# GOAL

Develop a platform independent method for efficiently producing fully open, reproducible, and collaborative scientific works.

0.1.0 target methods:

* Basic md <-> html <-> docx <-> pdf conversion with pandoc.
* Text editing with Atom.
* Authoring in Microsoft Word (Windows).
* Authoring in LibreOffice (Ubuntu).
* Analysis with R; plotting with ggplot2.
* Version control with Git and GitHub.
* APA formatting and PDF compiling with LiveTeX, apa6, biblatex and biber. (Ubuntu)
* Ubuntu 14.0.4 LTS quickstart guide.

# [ROAD TO 0.1.0](https://github.com/olivierlacan/keep-a-changelog)

## 26-06-2015

### Drafting working environment and guide.

* Set up Ubuntu environment again from scratch.
* Wrote extensive Ubuntu setup guide from zero to APA 6th Ed LaTeX.
* Wrote general pandoc batch converters gen\_from-md.sh and gen\_to-md.sh.
* gen\_from-md generates html/docx via md, gen\_to-md generates md via docx.
* Current documents: README, INSTALLS, PROPOSALS.

## 25-06-2015

### Building a skeleton

* Installed Git and GitHub for Windows. ⋅⋅\* [Setting up GitHub](https://help.github.com/articles/set-up-git/)
* Set up Personal Open Science Project repository.
* Install Pandoc. ⋅⋅\* [Pandoc](http://pandoc.org/).
* Added pandoc to .gitconfig.
* [diff "pandoc"] textconv=pandoc --to=markdown prompt = false [alias] wdiff = diff --word-diff=color --unified=1
* Set project .gitattributes to use diff=pandoc
* Converted Goals.docx to Markdown.
* pandoc -s Goals.docx -t markdown -o Goals.md
* Converted Development Proposals.docx to Markdown.
* pandoc -s "Development Proposals.docx" -t markdown -o "Development Proposals.md"
* Committed to GitHub. ⋅⋅\* Pandoc diff is not working for GitHub GUI.
* Error: Could not generate diff for file.
* Decided Ben Balter's Word Diff solution is too complicated.
* Wrote temporary .bat file that manually converts .docx to .md with Pandoc.
* Removed pandoc from .gitconfig
* Successfully committed and synced with GitHub, cloned to Ubuntu VM, committed again and updated Windows local.
* Merged log and goals into README.md, renamed Development Proposals to PROPOSALS.