

# Impactia: automating the study of the scientific production

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## Introduction

The Andalusian Government has to distribute its **funding** among its hospitals and centres. One of the criteria used is the **scientific production**.



- 41 Hospitals
- 1500 primary health centres
- 28 centres non-medical



## Objectives

### 1. Unify criteria

Initially the study was done by each hospital with different criteria. Now it is done by the Virtual Library , using well defined criteria and indicators → the results are now comparable.

### 2. Automate: reduce time and cost



## Methods

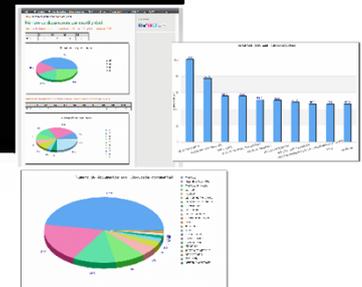
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Impactia

### 5. Reports

### 4. Gather gray literature



### 3. Remove duplicates: DOI + Pages start and end

### 2. Search in data bases, process excel files with the app.

### 1. Name Center Normalization

name
C.S.M. Macarena Centro
Centro de Salud Virgen Esperanza Macarena
Complejo Hospitalario Virgen Macarena
H Virgen Macarena
Hosp. Virgen Macarena
Hospital Clínico Universitario Virgen de la Macarena
Hospital U. Virgen Macarena
Hospital Universitario 'Virgen Macarena'
Hospital Universitario de Virgen Macarena
Hospital Universitario Virgen de la Macarena
HOSPITAL UNIVERSITARIO VIRGEN MACARENA
Hospital Universitario Virgen Macarena
Hospital Universitario Virgen Macarena
Hospital Universitario Virgen Macarena
Hospital Virgen de la Macarena
Hospital Virgen de Macarena
HOSPITAL VIRGEN MACARENA
UNIVERSITY HOSPITAL VIRGEN DE LA MACARENA
UNIVERSITY HOSPITAL VIRGEN MACARENA
V. Macarena University Hospital
VIRGEN DE LA MACARENA UNIVERSITY HOSPITAL
Virgen de la Macarena Hospital
VIRGEN DE LA MACARENA UNIVERSITY HOSPITAL
Virgen de Macarena Hospital
VIRGEN MACARENA HOSPITAL

Search strategy:  
**AD=Region and AD=Country**  
Examples:  
• AD=Malaga and AD=Spain  
• AD=Sevill\* and AD=Spain.



## Results

- It has shown its effectiveness in the **automatic classification, treatment and analysis of the data**.
- It has become an **essential tool** for all managers to evaluate quickly and easily the scientific production of their centers.
- **Optimizes human resources, saving time and money.**
- It is the reference point for the Department of R+D+I to do the **scientific health staff evaluation**

