

CominLabs

The logo for CominLabs features a series of concentric circles and arcs. The innermost circle is grey, followed by several grey arcs of varying radii. Two prominent orange arcs are positioned on the left and right sides, partially overlapping the grey arcs. The overall effect is a stylized representation of a signal or a network.

CominWeb

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CominWeb overview

- Hosts the public Web site of CominLabs
- [CominLabs projects](#) pages are their only activity report (see the “results” item for each project)
- Private collaborative platform for the projects: forum, wiki, data warehouse, etc
- CominWeb is built on top of [Liferay](#)
- **Advanced services**

Advanced services

2013 Roadmap

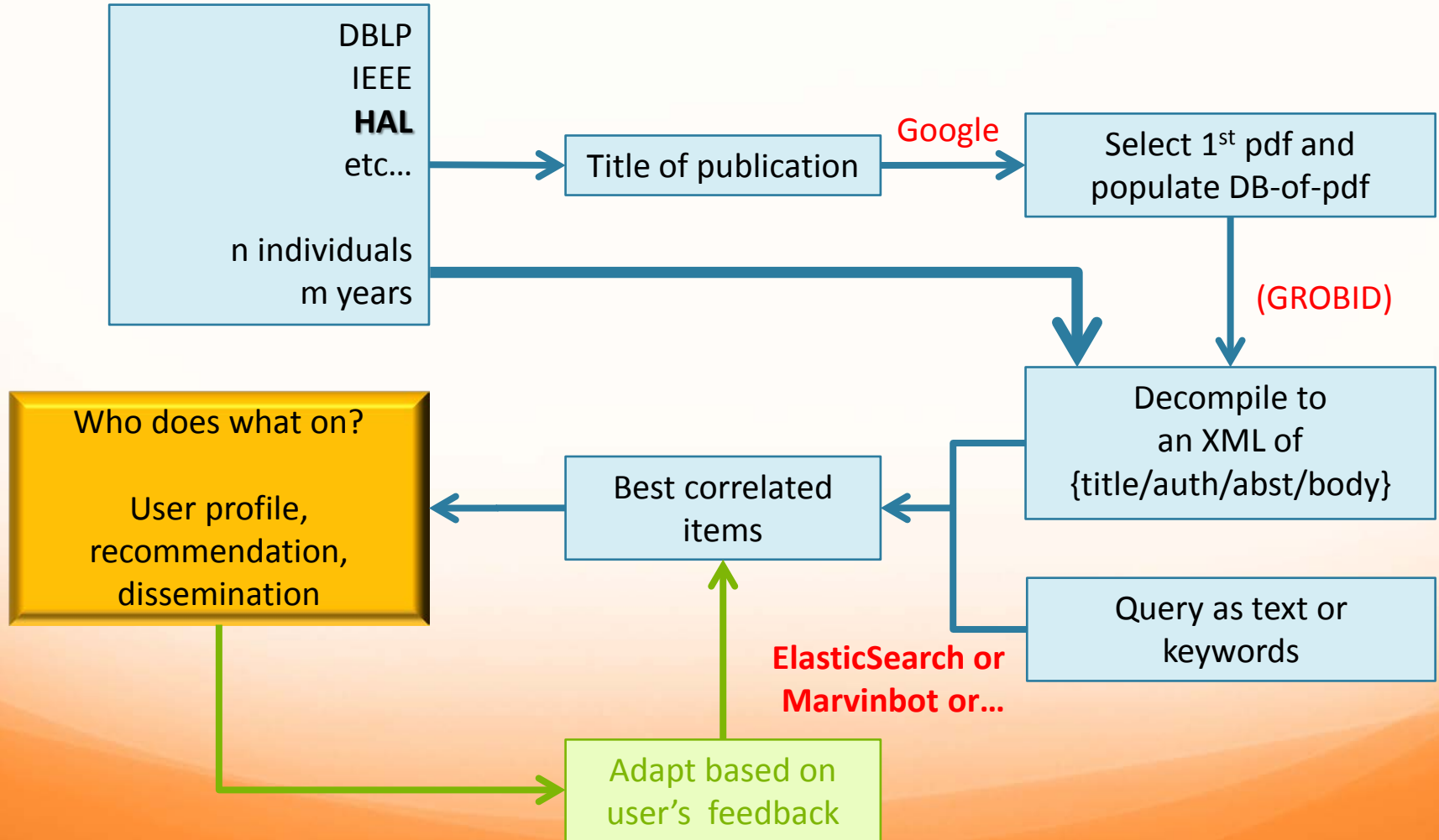
- **Support for producing (draft) activity report**
 - Automatic generation of biblio
 - Automatic generation of scientific results
- **Support for activity monitoring (~NSA)**
 - Zero-effort for researchers
 - Capture activity logs (meetings, work in progress...)
 - Maintain a DB of work in progress
- **Support for searching CominLabs**
 - Zero-effort for researchers
 - Searching competencies

Advanced services

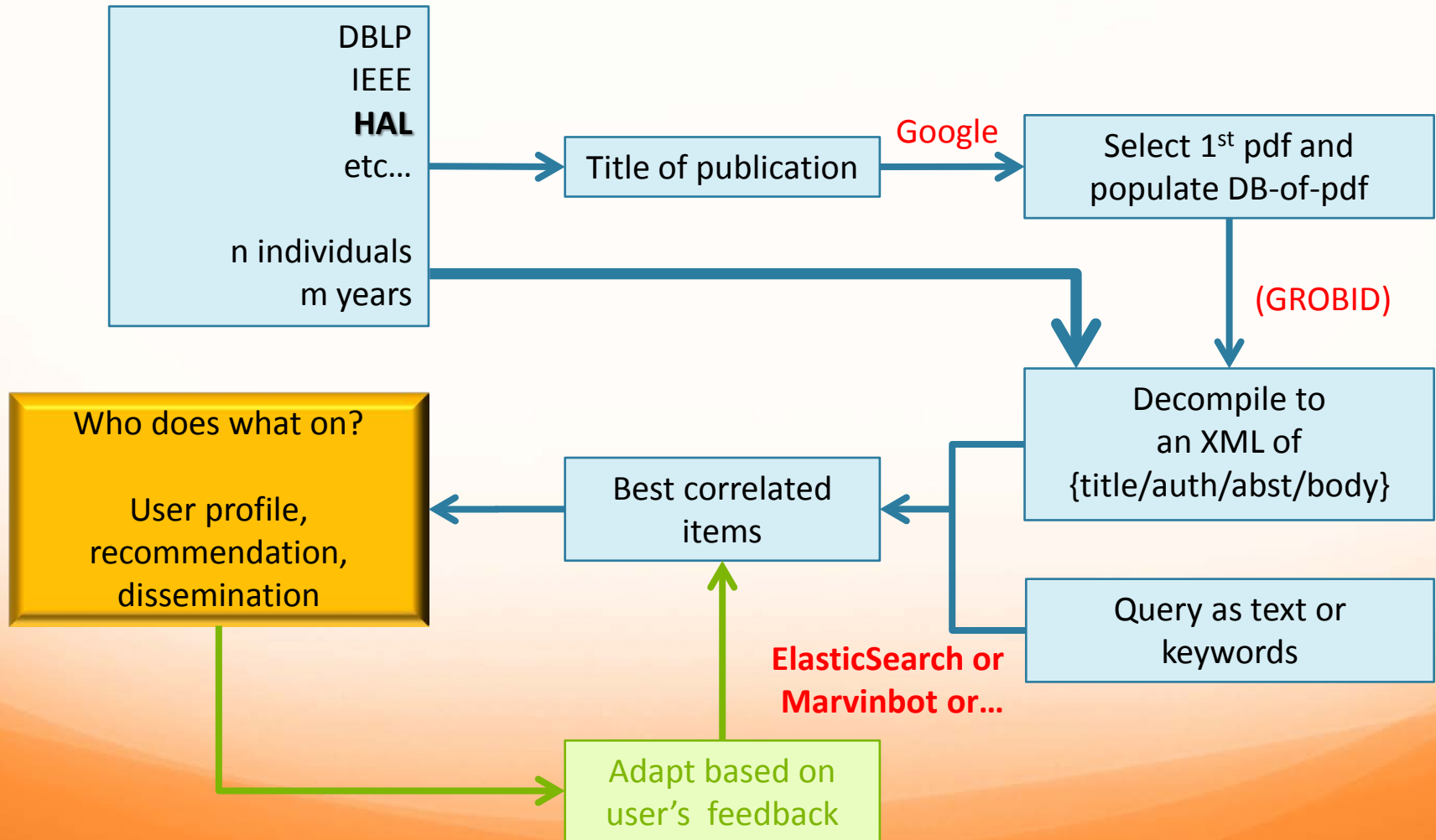
2015 Status

- **Support for producing (draft) activity report**
 - Automatic generation of biblio: deployed
 - Automatic generation of scientific results: TBD
- **Support for activity monitoring (~NSA)**
 - Not deployed yet
 - Release V0 almost ready
 - We need your input on this
- **Support for searching CominLabs**
 - LookinLabs V0 for competencies Deployed
 - Future releases

LookinLabs: searching for competencies in CominLabs



LookinLabs: difficulties



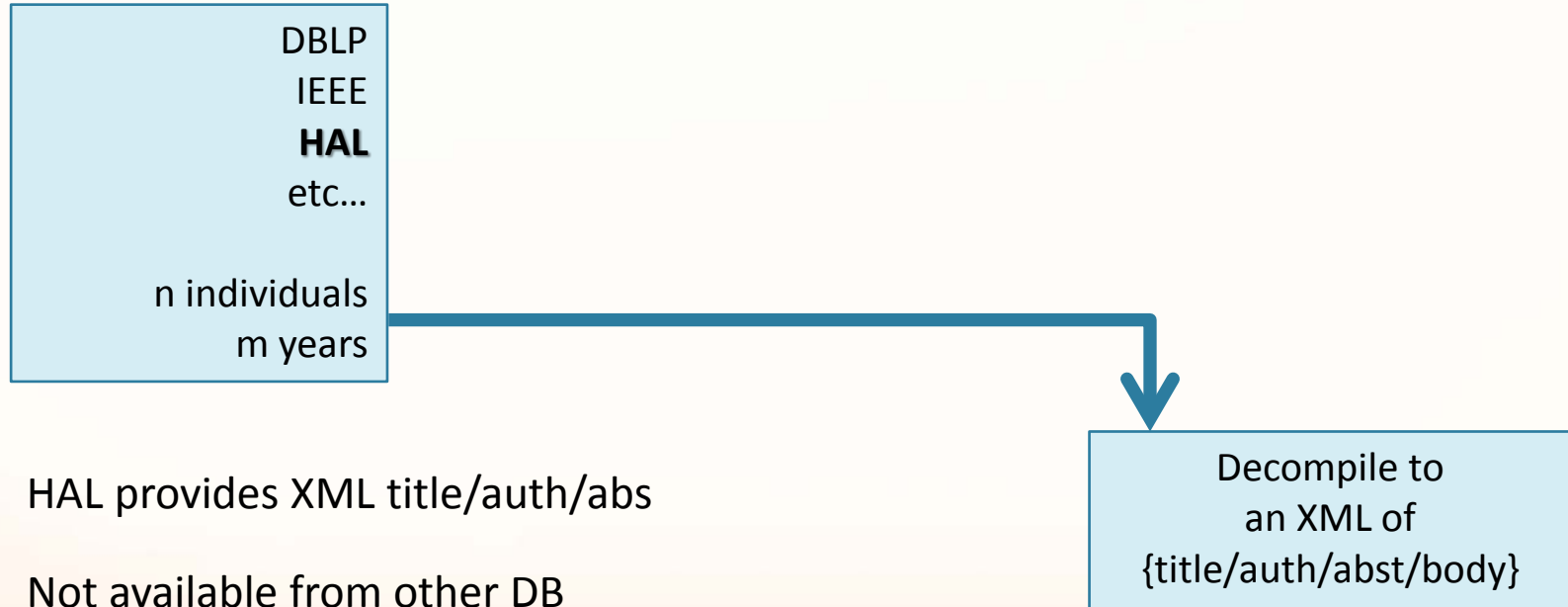
LookinLabs: difficulties

DBLP
IEEE
HAL
etc...

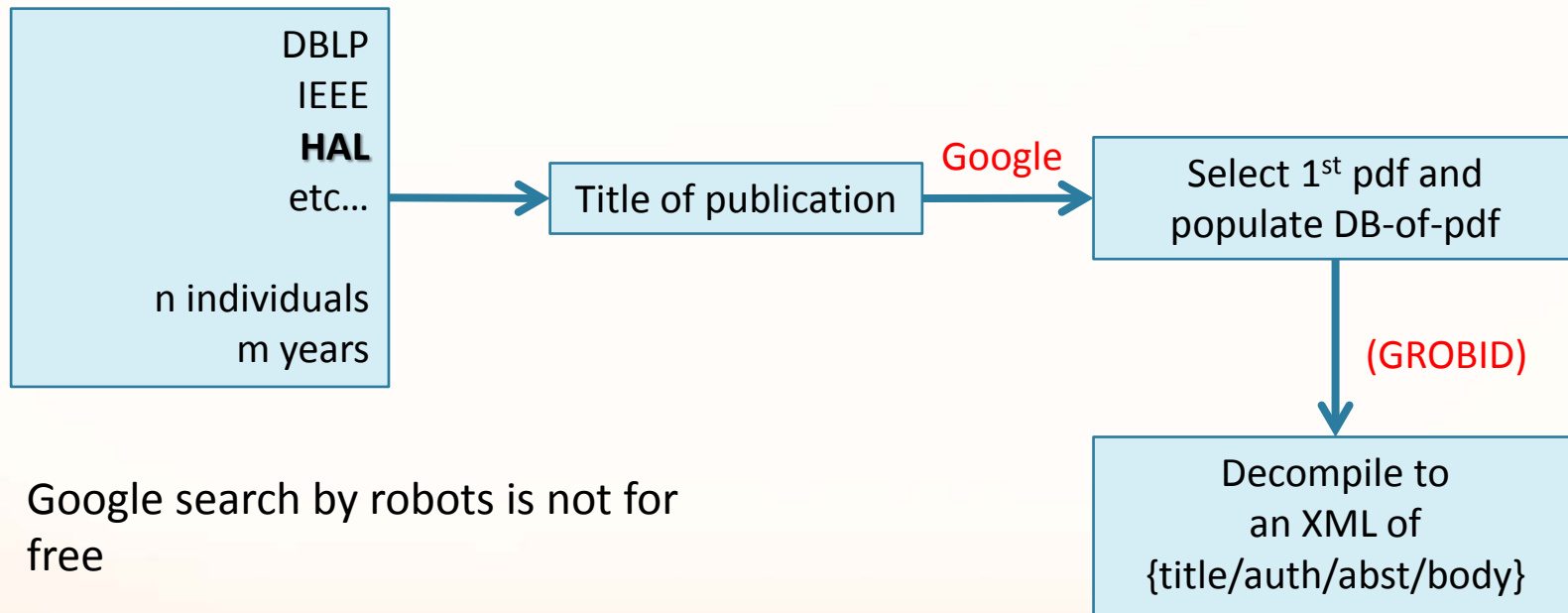
n individuals
m years

- **Getting the bibID for everyone was difficult!**
- We prepared a special email
- And a special web questionnaire where bibID were automatically proposed from user email, with checks and corrections by the user

LookinLabs: difficulties



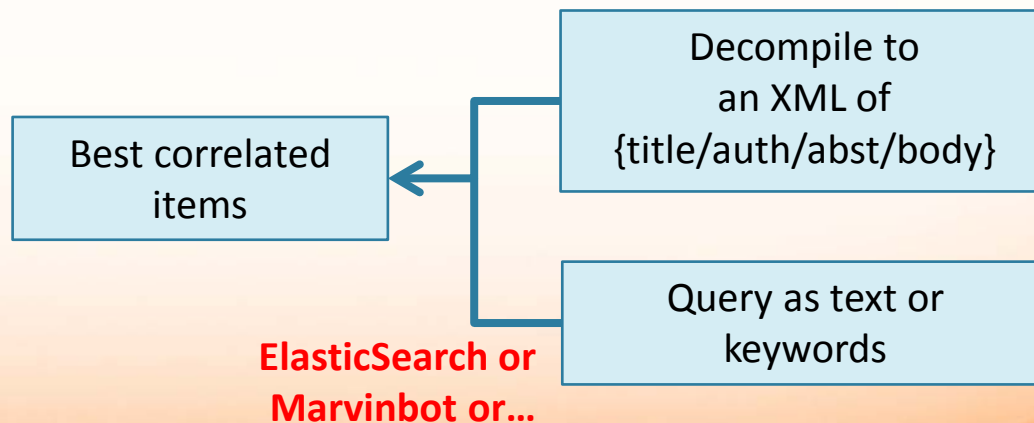
LookinLabs: difficulties



- Google search by robots is not for free
- pdf2XML is doable but heavy

LookinLabs: difficulties

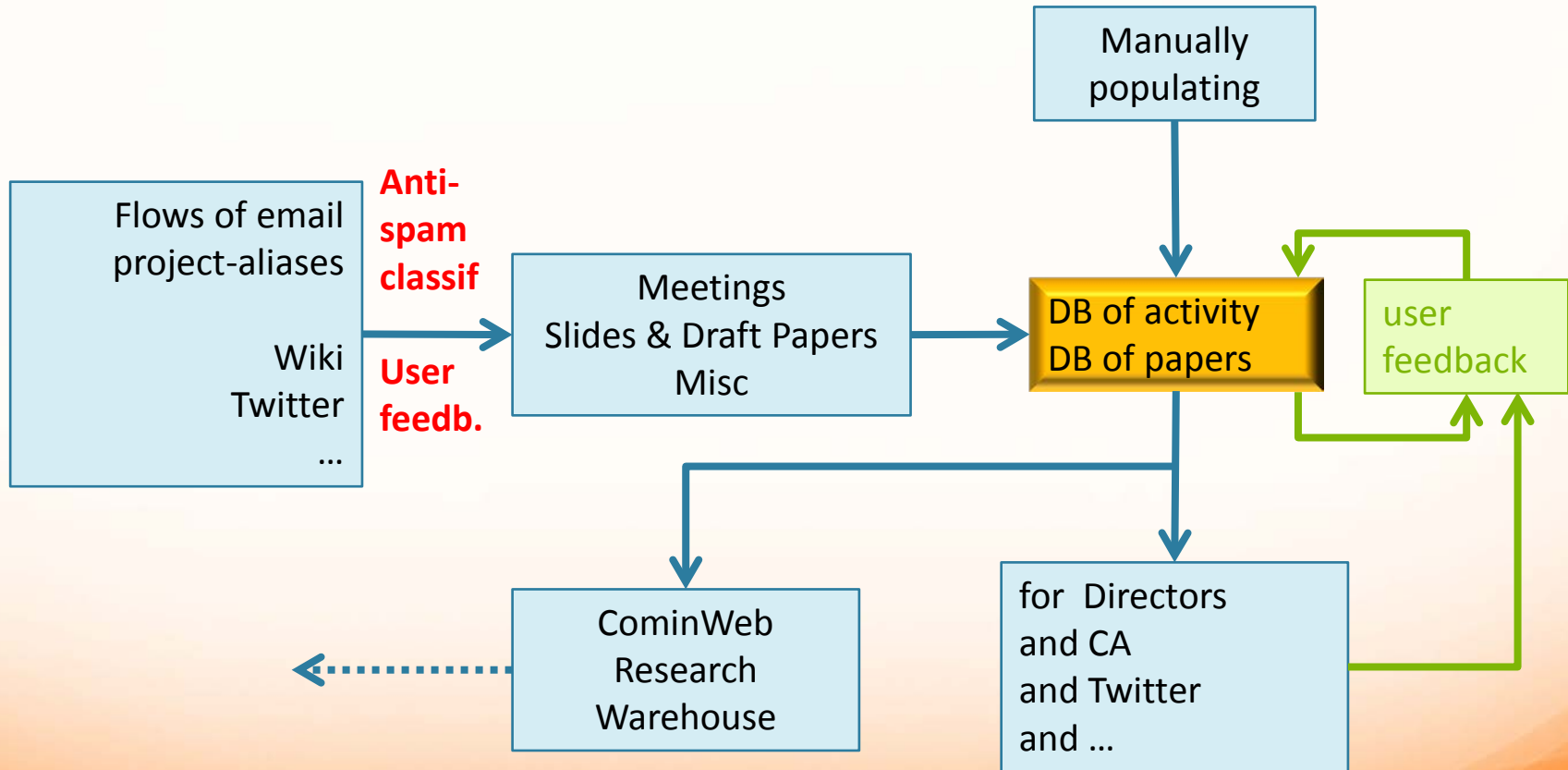
- **A search engine always returns: yes I can! But sometimes there are no competencies...**
- So we must exploit the scores; requires calibration (under progress)
- **Show explanations for ranking**
- Semantic engines?
- Planed: cluster the returns in 3 classes (as an option)



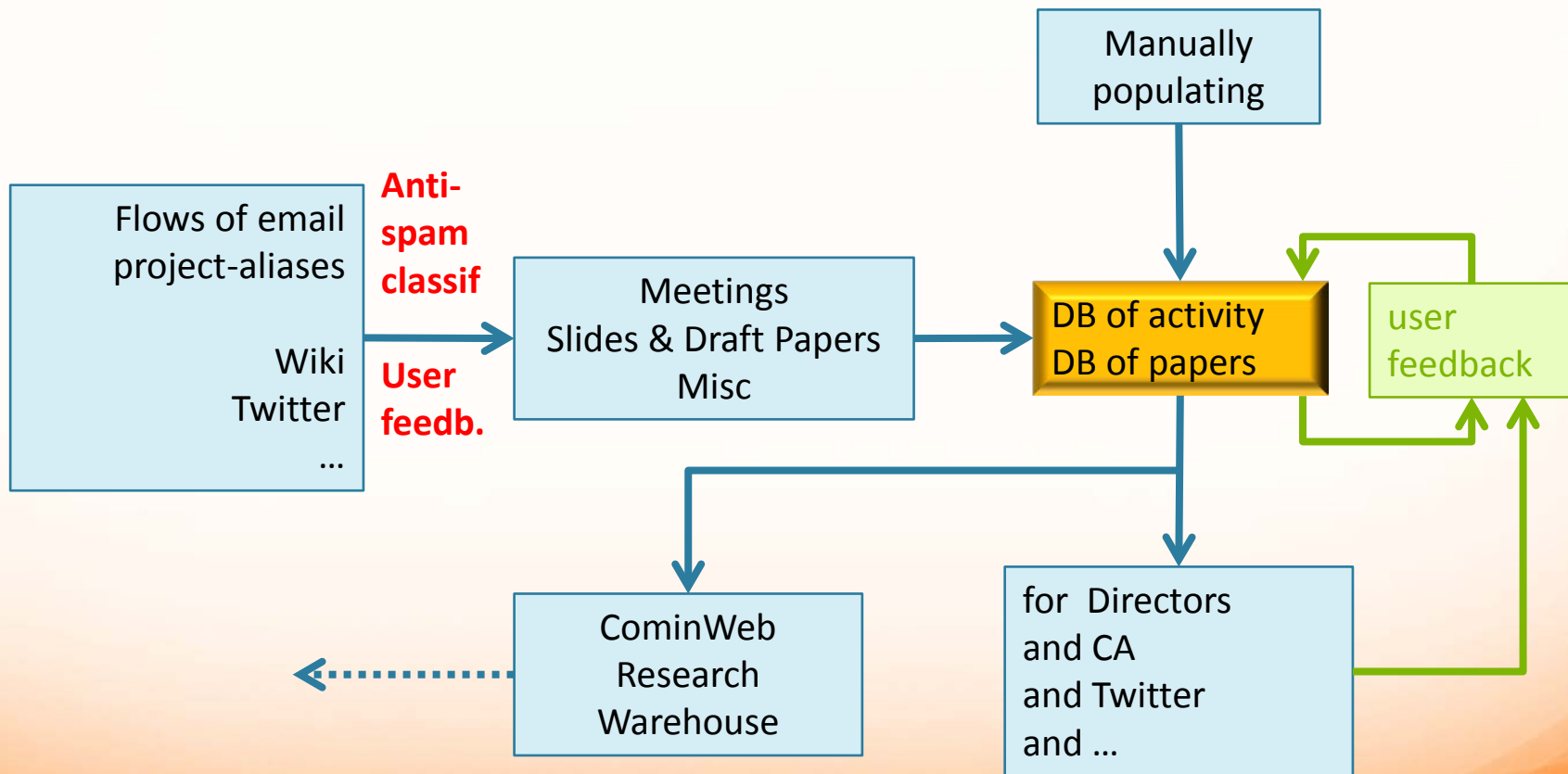
perspectives & exploitation

- **Exploit the V1 release (6 months?)**
 - Open exploitation?
 - Toolkit + method of construction
- **Academic communities**
 - Inria, Universities?
 - Search engine for HAL
- **Industrial communities and companies**
 - Large consulting firms (Ernst & Young, Mercer...)
 - Orange, Safran, Alcatel-Lucent: special ties
 - b<>com
 - ????

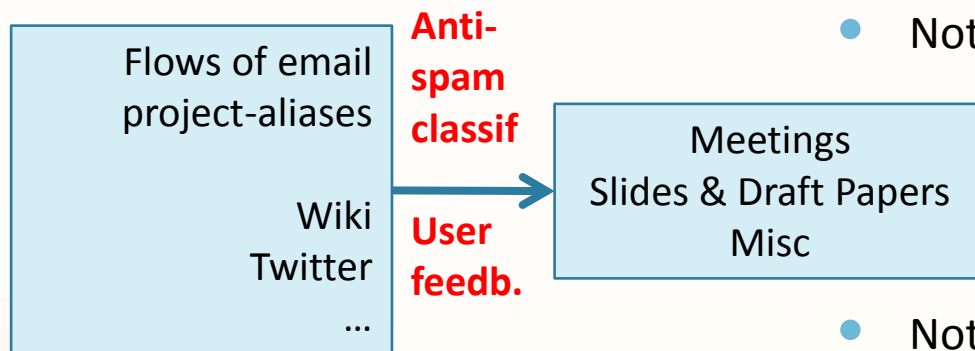
ComiNSA activity monitor



ComiNSA difficulties



ComiNSA difficulties



- Each CominLabs project uses an email alias for its activities and emails are collected & analysed
- Not many emails so far... (300)
- Not sure people use email with attachments when writing a paper
- It is, however, technically doable
- Alternative: accessing sharewares?

Activity Report: ReportLabs

- **Deployed: biblio (see project pages)**
 - Use biblio warehouse
 - Get all new publications referring to CominLabs in some way, for all project members
 - Other publications must be loaded (tedious!!)
- **What else?**
 - Generating sections by clustering publications from the biblio warehouse?
 - What did you expect?

key technical points

Big data technos

- So far the main point
- Semantics
- Using the scores
- Returning explanations

Tags & meta-data

- Open security
- Flexible access control & meta-data
- Liferay mechanisms too low level
- Plan to develop an architecture of user/doc tags

Usages

- The second main problem
- We loose time by targeting wrong usages
- Help from social science researchers?

The main lesson

Our expectation was that big data technologies could help simplifying the life of technical communities rather than making it more bureaucratic (spanish people say: *burrocratic*)

Now, we really believe we can achieve it!

Demo of LookinLabs