Building and Automatizing Workflows to Update PURE’s Masterlist

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The introduction

About

Universidad del Rosario
So... Universidad del Rosario?

1653  
Our Foundation

7  
Schools

>800  
Faculty Members

13,000  
Students

48  
Research Groups

4  
Research Centers

EQAA Institutionally Accredited

QS STARS Rated for Excellence 2017
The Research and Innovation Office

Vicepresidence for Academic Affairs

- Academic Office
- Extension Office
- Students Office
- Research & Innovation Office

- Promotion & Consolidation
  - Scientific integrity
  - Publication support
  - Assessment and evaluation

- Grant & Project management
  - International
  - National
  - Internal

- Transference of Research Results
  - Research by contract
  - Research Transfer Office

- Scientific Communication
  - Public engagement
Our history with Pure
Ups and downs

+ Centralization of information
  Connection with other institutional systems (SIGEPUR)
  Research Visibility
  Reliable Metrics

- Adaptation to the system
  (Language barrier)
  Information volume
  Administrative tasks
The problem…and the solution

There must be a more efficient way
Feeding Pure through the master list function

HR’s Queryx + ORCID

Current and former teaching positions and their faculty affiliation

Source: HR File

Digital identities for research

Source: Library File

PURE MASTERLIST

Source: Webpages of Research Groups
Creating an open-source based personalized workflow

- Developed by a team based in University of Konstanz
- First released in 2006, now used by data scientists in over 60 countries
- Written in Java and available for Linux, OS X and Windows
- Released under GPLv3
How does it work?

**Nodes**
1. Data access
2. Transformation
3. Analyse and data mining
4. Visualization
5. Deployment

★ Large amounts of data + different sources + periodic, standardized tasks.
The solution

GrupLAC Flow (v.23)

Credits:
Carlos Manuel Estévez-Bretón and Natalia Márquez-Bustos
Master List Flow (v.7)

Credits:
Carlos Manuel Estévez-Bretón and Natalia Márquez-Bustos
Thank you.

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