

# Package: INBOmd (via r-universe)

August 12, 2024

**Type** Package

**Title** Markdown Templates for INBO

**Version** 0.6.3

**Description** Several templates to generate reports, presentations and posters.

**License** GPL-3

**URL** <https://inbo.github.io/INBOmd/>, <https://github.com/inbo/inbomd>,  
<https://doi.org/10.5281/zenodo.842223>

**BugReports** <https://github.com/inbo/inbomd/issues>

**Depends** R (>= 3.5.0)

**Imports** assertthat, bookdown (>= 0.23.4), checklist (>= 0.3.2), dplyr, fs, gert, htmltools, knitr, pdftools, qrcode (>= 0.1.2), rmarkdown, tinytex, utils

**Suggests** DT, ggplot2, INBOtheme (>= 0.5.4), pander, rstudioapi, webshot

**VignetteBuilder** knitr

**Additional\_repositories** <https://inbo.r-universe.dev>

**Config/checklist/communities** inbo

**Config/checklist/keywords** markdown; bookdown; corporate identity; template

**Encoding** UTF-8

**Language** en-GB

**Roxygen** list(markdown = TRUE)

**RoxygenNote** 7.3.0

**Repository** <https://inbo.r-universe.dev>

**RemoteUrl** <https://github.com/inbo/inbomd>

**RemoteRef** HEAD

**RemoteSha** 9193adc22e99d10670113042616ca9dcf280f40f

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add_author	<i>Add an author to the a report</i>
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### Description

This function will interactively add the information of an author from the local authors database.

### Usage

```
add_author(path = ".")
```

### Arguments

path            the path to the index.Rmd of the bookdown report.

### See Also

Other utils: [add\\_report\\_numbers\(\)](#), [check\\_dependencies\(\)](#), [column\\_start\(\)](#), [column\\_width\(\)](#), [cover\\_info\(\)](#), [create\\_report\(\)](#), [dyn\\_table\(\)](#), [references\(\)](#), [render\\_natbib\(\)](#), [validate\\_doi\(\)](#)

---

add\_report\_numbers     *Add the report numbers to a bookdown report*

---

### Description

Add the report numbers to a bookdown report

### Usage

```
add_report_numbers(
  path = ".",
  doi,
  year,
  reportnr,
  depotnr,
  photo,
  description,
  embargo = Sys.Date(),
  ordernr,
  copies,
  motivation,
  pages
)
```

### Arguments

path	the path to the index.Rmd of the bookdown report.
doi	a string containing the DOI.
year	Publication year
reportnr	Report number assigned by the INBO library.
depotnr	Report number assigned by the INBO library.
photo	Link to an image to used on the cover.
description	Description of photo, including author information.
embargo	The earliest date at which the report can be made public on the INBO website. Defaults to today.
ordernr	Optional reference number specified by the client.
copies	Set the required number of copies in case you really need a printed version of the report. Omit in case you only require a digital version. Keep in mind that the INBO policy is to be "radically digital". Which implies to only print a report if it is mandatory.
motivation	Required motivation in case copies is set to a non-zero number.
pages	Number of pages of the report. Only required in case copies is set to a non-zero number.

**See Also**

Other utils: [add\\_author\(\)](#), [check\\_dependencies\(\)](#), [column\\_start\(\)](#), [column\\_width\(\)](#), [cover\\_info\(\)](#), [create\\_report\(\)](#), [dyn\\_table\(\)](#), [references\(\)](#), [render\\_natbib\(\)](#), [validate\\_doi\(\)](#)

---

check_dependencies	<i>Check if the required dependencies of INBOmd are installed Missing dependencies will be installed automatically</i>
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---

**Description**

Check if the required dependencies of INBOmd are installed Missing dependencies will be installed automatically

**Usage**

```
check_dependencies()
```

**See Also**

Other utils: [add\\_author\(\)](#), [add\\_report\\_numbers\(\)](#), [column\\_start\(\)](#), [column\\_width\(\)](#), [cover\\_info\(\)](#), [create\\_report\(\)](#), [dyn\\_table\(\)](#), [references\(\)](#), [render\\_natbib\(\)](#), [validate\\_doi\(\)](#)

---

column_start	<i>Calculate the starting position of an A0 column</i>
--------------	--

---

**Description**

Calculate the starting position of an A0 column

**Usage**

```
column_start(number = 3, start = 1, margin = 20, edge = 10)
```

**Arguments**

number	The desired number of columns with equal width.
start	the number of the column
margin	the horizontal distance between columns in mm.
edge	the width of the whitespace edge around the poster in mm.

**See Also**

Other utils: [add\\_author\(\)](#), [add\\_report\\_numbers\(\)](#), [check\\_dependencies\(\)](#), [column\\_width\(\)](#), [cover\\_info\(\)](#), [create\\_report\(\)](#), [dyn\\_table\(\)](#), [references\(\)](#), [render\\_natbib\(\)](#), [validate\\_doi\(\)](#)

---

column_width	<i>Calculate the width of an A0 column</i>
--------------	--

---

**Description**

Calculate the width of an A0 column

**Usage**

```
column_width(number = 3, margin = 20, edge = 10)
```

**Arguments**

number	The desired number of columns with equal width.
margin	the horizontal distance between columns in mm.
edge	the width of the whitespace edge around the poster in mm.

**See Also**

Other utils: [add\\_author\(\)](#), [add\\_report\\_numbers\(\)](#), [check\\_dependencies\(\)](#), [column\\_start\(\)](#), [cover\\_info\(\)](#), [create\\_report\(\)](#), [dyn\\_table\(\)](#), [references\(\)](#), [render\\_natbib\(\)](#), [validate\\_doi\(\)](#)

---

cover_info	<i>Create a cover.txt from the YAML header</i>
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**Description**

You need to provide information to create the cover image and (optionally) print the report. Add the information to the YAML header of the report. Then run this function to convert the information into a `cover.txt` and send that file along the other files to the review process.

**Usage**

```
cover_info(path = "index.Rmd")
```

**Arguments**

path	The path to the main <code>.Rmd</code> file.
------	--

**See Also**

Other utils: [add\\_author\(\)](#), [add\\_report\\_numbers\(\)](#), [check\\_dependencies\(\)](#), [column\\_start\(\)](#), [column\\_width\(\)](#), [create\\_report\(\)](#), [dyn\\_table\(\)](#), [references\(\)](#), [render\\_natbib\(\)](#), [validate\\_doi\(\)](#)

---

create_report	<i>Create a template for an INBOmd bookdown report</i>
---------------	--

---

### Description

Create a template for an INBOmd bookdown report

### Usage

```
create_report(path = ".", shortname)
```

### Arguments

path	The folder in which to create the folder containing the report. Defaults to the current working directory.
shortname	The name of the report project. The location of the folder shortname depends on the content of path. When path is a subfolder of a git repository, it is changed to the root of that git repository. When path is a <code>checklist::checklist</code> project, you will find the new report at <code>path/source/shortname</code> . When path is a <code>checklist::checklist</code> package, you will find the new report at <code>path/inst/shortname</code> . Otherwise you will find the new report at <code>path/shortname</code> .

### See Also

Other utils: [add\\_author\(\)](#), [add\\_report\\_numbers\(\)](#), [check\\_dependencies\(\)](#), [column\\_start\(\)](#), [column\\_width\(\)](#), [cover\\_info\(\)](#), [dyn\\_table\(\)](#), [references\(\)](#), [render\\_natbib\(\)](#), [validate\\_doi\(\)](#)

---

dyn_table	<i>Use a different table style depending on the output format</i>
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### Description

- **interactive session:** `DT::datatable()`
- **html:** `DT::datatable()`
- **other:** `knitr::kable()`

### Usage

```
dyn_table(x, caption = NULL, rownames = FALSE, escape = TRUE, align, ...)
```

**Arguments**

x	the dataframe
caption	the table caption; a character vector or a tag object generated from <code>htmltools::tags\$caption()</code>
rownames	TRUE (show row names) or FALSE (hide row names) or a character vector of row names; by default, the row names are displayed in the first column of the table if exist (not NULL)
escape	whether to escape HTML entities in the table: TRUE means to escape the whole table, and FALSE means not to escape it; alternatively, you can specify numeric column indices or column names to indicate which columns to escape, e.g. <code>1:5</code> (the first 5 columns), <code>c(1, 3, 4)</code> , or <code>c(-1, -3)</code> (all columns except the first and third), or <code>c('Species', 'Sepal.Length')</code> ; since the row names take the first column to display, you should add the numeric column indices by one when using <code>rownames</code>
align	Column alignment: a character vector consisting of 'l' (left), 'c' (center) and/or 'r' (right). By default or if <code>align = NULL</code> , numeric columns are right-aligned, and other columns are left-aligned. If <code>length(align) == 1L</code> , the string will be expanded to a vector of individual letters, e.g. <code>'ccl'</code> becomes <code>c('c', 'l', 'c')</code> , unless the output format is LaTeX.
...	Other arguments (see Examples and References).

**See Also**

Other utils: [add\\_author\(\)](#), [add\\_report\\_numbers\(\)](#), [check\\_dependencies\(\)](#), [column\\_start\(\)](#), [column\\_width\(\)](#), [cover\\_info\(\)](#), [create\\_report\(\)](#), [references\(\)](#), [render\\_natbib\(\)](#), [validate\\_doi\(\)](#)

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 epub\_book

*Style for e-book*


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**Description**

A version of `bookdown::epub_book()` with a different styling.

**Usage**

```
epub_book()
```

**Available YAML headers options shared among output formats**

- `title`: the main title
- `subtitle`: the optional subtitle
- `author`: the authors formatted as indicated in the section below.
- `flandersfont`: if set to TRUE, use the Flanders Art Sans font. When not set, or set to FALSE or empty, use the Calibri font.
- `style`: Defaults to "INBO" when missing.

- "INBO" for the INBO style.
- "Vlaanderen" for the generic style of the Flemish Government in Dutch.
- "Flanders" for the generic style of the Flemish Government in a language other than Dutch.
- lang: the main language of the document as [RFC 5646](#) tags. style "INBO" and "Vlaanderen" require "nl" as lang. style "Flanders" uses "en" as default and can use other languages (but not "nl").
  - "nl" for Dutch
  - "en" for English
  - "fr" for French
- codesize: Relative size of R code compared to normal text. Defaults to "footnotesize". All options going from large to small are: "normalsize", "small", "footnotesize", "scriptsize", "tiny". "normalsize" implies the same size as normal text.

### Formatting author information

Quotes are required when a part contains spaces. If the author doesn't have an ORCID, you can omit that line. However, note that the INBO policy is that all scientific personnel is required to obtain an ORCID from <https://orcid.org>. Add corresponding: true to the corresponding author.

```
- name:
  given: "Authors first name"
  family: "Authors last name"
  email: "local-part@domain.com"
  orcid: 0000-0002-1825-0097
  corresponding: true
```

### Available YAML headers options specific for reports

Bold items are required when creating a public report. Omitting them results in an ugly warning in the rendered document. This is deliberate done so you can prepare the document without adding the information. But the ugly warnings nudges you to add the required information before publication.

- public\_report: A logical value indicating whether the report will be published or not. Setting public\_report: FALSE will alter the colophon. Omitting public\_report is equivalent to public\_report: TRUE. An internal report can't have a DOI. Setting a DOI is equivalent to public\_report: TRUE.
- reviewer: names of the reviewers. Use the same syntax as for the authors.
- year: year of publication. Used in the same places as shortauthor.
- cover\_photo: the relative path to the image you want on the cover.
- cover\_description: Description of the cover photo, including information on the author of the picture and license information.
- cover the relative path to a pdf with the cover provided by the graphical designer. The first page of this pdf will be prepended to the pdf version of the report. It becomes the title page in the web and e-book version of the report. And also shows as a thumbnail in the floating table of content in the web version.



- `doi`: the Digital Object Identifier of the report. Used in conjunction with `shortauthor` and `year`.
- `reportnr`: Report number assigned by the INBO library.
- `ordernr`: Optional reference number specified by the client.
- `depotnr`: Report number assigned by the INBO library.
- `client`: Optionally the name, address and website of the client.
- `client_logo`: Optionally the logo of the client. Only used when `client` is set.
- `cooperation`: Optionally the name, address and website of the organisation you collaborated with.
- `cooperation_logo`: Optionally the logo of the collaborator. Only used when `cooperation` is set.
- `geraardsbergen`: Set this to `TRUE` to add the address of INBO Geraardsbergen to the colophon. If not set or set to `FALSE` add the address of INBO Brussels.
- `watermark`: an optional text to display as a watermark on the pdf or html. Note that omitting any of the required element will automatically generate a watermark with the text "DRAFT". Fill all required fields to get ride of this automatic watermark.

### See Also

Other output: [gitbook\(\)](#), [handouts\(\)](#), [minutes\(\)](#), [mission\(\)](#), [pdf\\_report\(\)](#), [poster\(\)](#), [slides\(\)](#)

---

gitbook

*Output format for a web version of the report*

---

### Description

A version of `bookdown::gitbook()` with a different styling.

### Usage

```
gitbook(code_folding = c("none", "show", "hide"))
```

### Arguments

`code_folding` Enable document readers to toggle the display of R code chunks. Specify "none" to display all code chunks. Specify "hide" or "show" to hide or show all R code chunks by default, and let readers toggle the states on browsers. See the *Code folding*

### Available YAML headers options shared among output formats

- `title`: the main title
- `subtitle`: the optional subtitle
- `author`: the authors formatted as indicated in the section below.
- `flandersfont`: if set to TRUE, use the Flanders Art Sans font. When not set, or set to FALSE or empty, use the Calibri font.
- `style`: Defaults to "INBO" when missing.
  - "INBO" for the INBO style.
  - "Vlaanderen" for the generic style of the Flemish Government in Dutch.
  - "Flanders" for the generic style of the Flemish Government in a language other than Dutch.
- `lang`: the main language of the document as [RFC 5646](#) tags. style "INBO" and "Vlaanderen" require "nl" as lang. style "Flanders" uses "en" as default and can use other languages (but not "nl").
  - "nl" for Dutch
  - "en" for English
  - "fr" for French
- `codesize`: Relative size of R code compared to normal text. Defaults to "footnotesize". All options going from large to small are: "normalsize", "small", "footnotesize", "scriptsize", "tiny". "normalsize" implies the same size as normal text.

### Formatting author information

Quotes are required when a part contains spaces. If the author doesn't have an ORCID, you can omit that line. However, note that the INBO policy is that all scientific personnel is required to obtain an ORCID from <https://orcid.org>. Add `corresponding: true` to the corresponding author.

```
- name:
  given: "Authors first name"
  family: "Authors last name"
  email: "local-part@domain.com"
  orcid: 0000-0002-1825-0097
  corresponding: true
```

### Available YAML headers options specific for reports

Bold items are required when creating a public report. Omitting them results in an ugly warning in the rendered document. This is deliberate done so you can prepare the document without adding the information. But the ugly warnings nudges you to add the required information before publication.

- `public_report`: A logical value indicating whether the report will be published or not. Setting `public_report: FALSE` will alter the colophon. Omitting `public_report` is equivalent to `public_report: TRUE`. An internal report can't have a DOI. Setting a DOI is equivalent to `public_report: TRUE`.
- `reviewer`: names of the reviewers. Use the same syntax as for the authors.

- `year`: year of publication. Used in the same places as `shortauthor`.
- `cover_photo`: the relative path to the image you want on the cover.
- `cover_description`: Description of the cover photo, including information on the author of the picture and license information.
- `cover`: the relative path to a pdf with the cover provided by the graphical designer. The first page of this pdf will be prepended to the pdf version of the report. It becomes the title page in the web and e-book version of the report. And also shows as a thumbnail in the floating table of content in the web version.
- `doi`: the Digital Object Identifier of the report. Used in conjunction with `shortauthor` and `year`.
- `reportnr`: Report number assigned by the INBO library.
- `ordernr`: Optional reference number specified by the client.
- `depotnr`: Report number assigned by the INBO library.
- `client`: Optionally the name, address and website of the client.
- `client_logo`: Optionally the logo of the client. Only used when `client` is set.
- `cooperation`: Optionally the name, address and website of the organisation you collaborated with.
- `cooperation_logo`: Optionally the logo of the collaborator. Only used when `cooperation` is set.
- `geraardsbergen`: Set this to `TRUE` to add the address of INBO Geraardsbergen to the colophon. If not set or set to `FALSE` add the address of INBO Brussels.
- `watermark`: an optional text to display as a watermark on the pdf or html. Note that omitting any of the required element will automatically generate a watermark with the text "DRAFT". Fill all required fields to get ride of this automatic watermark.

#### Available YAML headers options specific for gitbook

- `github-repo`: You can optionally set the github repo in `organisation/repository` format (e.g. `inbo/INBOmd`). This will add an 'edit' button to the source file on GitHub. Note that only people with write access can edit the files directly in the repository. Others can only edit the source code in a fork of the repository and suggest the changes through a pull request.
- `split_by`: How to name the HTML output files from the book:
  - `chapter+number` means split the file by the first-level headers;
  - `section+number` means the second-level headers. For `chapter+number` and `section+number`, the HTML file names will be determined by the header ID's, e.g. the file name for the first chapter with a chapter title # Introduction will be `'1-introduction.html'`. Note that you need to place at least one level 1 heading in `index.Rmd`. Otherwise you don't get an `index.html` file.

#### See Also

Other output: [epub\\_book\(\)](#), [handouts\(\)](#), [minutes\(\)](#), [mission\(\)](#), [pdf\\_report\(\)](#), [poster\(\)](#), [slides\(\)](#)

---

handouts

*Use the handout version of slides with the INBO theme*


---

### Description

Similar to `slides()` except that you can't have progressive slides. And you can place multiple slides on a single page.

### Usage

```
handouts(
  toc = TRUE,
  nup = c("8", "1", "1plus", "2", "3", "3plus", "4", "4plus", "6"),
  ...
)
```

### Arguments

<code>toc</code>	display a table of content after the title slide
<code>nup</code>	Number of slides on a page. Defaults to 8. The 'plus' layouts leave blank space for recipients to make handwritten notes next to each slide. Note that the 2, 3plus, 4 and 6 layouts are intended for slides in the 4:3 aspect ratio, while the 3, 4plus and 8 layouts are intended for widescreen slides like the 16:10 aspect ratio.
<code>...</code>	currently ignored

### Available YAML headers options shared among output formats

- `title`: the main title
- `subtitle`: the optional subtitle
- `author`: the authors formatted as indicated in the section below.
- `flandersfont`: if set to TRUE, use the Flanders Art Sans font. When not set, or set to FALSE or empty, use the Calibri font.
- `style`: Defaults to "INBO" when missing.
  - "INBO" for the INBO style.
  - "Vlaanderen" for the generic style of the Flemish Government in Dutch.
  - "Flanders" for the generic style of the Flemish Government in a language other than Dutch.
- `lang`: the main language of the document as [RFC 5646](#) tags. style "INBO" and "Vlaanderen" require "nl" as lang. style "Flanders" uses "en" as default and can use other languages (but not "nl").
  - "nl" for Dutch
  - "en" for English
  - "fr" for French

- `codesize`: Relative size of R code compared to normal text. Defaults to `"footnotesize"`. All options going from large to small are: `"normalsize"`, `"small"`, `"footnotesize"`, `"scriptsize"`, `"tiny"`. `"normalsize"` implies the same size as normal text.

### Formatting author information

Quotes are required when a part contains spaces. If the author doesn't have an ORCID, you can omit that line. However, note that the INBO policy is that all scientific personnel is required to obtain an ORCID from <https://orcid.org>. Add `corresponding: true` to the corresponding author.

```
- name:
  given: "Authors first name"
  family: "Authors last name"
  email: "local-part@domain.com"
  orcid: 0000-0002-1825-0097
  corresponding: true
```

### Available YAML headers options specific for slides

- `location`: optional text placed on the title slide below the (sub)title.
- `institute`: optional text placed on the title slide below the author.
- `toc`: add a slide with the table of content. Defaults to TRUE.
- `toc_name`: slide title for the table of content. Defaults to `Overzicht` when missing.
- `cover_photo`: the relative path to the image you want on the cover. When missing, you get a default picture.
- `cover_horizontal`: When omitted, scale the `cover_photo` so that it covers the full page vertically. When set to any value but FALSE or empty, scale the `cover_photo` so that it covers the full page horizontally.
- `cover_offset`: A measurement like 8mm or -1.5cm. Positive values move the `cover_photo` upwards on the title slide. Negative values move the `cover_photo` downwards.
- `cover_hoffset`: Similar as `cover_offset` but moves `cover_photo` horizontally. Positive values move it to the right, negative values to the left.
- `aspect`: the required aspect ratio for the slides. Defaults to "16:9". See the section below for a list of the available aspect ratios.
- `fontsize`: Size of the normal text on the slides. Other elements are scaled accordingly. Defaults to "11pt". See the section *Aspect\_ratio* for more details.
- `website`: URL in the sidebar. Defaults to `vlaanderen.be/inbo`.

### Aspect ratio

The table below lists the available aspect ratios and their "paper size". The main advantage of using a small "paper size" is that you can use all your normal fonts at their natural sizes. E.g. an 11pt font on a slide is as readable as an 11pt font on a A4 paper.

aspect	ratio	width	height
16:9	1.78	160.0 mm	90 mm

16:10	1.60	160.0 mm	100 mm
14:9	1.56	140.0 mm	90 mm
3:2	1.50	135.0 mm	90 mm
1.4:1	1.41	148.5 mm	105 mm
4:3	1.33	128.0 mm	96 mm
5:4	1.25	125.0 mm	100 mm

**See Also**

Other output: [epub\\_book\(\)](#), [gitbook\(\)](#), [minutes\(\)](#), [mission\(\)](#), [pdf\\_report\(\)](#), [poster\(\)](#), [slides\(\)](#)

---

insert_block	<i>Insert a markdown block These functions will add template chunks into your .Rmd file. A markdown block will be display as a frame with a title in a different background. There are 3 types of blocks: "block", "exampleblock" and "alertblock".</i>
--------------	---

---

**Description**

Insert a markdown block These functions will add template chunks into your .Rmd file. A markdown block will be display as a frame with a title in a different background. There are 3 types of blocks: "block", "exampleblock" and "alertblock".

**Usage**

```
insert_block()
```

```
insert_exampleblock()
```

```
insert_alertblock()
```

---

kolom_breedte	<i>Deprecated functions</i>
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---

**Description**

old function	new function
inbo_ebook()	epub_book()
inbo_handouts()	handouts()
inbo_poster()	poster()
inbo_rapport()	pdf_report()
inbo_rapport_css()	report_template()
inbo_slides()	slides()

```
inbo_verslag()    minutes()
report()         pdf_report()
```

## Usage

```
kolom_breedte(aantal = 3, marge = 20, witruimte = 10)

kolom_start(aantal = 3, start = 1, marge = 20, witruimte = 10)

ebook()

inbo_ebook()

inbo_handouts(
  toc = TRUE,
  nup = c("8", "1", "1plus", "2", "3", "3plus", "4", "4plus", "6"),
  ...
)

inbo_rapport_css(format = "html")

inbo_verslag(
  present = "",
  absent = "",
  chair = "",
  floatbarrier = c(NA, "section", "subsection", "subsubsection"),
  includes = NULL,
  codesize = c("footnotesize", "scriptsize", "tiny", "small", "normalsize"),
  lang = "dutch",
  keep_tex = FALSE,
  fig_crop = TRUE,
  pandoc_args = NULL,
  ...
)

inbo_zending(
  conference,
  conferencedate,
  conferenceplace,
  website = "",
  reportdate,
  colleagues = "",
  floatbarrier = c(NA, "section", "subsection", "subsubsection"),
  includes = NULL,
  codesize = c("footnotesize", "scriptsize", "tiny", "small", "normalsize"),
```

```

    lang = "dutch",
    keep_tex = FALSE,
    fig_crop = TRUE,
    pandoc_args = NULL,
    ...
)

inbo_rapport(fig_crop = "auto", includes = NULL, pandoc_args = NULL, ...)

report(fig_crop = "auto", includes = NULL, pandoc_args = NULL, ...)

inbo_poster(
  subtitle,
  codesize = c("footnotesize", "scriptsize", "tiny", "small", "normalsize"),
  lang = "english",
  email = "info@inbo.be",
  keep_tex = FALSE,
  fig_crop = TRUE,
  includes = NULL,
  pandoc_args = NULL,
  ...
)

inbo_slides(toc = TRUE, ...)

```

## Arguments

aantal	The desired number of columns with equal width.
marge	the horizontal distance between columns in mm.
witruimte	the width of the whitespace edge around the poster in mm.
start	the number of the column
toc	display a table of content after the title slide
nup	Number of slides on a page. Defaults to 8. The 'plus' layouts leave blank space for recipients to make handwritten notes next to each slide. Note that the 2, 3plus, 4 and 6 layouts are intended for slides in the 4:3 aspect ratio, while the 3, 4plus and 8 layouts are intended for widescreen slides like the 16:10 aspect ratio.
...	currently ignored
format	defunct
present	names of all persons who attended the meeting
absent	names of all persons who couldn't make it
chair	chair of the meeting
floatbarrier	where to place automatic float barriers.
includes	Named list of additional content to include within the document (typically created using the <a href="#">includes</a> function).



codesize	relative font size for code
lang	main language
keep_tex	Keep the intermediate tex file used in the conversion to PDF. Note that this argument does not control whether to keep the auxiliary files (e.g., '.aux') generated by LaTeX when compiling '.tex' to '.pdf'. To keep these files, you may set <code>options(tinytex.clean = FALSE)</code> .
fig_crop	Whether to crop PDF figures with the command <code>pdftocrop</code> . This requires the tools <code>pdftocrop</code> and <code>ghostscript</code> to be installed. By default, <code>fig_crop = TRUE</code> if these two tools are available.
pandoc_args	Additional command line options to pass to <code>pandoc</code>
conference	the name of the conference or workshop
conferencedate	the date of the conference
conferenceplace	the location of the conference
website	the website of the conference
reportdate	the date of this report
colleagues	name of other colleagues attending the same conference
subtitle	An optional subtitle
email	The email address to display at the bottom. Defaults to "info@inbo.be"

---

minutes

---

*Create a minutes of a meeting with the INBO corporate identity*


---

## Description

Create a minutes of a meeting with the INBO corporate identity

## Usage

```
minutes(
  present = "",
  absent = "",
  chair = "",
  floatbarrier = c(NA, "section", "subsection", "subsubsection"),
  includes = NULL,
  codesize = c("footnotesize", "scriptsize", "tiny", "small", "normalsize"),
  lang = "dutch",
  keep_tex = FALSE,
  fig_crop = TRUE,
  pandoc_args = NULL,
  ...
)
```

**Arguments**

present	names of all persons who attended the meeting
absent	names of all persons who couldn't make it
chair	chair of the meeting
floatbarrier	where to place automatic float barriers.
includes	Named list of additional content to include within the document (typically created using the <a href="#">includes</a> function).
codesize	relative font size for code
lang	main language
keep_tex	Keep the intermediate tex file used in the conversion to PDF. Note that this argument does not control whether to keep the auxiliary files (e.g., '.aux') generated by LaTeX when compiling '.tex' to '.pdf'. To keep these files, you may set <code>options(tinytex.clean = FALSE)</code> .
fig_crop	Whether to crop PDF figures with the command <code>pdfcrop</code> . This requires the tools <code>pdfcrop</code> and <code>ghostscript</code> to be installed. By default, <code>fig_crop = TRUE</code> if these two tools are available.
pandoc_args	Additional command line options to pass to pandoc
...	extra parameters: see details

**Details**

Available extra parameters:

- hyphenation: the correct hyphenation for certain words

**See Also**

Other output: [epub\\_book\(\)](#), [gitbook\(\)](#), [handouts\(\)](#), [mission\(\)](#), [pdf\\_report\(\)](#), [poster\(\)](#), [slides\(\)](#)

---

mission

*Create a mission report with the INBO corporate identity*

---

**Description**

Create a mission report with the INBO corporate identity

**Usage**

```

mission(
  conference,
  conferencedate,
  conferenceplace,
  website = "",
  reportdate,
  colleagues = "",
  floatbarrier = c(NA, "section", "subsection", "subsubsection"),
  includes = NULL,
  codesize = c("footnotesize", "scriptsize", "tiny", "small", "normalsize"),
  lang = "dutch",
  keep_tex = FALSE,
  fig_crop = TRUE,
  pandoc_args = NULL,
  ...
)

```

**Arguments**

conference	the name of the conference or workshop
conferencedate	the date of the conference
conferenceplace	the location of the conference
website	the website of the conference
reportdate	the date of this report
colleagues	name of other colleagues attending the same conference
floatbarrier	where to place automatic float barriers.
includes	Named list of additional content to include within the document (typically created using the <a href="#">includes</a> function).
codesize	relative font size for code
lang	main language
keep_tex	Keep the intermediate tex file used in the conversion to PDF. Note that this argument does not control whether to keep the auxiliary files (e.g., '.aux') generated by LaTeX when compiling '.tex' to '.pdf'. To keep these files, you may set <code>options(tinytex.clean = FALSE)</code> .
fig_crop	Whether to crop PDF figures with the command <code>pdfcrop</code> . This requires the tools <code>pdfcrop</code> and <code>ghostscript</code> to be installed. By default, <code>fig_crop = TRUE</code> if these two tools are available.
pandoc_args	Additional command line options to pass to pandoc
...	extra parameters: see details

**Details**

Available extra parameters:

- hyphenation: the correct hyphenation for certain words

**See Also**

Other output: [epub\\_book\(\)](#), [gitbook\(\)](#), [handouts\(\)](#), [minutes\(\)](#), [pdf\\_report\(\)](#), [poster\(\)](#), [slides\(\)](#)

---

pdf_report	<i>Create a report with the Flemish corporate identity</i>
------------	--

---

**Description**

Create a report with the Flemish corporate identity

**Usage**

```
pdf_report(fig_crop = "auto", includes = NULL, pandoc_args = NULL, ...)
```

**Arguments**

fig_crop	Whether to crop PDF figures with the command pdfcrop. This requires the tools pdfcrop and ghostscript to be installed. By default, fig_crop = TRUE if these two tools are available.
includes	Named list of additional content to include within the document (typically created using the <a href="#">includes</a> function).
pandoc_args	Additional command line options to pass to pandoc
...	currently ignored

**Available YAML headers options shared among output formats**

- title: the main title
- subtitle: the optional subtitle
- author: the authors formatted as indicated in the section below.
- flandersfont: if set to TRUE, use the Flanders Art Sans font. When not set, or set to FALSE or empty, use the Calibri font.
- style: Defaults to "INBO" when missing.
  - "INBO" for the INBO style.
  - "Vlaanderen" for the generic style of the Flemish Government in Dutch.
  - "Flanders" for the generic style of the Flemish Government in a language other than Dutch.
- lang: the main language of the document as [RFC 5646](#) tags. style "INBO" and "Vlaanderen" require "nl" as lang. style "Flanders" uses "en" as default and can use other languages (but not "nl").
  - "nl" for Dutch
  - "en" for English
  - "fr" for French
- codesize: Relative size of R code compared to normal text. Defaults to "footnotesize". All options going from large to small are: "normalsize", "small", "footnotesize", "scriptsize", "tiny". "normalsize" implies the same size as normal text.

### Formatting author information

Quotes are required when a part contains spaces. If the author doesn't have an ORCID, you can omit that line. However, note that the INBO policy is that all scientific personnel is required to obtain an ORCID from <https://orcid.org>. Add `corresponding: true` to the corresponding author.

```
- name:
  given: "Authors first name"
  family: "Authors last name"
  email: "local-part@domain.com"
  orcid: 0000-0002-1825-0097
  corresponding: true
```

### Available YAML headers options specific for reports

Bold items are required when creating a public report. Omitting them results in an ugly warning in the rendered document. This is deliberate done so you can prepare the document without adding the information. But the ugly warnings nudges you to add the required information before publication.

- **public\_report**: A logical value indicating whether the report will be published or not. Setting `public_report: FALSE` will alter the colophon. Omitting `public_report` is equivalent to `public_report: TRUE`. An internal report can't have a DOI. Setting a DOI is equivalent to `public_report: TRUE`.
- **reviewer**: names of the reviewers. Use the same syntax as for the authors.
- **year**: year of publication. Used in the same places as `shortauthor`.
- **cover\_photo**: the relative path to the image you want on the cover.
- **cover\_description**: Description of the cover photo, including information on the author of the picture and license information.
- **cover**: the relative path to a pdf with the cover provided by the graphical designer. The first page of this pdf will be prepended to the pdf version of the report. It becomes the title page in the web and e-book version of the report. And also shows as a thumbnail in the floating table of content in the web version.
- **doi**: the Digital Object Identifier of the report. Used in conjunction with `shortauthor` and `year`.
- **reportnr**: Report number assigned by the INBO library.
- **ordernr**: Optional reference number specified by the client.
- **depotnr**: Report number assigned by the INBO library.
- **client**: Optionally the name, address and website of the client.
- **client\_logo**: Optionally the logo of the client. Only used when `client` is set.
- **cooperation**: Optionally the name, address and website of the organisation you collaborated with.
- **cooperation\_logo**: Optionally the logo of the collaborator. Only used when `cooperation` is set.
- **geraardsbergen**: Set this to `TRUE` to add the address of INBO Geraardsbergen to the colophon. If not set or set to `FALSE` add the address of INBO Brussels.

- watermark: an optional text to display as a watermark on the pdf or html. Note that omitting any of the required element will automatically generate a watermark with the text "DRAFT". Fill all required fields to get ride of this automatic watermark.

### Available YAML headers options specific for reports in pdf format

Bold items are required. Omitting them results in an ugly warning in the rendered document. This is deliberate done so you can prepare the document without adding the information. But the ugly warnings nudges you to add the required information before publication.

- embargo: The date at which the report is made public on the INBO website.
- print: section only required in case you need a number of printed copies. When set it requires the following sub items:
  - copies: the number of copies
  - motivation: motivate why you need printed copies as the INBO policy is to use only digital publications.
  - pages: the number of pages in the full document.
- tocdepth: which level headers to display.
  - 0: up to chapters (#)
  - 1: up to section (##) default
  - 2: up to subsection (###)
- lof: Adds a list of figures to the pdf after the table of content when set to TRUE. Omits the list of figures when missing or set to FALSE.
- lot: Adds a list of tables to the pdf after the table of content and the list of figures when set to TRUE. Omits the list of tables when missing or set to FALSE.
- hyphenation: An optional list of words with a specified hyphenation pattern. E.g. hyphenation: "fortran, ergo-no-mic" forces the word "fortran" to remain as a single word. "ergonomic" can be either the entire word, split into "ergo" and "nomic" or split into "ergono" and "mic".
- floatbarrier: A float barrier forces to place all floating figures and tables before placing the remainder of the document. You can place them manually by setting `\floatbarrier`. This option allows you to set the automatically before a heading. Defaults to NA (only float barriers before starting a new chapter #). Options are "section" (before # and ##), "subsection" (before #, ## and ###) and "subsubsection" (before #, ##, ### and ####).
- other\_lang: the other languages you want to use in the pdf version. Available options are "nl", "en" and "fr" Defaults to all available languages except the main language.

### Multiple languages in pdf

You can define some parts of the text to be in a different language than the main language (e.g. an abstract in a different language). This is currently limited to Dutch, English and French. Use `\bdutch` before and `\edutch` after the text in Dutch. Use `\benglish` before and `\eenglish` after the text in English. Use `\bfrench` before and `\efrench` after the text in French. The styles "INBO" and "Vlaanderen" have French and English as optional languages. The Flanders style has by default Dutch and French as optional languages.

Setting the language affects the hyphenation pattern and the names of items like figures, tables, table of contents, list of figures, list of tables, references, page numbers, ...

**See Also**

Other output: [epub\\_book\(\)](#), [gitbook\(\)](#), [handouts\(\)](#), [minutes\(\)](#), [mission\(\)](#), [poster\(\)](#), [slides\(\)](#)

---

 poster
 

---



---

*Create a poster with the INBO theme version 2015*


---

**Description**

Create a poster with the INBO theme version 2015

**Usage**

```
poster(
  subtitle,
  codesize = c("footnotesize", "scriptsize", "tiny", "small", "normalsize"),
  lang = "english",
  email = "info@inbo.be",
  keep_tex = FALSE,
  fig_crop = TRUE,
  includes = NULL,
  pandoc_args = NULL,
  ...
)
```

**Arguments**

subtitle	An optional subtitle
codesize	relative font size for code
lang	The language of the document. Defaults to "english".
email	The email address to display at the bottom. Defaults to "info@inbo.be"
keep_tex	Keep the intermediate tex file used in the conversion to PDF. Note that this argument does not control whether to keep the auxiliary files (e.g., '.aux') generated by LaTeX when compiling '.tex' to '.pdf'. To keep these files, you may set <code>options(tinytex.clean = FALSE)</code> .
fig_crop	TRUE to automatically apply the <code>pdfcrop</code> utility (if available) to pdf figures
includes	Named list of additional content to include within the document (typically created using the <a href="#">includes</a> function).
pandoc_args	Additional command line options to pass to pandoc.
...	extra parameters: see details

**Details**

Available extra parameters:

- `hyphenation`: the correct hyphenation for certain words
- `flandersfont`: Use the Flanders Art Sans font. Defaults to FALSE. Note that this requires the font to be present on the system.
- `ORCID`: a list of authors. For each author there must a name and an ID. The ID is the author's ORCID ID , see <https://orcid.org>. This information will be displayed with QR code at the bottom of the poster.
- `DOI`: a list of documents. For each document there must a name and an ID. The ID is the document's DOI, see <https://doi.org>. This information will be displayed with QR code at the bottom of the poster.

**See Also**

Other output: [epub\\_book\(\)](#), [gitbook\(\)](#), [handouts\(\)](#), [minutes\(\)](#), [mission\(\)](#), [pdf\\_report\(\)](#), [slides\(\)](#)

---

references

*Insert references at this position*

---

**Description**

Insert references at this position

**Usage**

```
references(appendix = FALSE, part = FALSE)
```

**Arguments**

<code>appendix</code>	Chapters after the references become the appendix.
<code>part</code>	Include the appendix as a part (level 0) heading. Only relevant for pdf output.

**See Also**

Other utils: [add\\_author\(\)](#), [add\\_report\\_numbers\(\)](#), [check\\_dependencies\(\)](#), [column\\_start\(\)](#), [column\\_width\(\)](#), [cover\\_info\(\)](#), [create\\_report\(\)](#), [dyn\\_table\(\)](#), [render\\_natbib\(\)](#), [validate\\_doi\(\)](#)



---

render_natbib	<i>Render a Markdown file with natbib bibliography</i>
---------------	--

---

### Description

Render a Markdown file with natbib bibliography

### Usage

```
render_natbib(
  file,
  path = ".",
  encoding = "UTF-8",
  engine = c("xelatex", "pdflatex"),
  display = TRUE,
  keep = c("none", "all", "tex"),
  clean = TRUE
)
```

### Arguments

file	the name of the Rmd file.
path	the path of the Rmd file.
encoding	the encoding of the Rmd file. Default to 'UTF-8'.
engine	the LaTeX engine the compile the document. Defaults to "xelatex".
display	open the pdf in a reader. Defaults to TRUE.
keep	keep intermediate files after successful compilation. Defaults to "none".
clean	TRUE to clean intermediate files created during rendering of the R markdown into tex.

### See Also

Other utils: [add\\_author\(\)](#), [add\\_report\\_numbers\(\)](#), [check\\_dependencies\(\)](#), [column\\_start\(\)](#), [column\\_width\(\)](#), [cover\\_info\(\)](#), [create\\_report\(\)](#), [dyn\\_table\(\)](#), [references\(\)](#), [validate\\_doi\(\)](#)

---

slides	<i>pdf slides with an INBO or Flanders theme</i>
--------	--

---

### Description

Returns an output format for [bookdown::render\\_book\(\)](#).

**Usage**

```
slides(toc = TRUE, ...)
```

**Arguments**

toc	display a table of content after the title slide
...	currently ignored

**Available YAML headers options shared among output formats**

- title: the main title
- subtitle: the optional subtitle
- author: the authors formatted as indicated in the section below.
- flandersfont: if set to TRUE, use the Flanders Art Sans font. When not set, or set to FALSE or empty, use the Calibri font.
- style: Defaults to "INBO" when missing.
  - "INBO" for the INBO style.
  - "Vlaanderen" for the generic style of the Flemish Government in Dutch.
  - "Flanders" for the generic style of the Flemish Government in a language other than Dutch.
- lang: the main language of the document as [RFC 5646](#) tags. style "INBO" and "Vlaanderen" require "nl" as lang. style "Flanders" uses "en" as default and can use other languages (but not "nl").
  - "nl" for Dutch
  - "en" for English
  - "fr" for French
- codesize: Relative size of R code compared to normal text. Defaults to "footnotesize". All options going from large to small are: "normalsize", "small", "footnotesize", "scriptsize", "tiny". "normalsize" implies the same size as normal text.

**Formatting author information**

Quotes are required when a part contains spaces. If the author doesn't have an ORCID, you can omit that line. However, note that the INBO policy is that all scientific personnel is required to obtain an ORCID from <https://orcid.org>. Add `corresponding: true` to the corresponding author.

```
- name:
  given: "Authors first name"
  family: "Authors last name"
  email: "local-part@domain.com"
  orcid: 0000-0002-1825-0097
  corresponding: true
```

### Available YAML headers options specific for slides

- `location`: optional text placed on the title slide below the (sub)title.
- `institute`: optional text placed on the title slide below the author.
- `toc`: add a slide with the table of content. Defaults to TRUE.
- `toc_name`: slide title for the table of content. Defaults to `Overzicht` when missing.
- `cover_photo`: the relative path to the image you want on the cover. When missing, you get a default picture.
- `cover_horizontal`: When omitted, scale the `cover_photo` so that it covers the full page vertically. When set to any value but FALSE or empty, scale the `cover_photo` so that it covers the full page horizontally.
- `cover_offset`: A measurement like 8mm or -1.5cm. Positive values move the `cover_photo` upwards on the title slide. Negative values move the `cover_photo` downwards.
- `cover_hoffset`: Similar as `cover_offset` but moves `cover_photo` horizontally. Positive values move it to the right, negative values to the left.
- `aspect`: the required aspect ratio for the slides. Defaults to "16:9". See the section below for a list of the available aspect ratios.
- `fontsize`: Size of the normal text on the slides. Other elements are scaled accordingly. Defaults to "11pt". See the section *Aspect\_ratio* for more details.
- `website`: URL in the sidebar. Defaults to `vlaanderen.be/inbo`.

### Aspect ratio

The table below lists the available aspect ratios and their "paper size". The main advantage of using a small "paper size" is that you can use all your normal fonts at their natural sizes. E.g. an 11pt font on a slide is as readable as an 11pt font on a A4 paper.

aspect	ratio	width	height
16:9	1.78	160.0 mm	90 mm
16:10	1.60	160.0 mm	100 mm
14:9	1.56	140.0 mm	90 mm
3:2	1.50	135.0 mm	90 mm
1.4:1	1.41	148.5 mm	105 mm
4:3	1.33	128.0 mm	96 mm
5:4	1.25	125.0 mm	100 mm

### See Also

Other output: [epub\\_book\(\)](#), [gitbook\(\)](#), [handouts\(\)](#), [minutes\(\)](#), [mission\(\)](#), [pdf\\_report\(\)](#), [poster\(\)](#)

---

`validate_doi`*validate a DOI*

---

**Description**

Checks the format of a DOI. The format must obey [https://www.doi.org/doi\\_handbook/2\\_Numbering.html#2.2](https://www.doi.org/doi_handbook/2_Numbering.html#2.2). The DOI should be the minimal version. Hence no `doi:`, `https://doi.org` or other prefixes. An example of a minimal version is `10.21436/inbor.70809860`. The part before the forward slash consists of two or three sets of digits separated by a dot. E.g. `10.21436` or `10.21436.1`. The part after the forward slash consists either of only digits or of two sets of any character separated by a dot.

**Usage**

```
validate_doi(doi)
```

**Arguments**

`doi` a string containing the DOI.

**See Also**

Other utils: [add\\_author\(\)](#), [add\\_report\\_numbers\(\)](#), [check\\_dependencies\(\)](#), [column\\_start\(\)](#), [column\\_width\(\)](#), [cover\\_info\(\)](#), [create\\_report\(\)](#), [dyn\\_table\(\)](#), [references\(\)](#), [render\\_natbib\(\)](#)

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