



IMT Mines Albi-Carmaux
École Mines-Télécom

Example of presentation

using **Mines-Albi**, a theme for **beamer**

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Part 1

Introduction

Part 1

Introduction

1 Goals

- General purpose
- Examples

2 Another section



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General purpose

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The goal of this presentation is twofold:

- 1 Serve as an example of use of theme `mines-albi-2014` for `beamer`.
- 2 Serve as an example of use of `beamer`.

That is why its content is mixed: sometimes *illustrative* and sometimes *informative*!

- Some contents have no interest as such. We must therefore watch source of this presentation file for inspiration.
- Some features are specific to the [mine-albi-2014](#) theme and therefore have no interest for beamer in general.

The Beginning

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Example document using mines-albi-2014 theme

```
\documentclass[10pt]{beamer}
\usepackage[utf8]{inputenc}
\usepackage[T1]{fontenc}
\usepackage{lmodern}
\usepackage[english]{babel}
\usetheme{mines-albi-2014}

\institute[Mines Albi]{Mines Albi}
\title[Short Title]{Long Title}
\author[Firstname Lastname]{Firstname Lastname}
\date{\today}

\begin{document}
\maketitle
\begin{frame}
  \frametitle{Frame Title}
  ...Content...
\end{frame}
\end{document}
```

Files to copy

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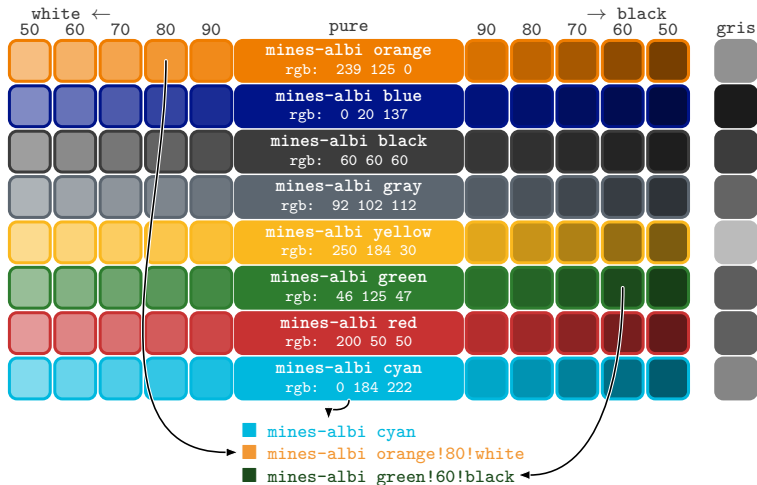
Here is the list of files to copy to use `mines-albi-2014` theme:

- the definitions of all colors: `color-mines-albi-2014.sty`,
- two files for beamer: `beamercolorthememines-albi-2014.sty`
and `beamerthememines-albi-2014.sty`,
- the Mines Albi logo : `logo-mines-albi-couleur.pdf`.

Note : these three files are embedded in this PDF document.

Color examples

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How to choose fonts

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- A **beamer** document uses three fonts :
 - A **serif** font,
 - A **sans-serif** font,
 - A **monospace** font (code)
- The default font theme uses the default sans serif font for all text of the presentation and a monospace font for code.
- The following line in your preamble causes all text to be typeset using the default serif font.

```
\usefonttheme{serif}
```

Note: you may use options to mix serif and sans-serif fonts. See p.192 of **beamer** manual.

How to choose a family of fonts

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Here is some families of fonts with the code to add in preamble.

Latin Modern

```
\usepackage{lmodern}
```

(Note: no bold italic monospace.)

The **quick brown** fox jumps over the lazy *dog*.
The **quick brown** fox jumps over the lazy *dog*.
The quick *brown* fox jumps over the lazy *dog*.

Kp-Fonts

```
\usepackage{kpfonts}
```

The **quick brown** fox jumps over the lazy *dog*.
The **quick brown** fox jumps over the lazy *dog*.
The quick *brown* fox jumps over the lazy *dog*.

Adobe Source

```
\usepackage[rmdefault]{sourceserifpro}  
\usepackage[sfdefault]{sourcesanspro}  
\usepackage[ttdefault]{sourcecodepro}
```

(Note: no italic serif.)

The **quick brown** fox jumps over the lazy *dog*.
The **quick brown** fox jumps over the lazy *dog*.
The **quick brown** fox jumps over the lazy *dog*.

Times, Helvetica, Courier

```
\usepackage{mathptmx}  
\usepackage[scaled=.92]{helvet}  
\usepackage{courier}
```

The **quick brown** fox jumps over the lazy *dog*.
The **quick brown** fox jumps over the lazy *dog*.
The **quick brown** fox jumps over the lazy *dog*.

Arev Sans, BitStream Vera

```
\usepackage{arev}
```

(Note: no serif font.)

The **quick brown** fox jumps over the lazy *dog*.
The **quick brown** fox jumps over the lazy *dog*.
The **quick brown** fox jumps over the lazy *dog*.

Example of table

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	Dishclothes	Napkins	Tableclothes
<i>in stock</i>			
Red	23	45	<i>n.c.</i>
Green	12	109	12
Checked	—	—	17
<i>to order</i>			
Red	100	20	10
Green	20	10	10
Checked	—	—	—

données 2014

Text sizes ?

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`\Huge` Sample

`\huge` Sample

`\LARGE` Sample

`\Large` Sample

`\large` Sample

`\normalsize` Sample

`\small` Sample

`\footnotesize` Sample

`\scriptsize` Sample

`\semitiny`¹ Sample

`\tiny` Sample

`\Tiny` Sample

`\TINY` Sample

¹(not provided by *beamer*)

Progressive display

Is it really useful?

13_a/28

- Content that appear gradually:

- 1 fist (item via implicit `\uncover`)
- 2 second (item via explicit `\uncover`)

- You will also notice the difference between `\uncover`, `\visible` and `\only`.

Progressive display

Is it really useful?

13_b/28

- Content that appear gradually:

- 1 fist (item via implicit `\uncover`)
- 2 second (item via explicit `\uncover`)

- You will also notice the difference between `\uncover`, `\visible` and `\only`.

Progressive display

Is it really useful?

13_c/28

- Content that appear gradually:

- 1 fist (item via implicit `\uncover`)
- 2 second (item via explicit `\uncover`)

■ You will also notice the difference between `\uncover`, `\visible` and `\only`.

Progressive display

Is it really useful?

13_d/28

- Content that appear gradually:
 - 1 fist (item via implicit `\uncover`)
 - 2 second (item via explicit `\uncover`)
 - 3 third (item via `\visible`)
- You will also notice the difference between `\uncover`, `\visible` and `\only`.

Progressive display

Is it really useful?

13_e/28

- Content that appear gradually:
 - 1 fist (item via implicit `\uncover`)
 - 2 second (item via explicit `\uncover`)
 - 3 third (item via `\visible`)
- Notice that the pagination does not move...
- You will also notice the difference between `\uncover`, `\visible` and `\only`.

Progressive display

Is it really useful?

13f/28

- Content that appear gradually:
 - 1 fist (item via implicit `\uncover`)
 - 2 second (item via explicit `\uncover`)
 - 3 third (item via `\visible`)
- Notice that the pagination does not move...
- You will also notice the difference between `\uncover`, `\visible` and `\only`.

Progressive display

Is it really useful?

13_g/28

- Content that appear gradually:
 - 1 fist (item via implicit `\uncover`)
 - 2 second (item via explicit `\uncover`)
 - 3 third (item via `\visible`)
- Notice that the pagination does not move...
- You will also notice the difference between `\uncover`, `\visible` and `\only`.
- Did you see it ?

margin
note

Progressive display

Is it really useful?

13h/28

- Content that appear gradually:
 - 1 fist (item via implicit `\uncover`)
 - 2 second (item via explicit `\uncover`)
 - 3 third (item via `\visible`)
- Notice that the pagination does not move...
- You will also notice the difference between `\uncover`, `\visible` and `\only`.
- Did you see it ?
- Item via `\only`...

margin
note

A frame with large content

Usage of `largecontent` environment

14/28

```
\begin{largecontent}  
... content ...  
\end{largecontent}
```

- 1 Sed feugiat. Cum sociis natoque penatibus et magnis dis parturient montes, **nascetur ridiculus mus**. Ut pellentesque augue sed urna. Vestibulum diam eros, fringilla et, consectetur eu, nonummy id, sapien.
- 2 Maecenas sapien libero, molestie et, lobortis in, sodales eget, dui. Morbi ultrices rutrum lorem. Nam elementum ullamcorper leo.
 - Sed feugiat. Cum sociis natoque penatibus et magnis dis parturient montes, **nascetur ridiculus mus**. Ut pellentesque augue sed urna. Vestibulum diam eros, fringilla et, consectetur eu, nonummy id, sapien.
 - Maecenas sapien libero, molestie et, lobortis in, sodales eget, dui. Morbi ultrices rutrum lorem. Nam elementum ullamcorper leo.

Part 1

Introduction

1 Goals

2 Another section



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A very long title to test the current theme (or how to make a multi line title)

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With a subtitle!

- Sed feugiat. Cum sociis natoque penatibus et magnis dis parturient montes, **nascetur ridiculus mus**. Ut pellentesque augue sed urna. Vestibulum diam eros, fringilla et, consectetur eu, nonummy id, sapien. Nullam at lectus. In sagittis ultrices mauris. Curabitur malesuada erat sit amet massa. Fusce blandit. Aliquam erat volutpat. Aliquam euismod. Aenean vel lectus. Nunc imperdiet justo nec dolor.
- Suspendisse vitae elit. Aliquam arcu neque, ornare in, ullamcorper quis, commodo eu, libero. Fusce sagittis erat at erat tristique mollis. Maecenas sapien libero, molestie et, lobortis in, sodales eget, dui. Morbi ultrices rutrum lorem. Nam elementum ullamcorper leo. Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat.

Frame too long !

;-)

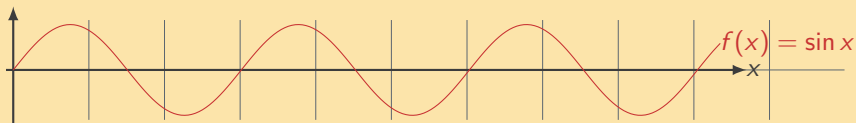
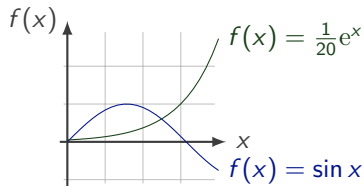
Overflows ?

A very long title to test the current theme (or how to make a multi line title) - 2

17/28

A frame with `plain` option

- 1 Maecenas sapien libero, molestie et, lobortis in, sodales eget, dui.
Morbi ultrices rutrum lorem. Nam elementum ullamcorper leo.
Morbi dui. Aliquam sagittis. Nunc placerat. Pellentesque tristique sodales est. Maecenas imperdiet lacinia velit. Cras non urna.
- 2 Two pictures :



Some blocks...

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Title (block)

Content...

Title (alertblock)

Content...

Title (exampleblock)

Content...

Some blocks... with custom colors

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```
\setbeamercolor{block title}{bg=mines-albi orange,fg=white}  
\setbeamercolor{block body}{bg=mines-albi orange!10,fg=mines-albi black}  
  
\setbeamercolor{block title alerted}{bg=mines-albi gray,fg=white}  
\setbeamercolor{block body alerted}{bg=mines-albi black!10,fg=mines-albi black}  
  
\setbeamercolor{block title example}{bg=mines-albi blue,fg=white}  
\setbeamercolor{block body example}{bg=mines-albi blue!10,fg=mines-albi black}
```

Title (block)

Content...

Title (alertblock)

Content...

Title (exampleblock)

Content

Example of description

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First word ...definition...

Another word Suspendisse vitae elit. Aliquam arcu neque, ornare in, ullamcorper quis, commodo eu, libero. Fusce sagittis erat at erat tristique mollis. Maecenas sapien libero, molestie et, lobortis in, sodales eget, dui.

Very long expression ...definition...

External graphics: EPS, PDF or PNG/JPG With two columns

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Without TikZ



With TikZ

Example of description (large content)

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First word ...definition...

Another word Suspendisse vitae elit. Aliquam arcu neque, ornare in, ullamcorper quis, commodo eu, libero. Fusce sagittis erat at erat tristique mollis. Maecenas sapien libero, molestie et, lobortis in, sodales eget, dui.

Very long expression ...definition...

A system of equations lost here:

$$E = mc^2$$
$$e^{i\pi} = -1$$

Two columns in a largecontent environment

23/28

First block

Nullam eleifend justo in nisl. In hac habitasse platea dictumst. Morbi nonummy. Aliquam ut felis. In velit leo, dictum vitae, posuere id, vulputate nec, ante. Maecenas vitae pede nec dui dignissim suscipit. Morbi magna. Vestibulum id purus eget velit laoreet laoreet. Praesent sed leo vel nibh convallis blandit. Ut rutrum. Donec nibh. Donec interdum. Fusce sed pede sit amet elit rhoncus ultrices. Nullam at enim vitae pede vehicula iaculis.

Second block

Curabitur tellus magna, porttitor a, commodo a, commodo in, tortor. Donec interdum. Praesent scelerisque. Maecenas posuere sodales odio. Vivamus metus lacus, varius quis, imperdiet quis, rhoncus a, turpis. Etiam ligula arcu, elementum a, venenatis quis, sollicitudin sed, metus. Donec nunc pede, tincidunt in, venenatis vitae, faucibus vel, nibh. Pellentesque wisi. Nullam malesuada. Morbi ut tellus ut pede tincidunt porta. Lorem ipsum dolor sit amet, consectetur adipiscing elit. Etiam congue neque id dolor.

How to use custom logos

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- To change the used logos, you must call the `\defminesalbilogo` macro with a comma separated list of pairs `logo/width` :
 - 1 logo file name (without extension),
 - 2 preferred width of this logo.
- Here is an example for the current frame

```
\defminesalbilogo{  
  logo-imt-mines-albi-couleur/6mm,  
  universite-federale-de-toulouse-logo/4mm,  
  IMT_logo_RVB/6mm  
}
```

Title page with logos

25/28

- You can't change the Mines-Albi logo on the title page.
- You can add other logos on the title page via the `\titlegraphic` macro.
- Here is an example (result on next frame):

```
\titlegraphic{%  
  \hfill  
  \includegraphics[width=20mm]{logo-mines-albi-couleur}  
  \hfill  
  \includegraphics[width=20mm]{logo-mines-telecom}  
  \hfill\null  
}  
\begin{frame}[plain]  
  \maketitle  
\end{frame}
```




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Example of title page

with added logos

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February 2017



Part 2

Conclusion

Thanks for your attention!

Questions ?