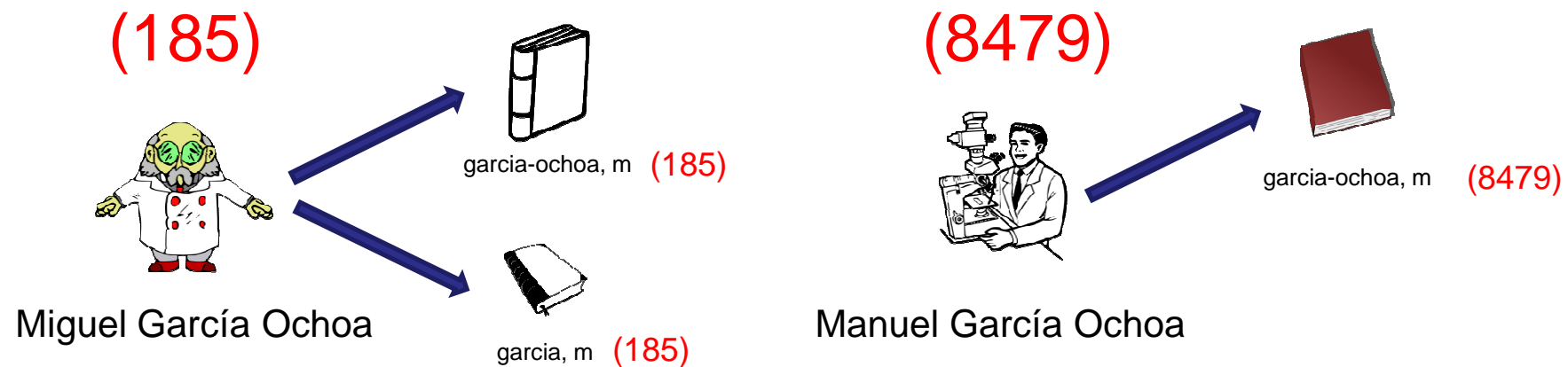
(185)

garcia-ochoa, m **(185)**

Miguel García Ochoa

garcia, m **(185)**

(8479)

garcia-ochoa, m **(8479)**

Manuel García Ochoa

- Difficult to find the publications of one author:
  - I need to know all his signatures ➡ I need to know the author ID
  - I need to know which publications belongs to another author with the same signature ➡ There are not two authors with the same ID

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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 adavantage of other european initiatives

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

- Work with the international institutions to meet these FECYT's specific issues

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Thank you!

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