

Edukalibre Project

An Approach to e-Learning



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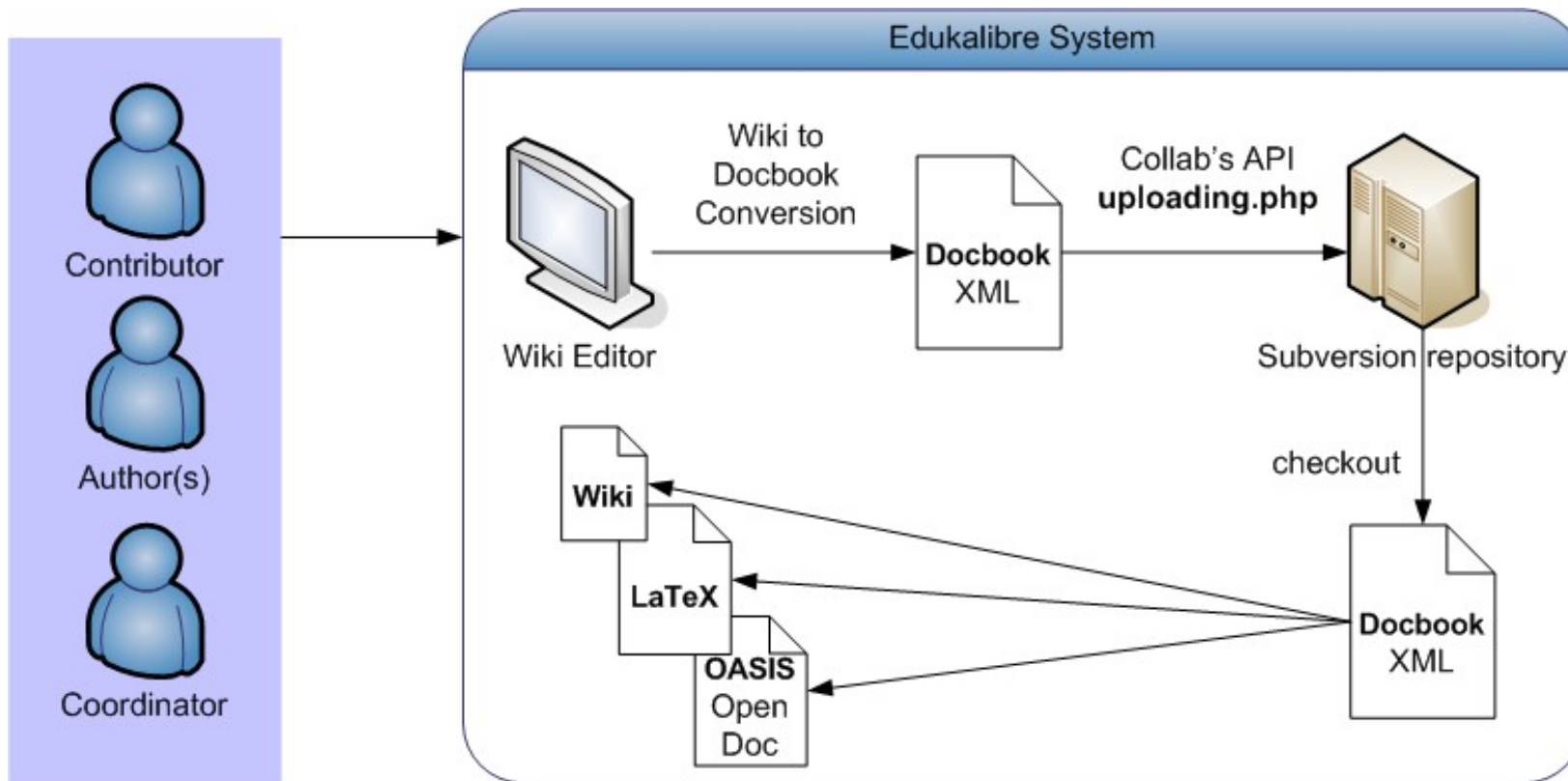
Mário Lopes

Summary

- What We've been doing
 - Wiki ↔ Docbook
 - Development of wiki syntax
 - Edukalibre Live CD
 - Server installs and local testing
 - Bug reporting
- What We'll be doing
 - Testing and validation
 - Use Cases

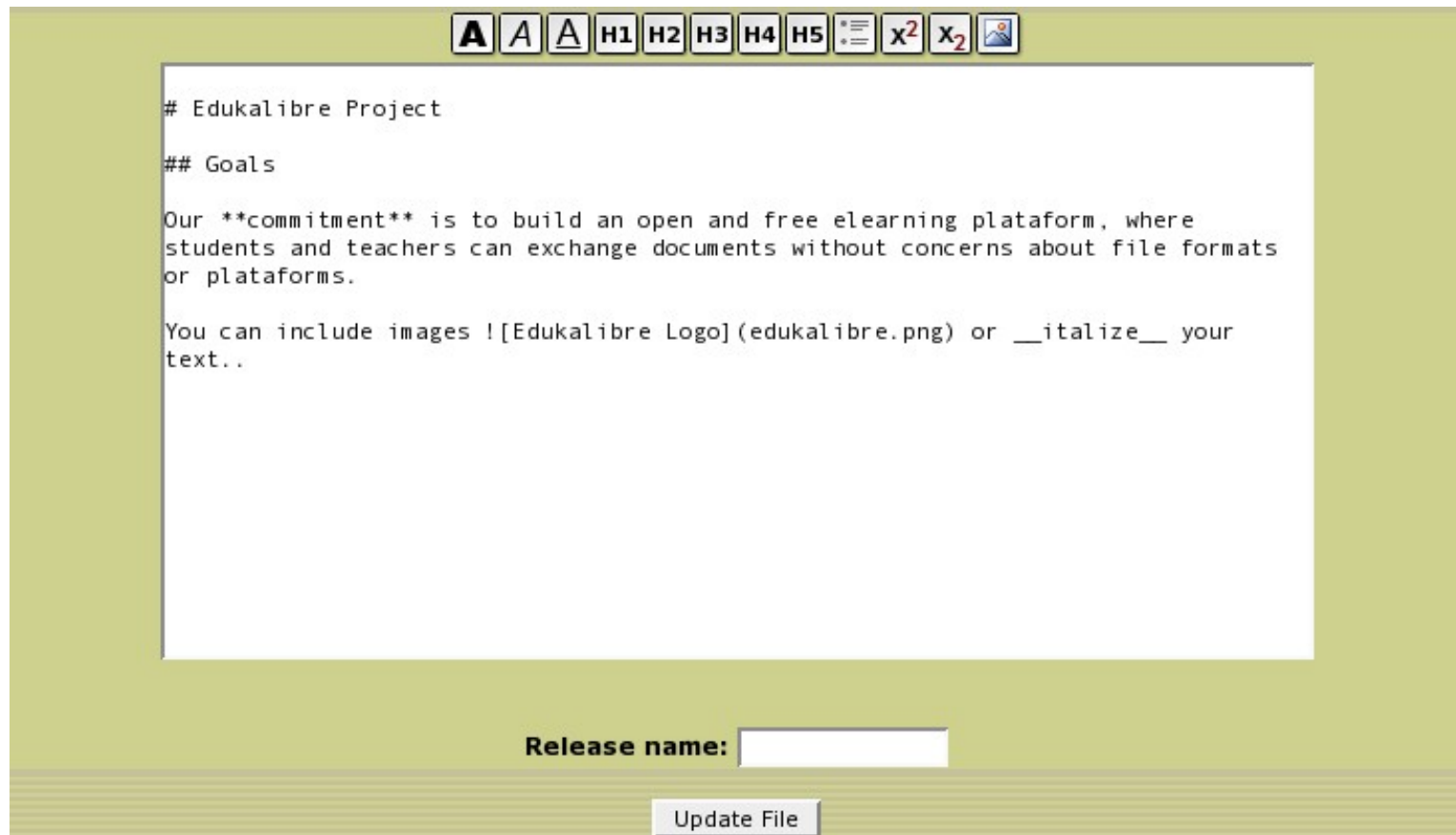
Wiki ↔ Docbook

- How the system works from the user's view:



Wiki ↔ Docbook

- The Wiki editor in action (inside Collab)



The screenshot displays a Wiki editor interface with a light green background. At the top, there is a toolbar containing icons for bold (A), italic (A), underline (A), heading levels (H1, H2, H3, H4, H5), bulleted list, numbered list, mathematical formulas (x², x₂), and an image icon. Below the toolbar is a large text area containing the following text:

```
# Edukalibre Project  
## Goals  
Our commitment is to build an open and free elearning plataform, where  
students and teachers can exchange documents without concerns about file formats  
or plataforms.  
You can include images ![Edukalibre Logo](edukalibre.png) or italize your  
text..
```

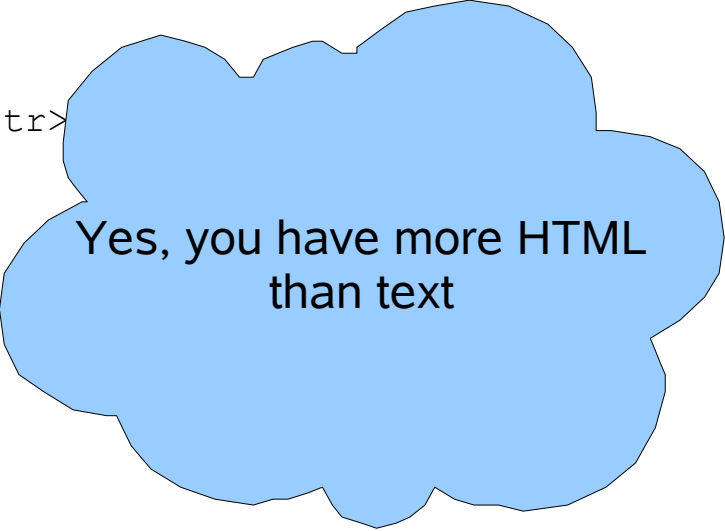
At the bottom of the text area, there is a label "Release name:" followed by an empty text input field. Below the input field is a button labeled "Update File".

Wiki ↔ Docbook

■ Wiki vs HTML

- Using HTML can be quite tedious to manage.
Compare the code for building one table

```
<table>
  <tr><th> Header 1 </th><th> Header 2 </th></tr>
  <tr><td> 1 </td><td> Free </td></tr>
  <tr><td> 2 </td><td> Software </td></tr>
  <tr><td> 3 </td><td> is </td></tr>
  <tr><td> 4 </td><td> great </td></tr>
</table>
```



Yes, you have more HTML
than text

VS.

```
^ Header 1 ^ Header 2 ^
| 1 | Free |
| 2 | Software |
| 3 | is |
| 4 | great |
```

Development of Wiki Syntax

- The proposed wiki syntax and its relation to Docbook have been available on the SVN repository since October 2004.
- All Docbook tags without a correspondent wiki tag are kept unchanged in the wiki document.
- Docbook ↔ Wiki correspondence:
[DocBook_MarkDown.pdf](#)

DocBook/Markdown Syntax

Edukalibre GNU/Linux Live CD

- **No hassle** installing the system. **Just use it.**
- Based on Knoppix.
- The user can try the Edukalibre plataform to **see how it works.**
 - But one can still use the **live cd** to build or install it on a local server. Administrators can deploy it as a fully functional server, removing what's unnecessary with `apt-get`

Edukalibre GNU/Linux Live CD

- Included in Edukalibre Live CD 0.1:
 - Knoppix 3.9
 - Conversion Tools/Glue 0.8.2
 - Repository Manager 0.8.2
 - Collab 0.8.2+
 - Moodle 1.5.1
 - WikiEduka



Server Installs and Local Testing

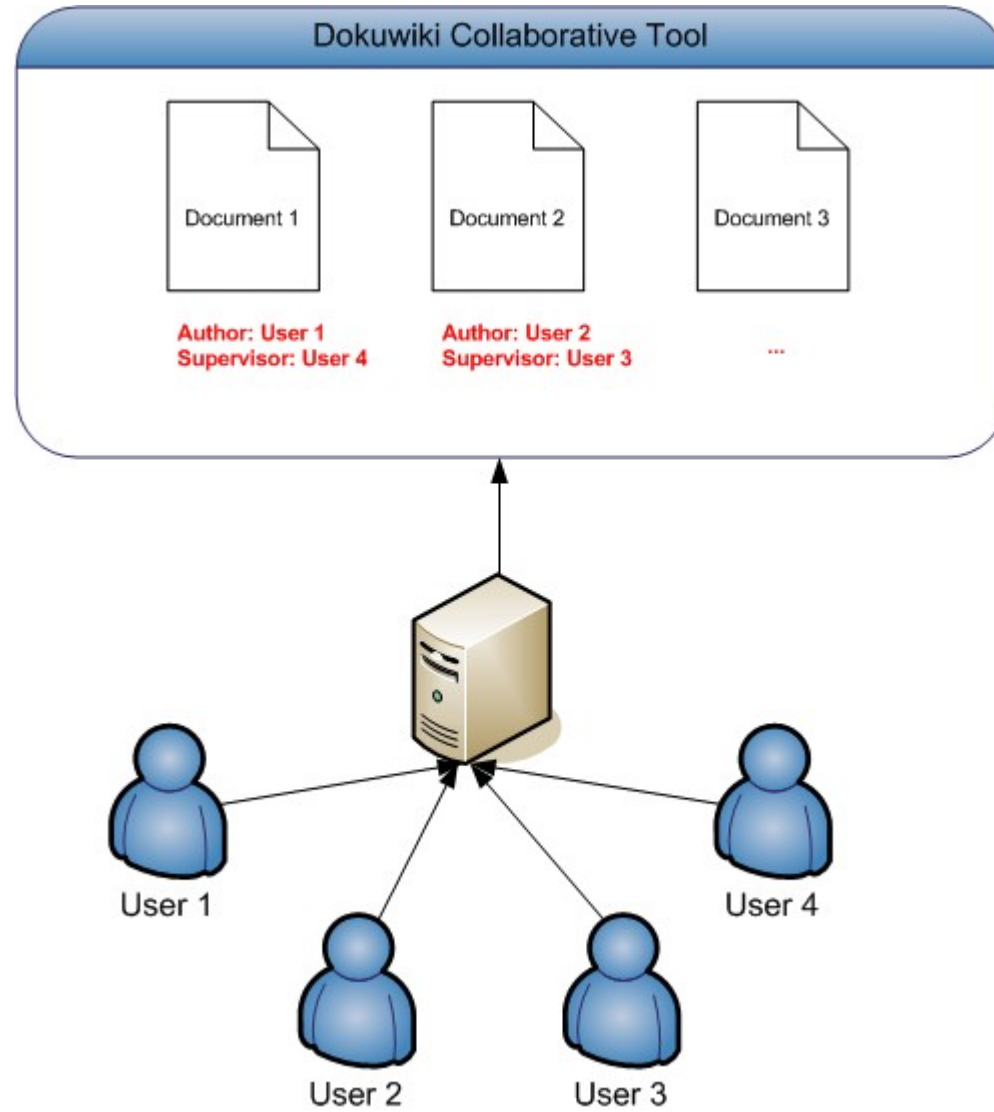
- We've made Edukalibre system available to these platforms:
 - SuSE GNU/Linux 9.x
 - Ubuntu Hoary 5.04
 - Knoppix 3.9
- All the **details**, **issues** and **manuals** about installing Edukalibre on these systems are available at <http://www.fe.up.pt/~ei02069/edukalibre.html>

What We'll Be Doing

- Test Cases
 - Study how 4 students work together on editing a document source through a collaborative on-line tool like a Wiki.
 - ...

Test Cases

- 4 students working with a Wiki

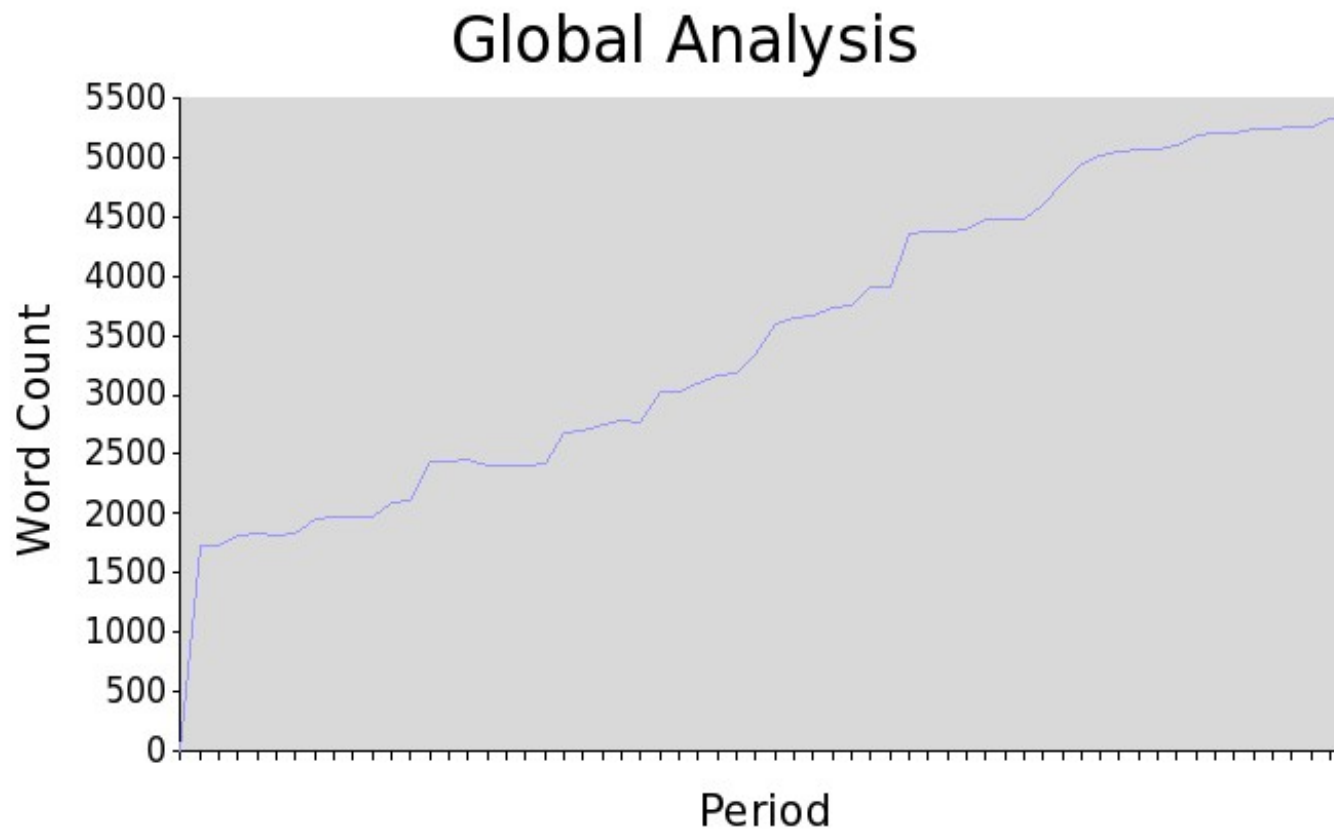


Test Cases

- 4 students working with a Wiki
 - Each student is responsible for a single subject;
 - The subject that the student is working on has a supervisor – another student;
 - The contents are not verified by teachers or any other kind of tutors;
 - **Goal:** gather knowledge from a group of persons about a certain matter.

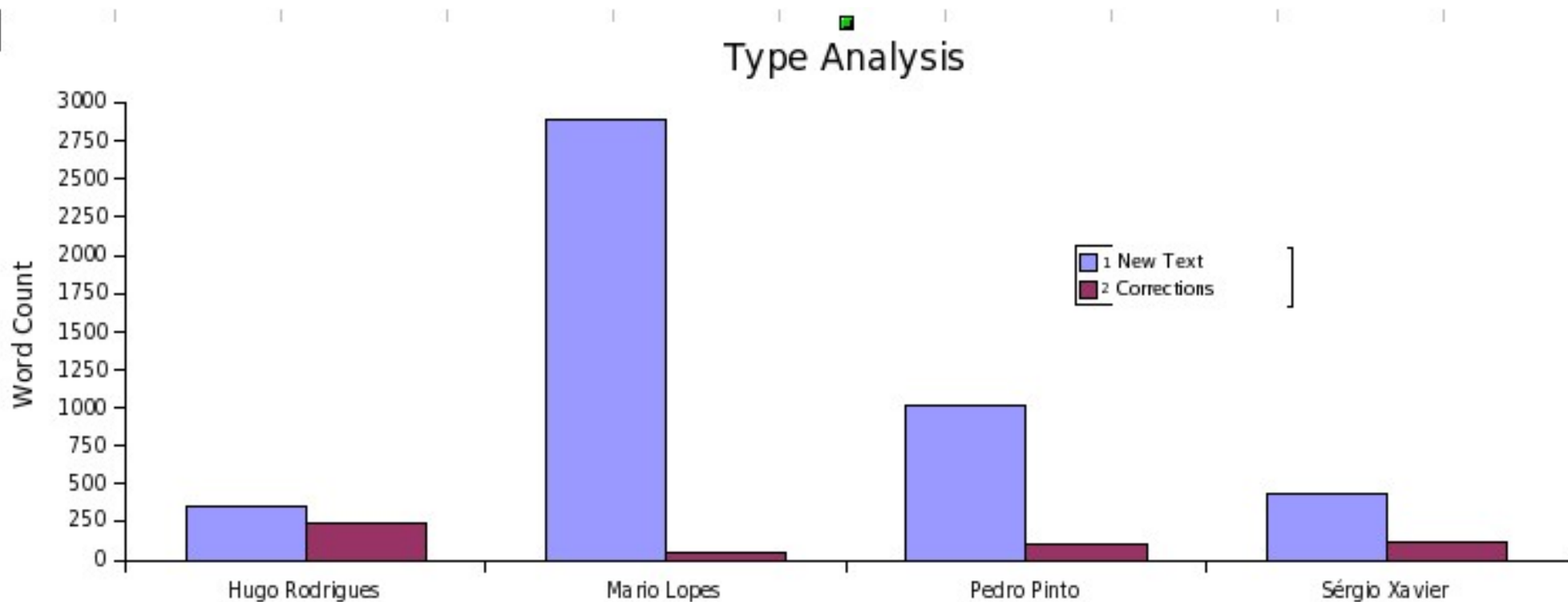
Test Case

- Global analysis of the word count increasing versus time



Test Case

- Contributions by type (content/corrections)



Test Case

- Word count evolution per subject

Subject Analysis

