

HelmholtzZentrum münchen

German Research Center for Environmental Health

Institute for Epigenetics and Stem Cells

Report template with HMGU corporate design for L^AT_EX

How to use it ?

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1 Short documentation

1.1 Introduction

This (very) short document shows how to use the HMGU corporate design for reports with L^AT_EX. It uses the standard report class and allows to quickly presents research within a scientific report. The requisites and the available commands are listed in the following sections.

Reports must be compiled with `latex` command: bad output results will occur with other commands (e.g. `pdflatex`), especially on colors in chapter titles.

This document corresponds to the version in date of April 26, 2016. For all additional information, for bug report, or for suggestion, please send an email to `julien.pontabry@helmholtz-muenchen.de`.

1.2 Requisites

In order to get a function template, the following packages are mandatory:

- `geometry` to manage the geometry of the page;
- `babel` to get correct translations (english);
- `ifdraft` to know if the user switch to draft and then not plotting loaded data;
- `verbatim` to display code;
- `lmodern` to have modern font typefaces;
- `microtype` to improve the typography of the document;
- `color` to have colors;
- `url` to be able to display URLs and breaking them when needed;
- `enumitem` to have custom enumerations;
- `titlesec` for customizing the chapter titles;
- `fix-cm` to allow for directly change some fonts;
- `fancyhdr` for custom headers and footers;
- `graphicx` for the display of images and logos;

1. SHORT DOCUMENTATION

- `caption` and `subcaption` to have custom caption for figures and subfigures;
- `tikz` for drawing (the `tikz` library `plotmarks` is required);
- `multirow` to allow multiple rows in tables;
- `pgfplotstable` to manage data tables loaded directly from CSV files;
- `pgfplots` to plot data directly from CSV files (`pgfplots` libraries `units` and `groupplots` are required as well);
- AMS packages for beautiful equations (`amsmath`, `amssymb`, `amsfonts`, etc.);
- `xfrac` to get nice fractions display;
- `booktabs`, `array` and `siunitx` for number and units formatting;
- `algorithm2e` to have nice algorithms;
- `biblatex` for bibliography management;
- `hyperref` for PDF formatting;
- `breakurl` for nice URLs formatting within a PDF;
- `cleveref` for cross-references management.

To get a proper output of this document, the file *hmgu-report.sty* is mandatory because it contains all the command and formatting instructions. The image file *hmgu_color_englisch.eps* is necessary as well for the logo.

1.3 Available commands

In addition to all \LaTeX commands used for writing a report, the following are available:

- `\subtitle` to write a subtitle on the first page;
- `\institute` to display the name of the institute on the first page;
- `\affiliationlogo` for the display of the logo of *Helmholtz Zentrum München* on the first page;
- all the commands coming with packages (e.g. `\si` coming with `siunitx` for unit display).