

# Automatic extraction of citation data in a distributed digital library

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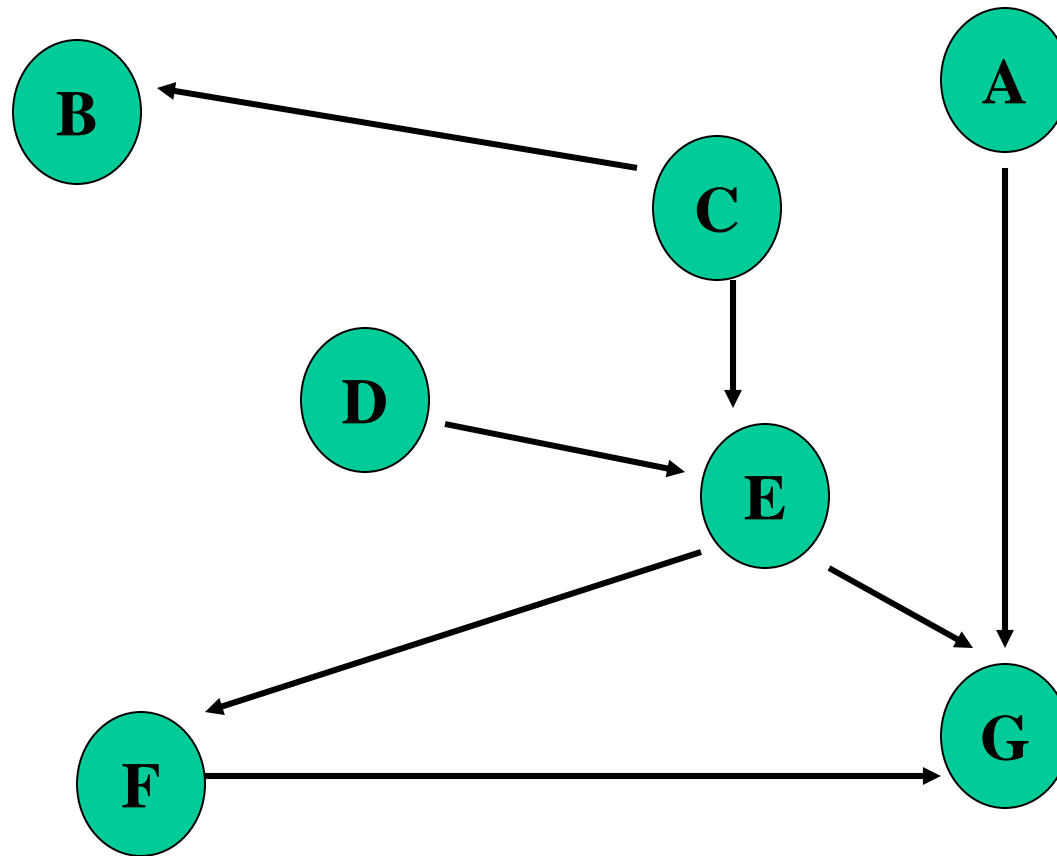
***Automatic extraction of citation data in a distributed digital library  
CitEc***

## CitEc:

A system to reference linking documents available on the RePEc digital library

Developed at the Universidad de Valencia

***Automatic extraction of citation data in a distributed digital library***  
**Reference linking**



The scientific literature

## *Automatic extraction of citation data in a distributed digital library*

### Related work

- CrossRef (PILA)
- CiteSeer (NEC Research Department)
- OpCit: Open Citation Project (JISC + NSF)
- CERN
- CitEc (UPV)
  - (heterogeneous documents + distributed environment)

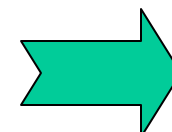
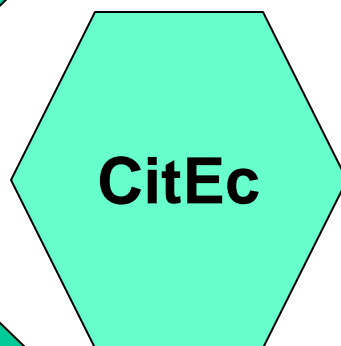
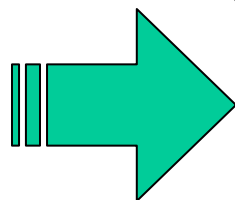
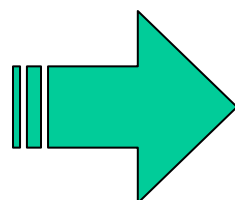
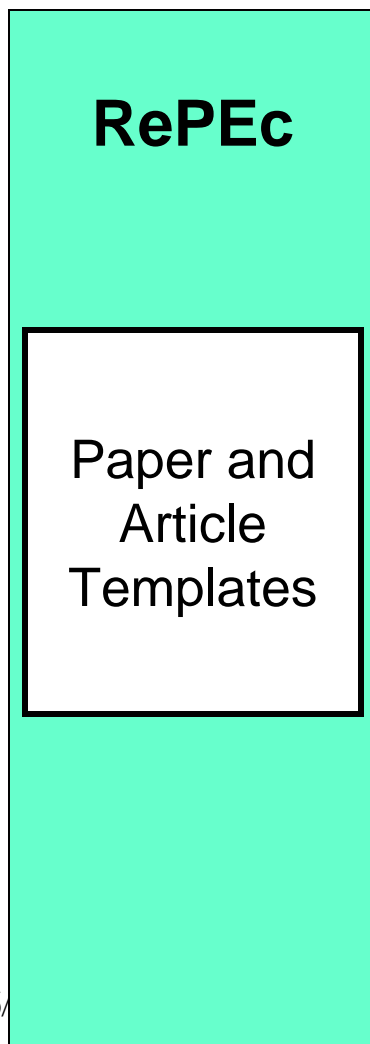
## ***Automatic extraction of citation data in a distributed digital library*** **The RePEc data set**

RePEc (Research Papers in Economics):

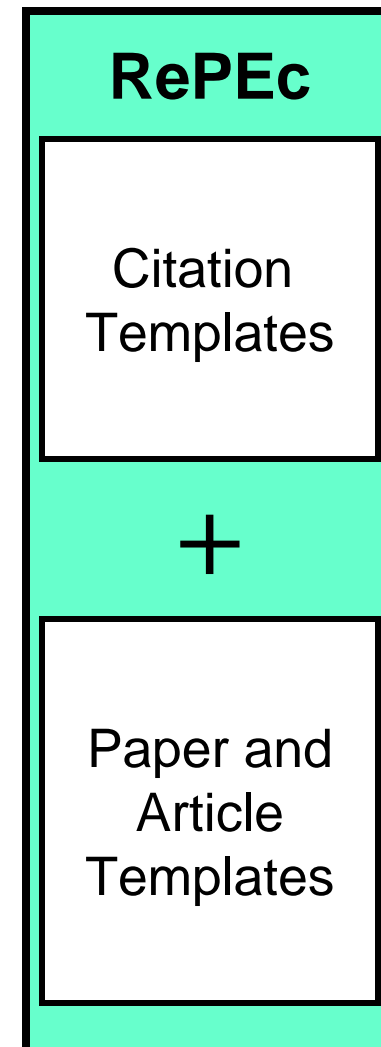
- non-commercial
- distributed (+200 institutions)
- archives *vs* services
- largest academic digital library:
  - 149,127 documents
  - 61,406 of them are downloadable
  - 984,582 Abstract views
  - 112,420 Downloaded documents

# Automatic extraction of citation data in a distributed digital library CitEc as data provider

**INPUT**

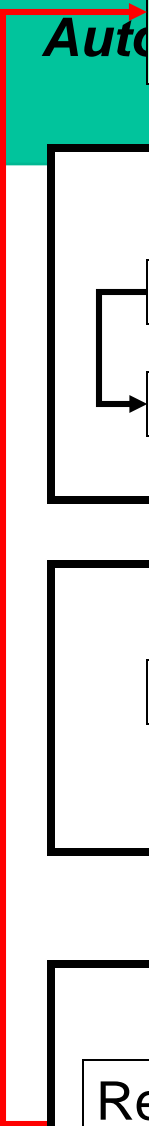
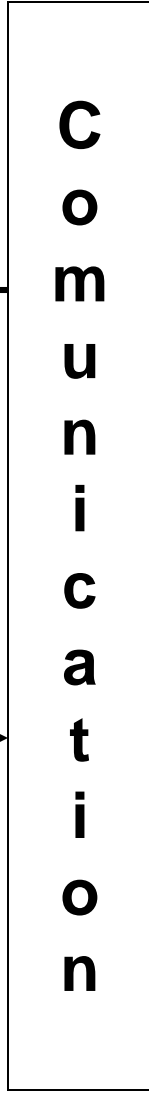
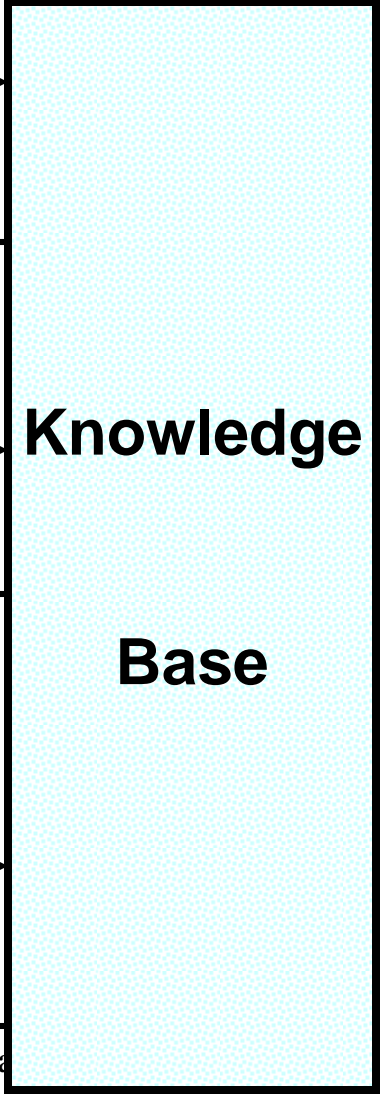
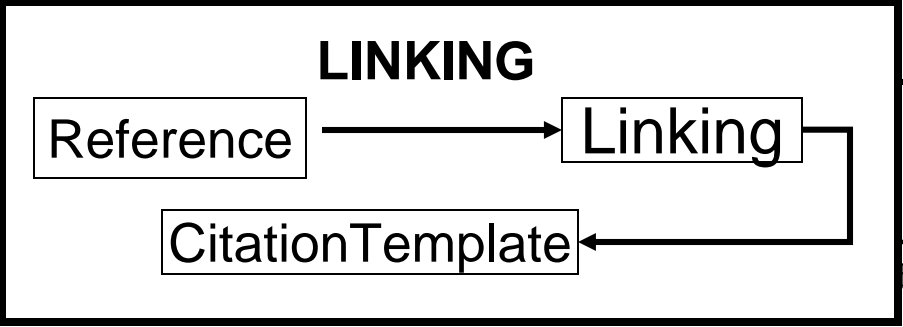
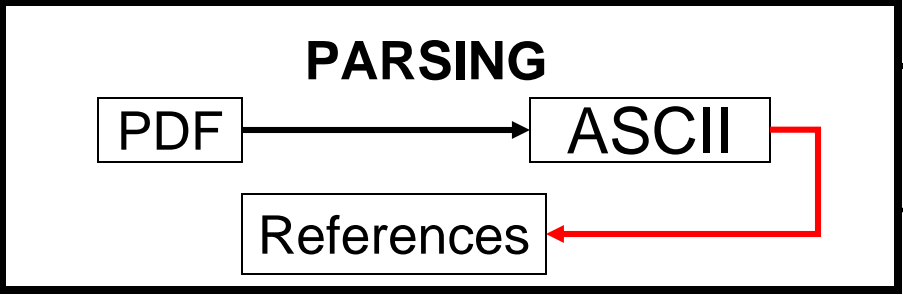
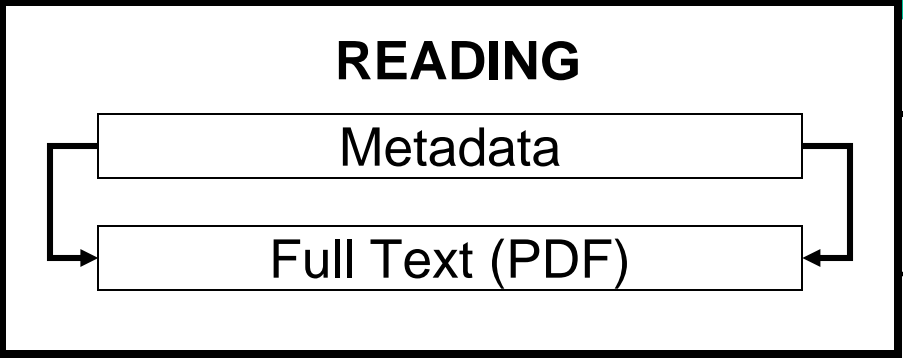


**OUTPUT**



# RePEc

The extraction process



Real (Spa

# Automatic extraction of citation data in a distributed digital library Implementation



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## Technology Innovations and the Volatility of Output: An International Perspective

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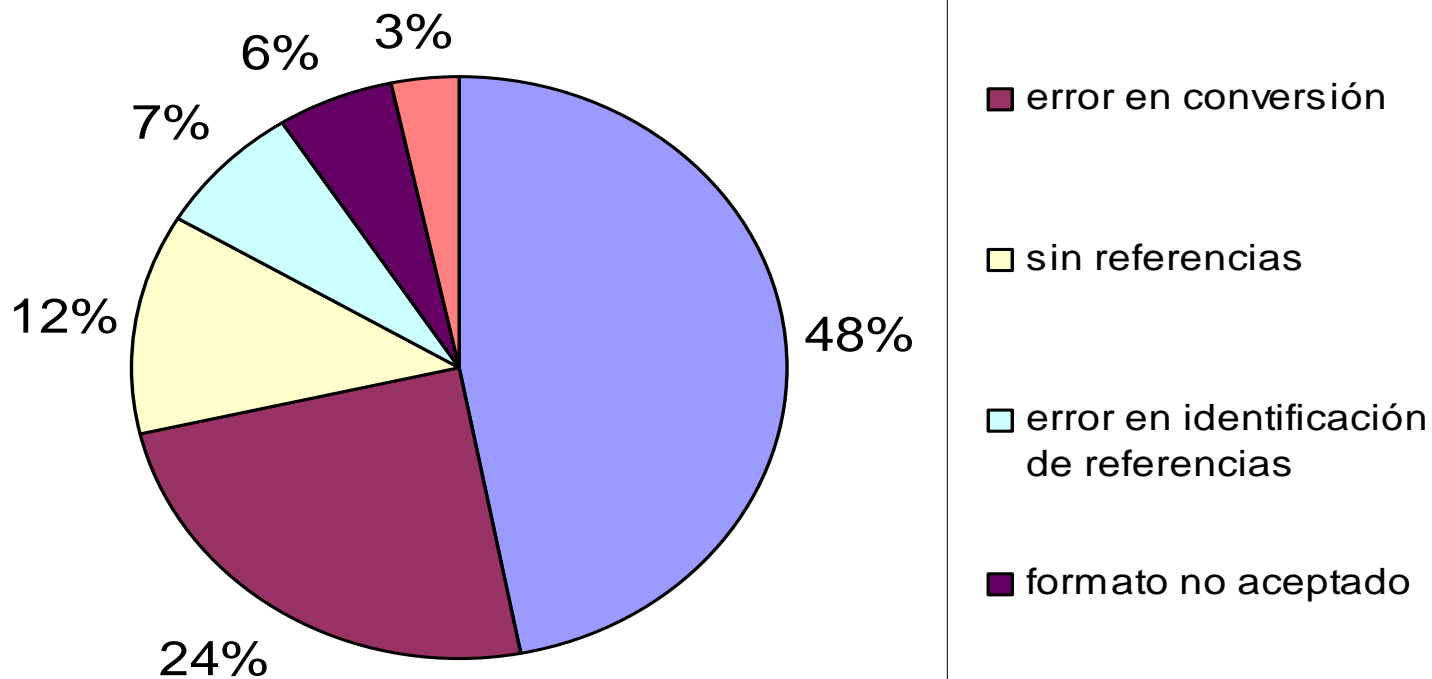
## **Implementation**

### **My References:**

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## Automatic extraction of citation data in a distributed digital library Results

### Procesed documents



## *Automatic extraction of citation data in a distributed digital library*

### Conclusions

- System to automate the process of reference linking in a distributed digital library
- The citation data has been fully integrated with the existing RePEc services
- We need better conversion tools
- We need to improve the parsing algorithm

***Automatic extraction of citation data in a distributed digital library***

The End

Questions, comments, even money  
are accepted