

# From edmac to reledmac and reledpar

## History and expectations for critical editions with L<sup>A</sup>T<sub>E</sub>X

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5<sup>th</sup> april 2018 — Dante e.V. meeting

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<http://geekographie.maieul.net/217>

1. What is a critical edition?
2. From edmac to ledmac and ledpar
3. From ledmac and ledpar to reledmac and reledpar
4. Summary of six years of work (2017/03/09)
5. Limits et expectations

## Section 1

What is a critical edition?

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- ▶ In many witnesses with divergences
  - ▶ (Un)voluntary changes when copying a work from Antiquity or Middle Age
  - ▶ Many drafts for the same works (for modern writers)
  - ▶ For books after the invention of printing, divergences between the different prints (e.g. a novel published in a newspaper thereafter in a book)

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- ▶ Maybe, do normalization (mainly orthographic)

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## Around the edited text

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- ▶ A *textual apparatus* showing
  - ▶ The corrections or the proposals of correction from the editor
  - ▶ The main textual variations
  - ▶ The problem of witnesses reading
  - ▶ All needed remarks about the transmission of a precise part of the text (e.g. corrections in a manuscript)

# Frequent complements to a critical edition

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- ▶ Need notes which refer to one (or more) word on a page, on a precise line
- ▶ Need, sometime, to have a translation in parallel



## (Fictional) example

- 1 The little cat died. It failed from the tower. Why is it
- 2 always a little cat that dies and never a pope that fails
- 3 from the tower?

---

1 cat ] A: dog   1 died ] B: passed away   2 always ] C: *om.*   3  
tower ] AD: *add.* to the street

## Section 2

From edmac to ledmac and ledpar

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  - ▶ Critical notes on multiple layers
- ▶ In 1994, thirteen works published with **edmac**



# edmac

code 1: Minimal example with edmac

```
1 \beginnumbering
2 \pstart
3 \text{lemma}\Afootnote{note}\
4 \pend
5 \endnumbering
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⇒ Later, completed by **edstanza** (poetry) and **edtab** (tables), also for PlainT<sub>E</sub>X

# ledmac

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- ▶ “A presumptuous attempt to port EDMAC, TABMAC and EDSTANZA to LaTeX”
- ▶ I did never understand this subtitle

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- ▶ Adds tools for indexation
- ▶ Adds “familiar” footnotes (with footnote mark) on multiple layers

# ledmac

code 2: Minimal example with **ledmac**

```
1 \beginnumbering  
2 \pstart  
3 \edtext{lemma}{\Afootnote{note}}  
4 \pend  
5 \endnumbering
```

# ledpar

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- ▶ Allows to typeset two critical texts in parallel
  - ▶ Two columns in parallel
  - ▶ Two pages in parallel
- ▶ Most frequent case: a text with its translation

# ledpar

## code 3: Example of ledpar use

```
1 \begin{pages}
2   \begin{Leftside}
3     \beginnumbering
4     \pstart
5     A left page.
6     The paragraph is longer than on the right page.
7     The package will do the synchronization.
8     \pend
9     \pstart
10    An other paragraph on the left side.
11    \pend
12    \endnumbering
13  \end{Leftside}
14  \begin{Rightside}
15    \beginnumbering
16    \pstart
17    A paragraph on the right side.
18    \pend
19    \pstart
20    An other paragraph on the right side.
21    \pend
22    \endnumbering
23  \end{Rightside}
24 \end{pages}
25 \Pages
```

# ledarab

- ▶ 2003: Peter Wilson creates **ledarab**

# ledarab

- ▶ 2003: Peter Wilson creates **ledarab**
- ▶ Is based on **arabtex**, but is compatible with **ledmac** features

## Section 3

From **ledmac** and **ledpar** to **reledmac** and  
**reledpar**

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- ▶ In 2011, a relative speaks to me about one of these hacks
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- ⇒ I discover the LPPL and the maintainer system

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1. I open a Github repository
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3. In particular, some asks to easily customize the note displaying

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- ⇒ Add some entrance points to the commands, called “hooks”
- ⇒ The hooks can be easily configured in the preamble

# eledmac and eledpar

## code 4: Example of hooks with eledmac

- 1 `\numberonlyfirstinline` *%On the footnote, typeset  
↪ the line number only if it is the first note for  
↪ this line*
- 2 `\symlineum{$||$}` *%Double pipe if we don't typeset  
↪ the line number*

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- ▶ But I need to add an argument to these commands, in order to allow to **configure the hooks depending of note layer**
- ⇒ It breaks the compatibility for the people who modified the commands
- ⇒ Need to change the name in order to avoid problem when upgrading T<sub>E</sub>X distributions

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- ▶ “e” for “extended”...
- ▶ ... but also for etoolbox

## eledmac and eledpar

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- ▶ Stop maintaining **ledarab**
- ▶ Writings from right to left must be managed by modern engines: Xe<sub>Ǝ</sub>TeX or LuaTeX

## reledmac and reledpar

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- ▶ Sometime, settings are made with command call, sometime with command redefinition (`\renewcommand`)
- ▶ Some commands defined in **eledmac** are redefined in **eledpar** (`\renewcommand`)  $\Rightarrow$  More risks of error
- ▶ The output routine (`\output`) is overwritten and not patched  $\Rightarrow$  More risks of incompatibility

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## reledmac and reledpar

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  - Name ending with **X** applicable to the familiar footnotes
  - Name starting with **Xend** applicable the critical endnotes
- ▶ **reledmac** and **reledpar**: “r” as renewed

## Section 4

Summary of six years of work (2017/03/09)

# Statistics

- ▶ More than six hundred improvements / fixed bugs

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- ▶ More than six hundred improvements / fixed bugs
- ▶ More than two hundred releases
- ▶ More than eight thousand commits

# Main improvements

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- ▶ Documentation
  - ▶ Make clear distinction between
    - ▶ The documentation of the user interface
    - ▶ The documentation of the code
    - ▶ The examples
  - ▶ Add sectioning and use `hyperref`
- ▶ More explicit error messages when an user makes syntax errors

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## Section 5

### Limits et expectations

## Personal limits

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## Personal limits

- ▶ Time limits (unsalaried work)
- ▶ English is not my native language
- ▶ No knowledge of some subtleties of modern engines for right-to-left writing

## Complexities linked to `reledmac/reledpar` working

- ▶ Split paragraphs to lines with `\vsplit`  $\Rightarrow$  Problem with texts “outer of a classical paragraph” (titles, lists, images, etc.)

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- ▶ Split paragraphs to lines with `\vsplit`  $\Rightarrow$  Problem with texts “outer of a classical paragraph” (titles, lists, images, etc.)
- ▶ Shift between the time a text is read by  $\text{\TeX}$  and the time it is typeset (especially `reledpar`)  $\Rightarrow$  Constant vigilance!

## Technical debt with `reledpar`

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  - ▶ Some commands for the left text apply also in the mode “single text/single column”
  - ▶ But the commands for the right text apply only the right text
- ▶ Code duplication between internal left commands and internal right commands
- ▶ Binary conception for parallel typesetting ⇒ Impossible to expect to typeset three or more texts in parallel without rewriting around 90 % of the code



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  - ▶ Documentation
  - ▶ Examples
  - ▶ Easy problems to solve (?)

# Wishes

- ▶ Continue to make “easy” improvements as regularly as possible
- ▶ Create figures to explain internal working of `reledmac` / `reledpar`
- ▶ Create more and more MWE in order to avoid involuntary compatibility breaks
- ▶ Imply more the users in the project
  - ▶ Documentation
  - ▶ Examples
  - ▶ Easy problems to solve (?)
- ▶ Find a founding for one year after my actual contract in order to improve parallel typesetting



Thank you very much to DANTE !

