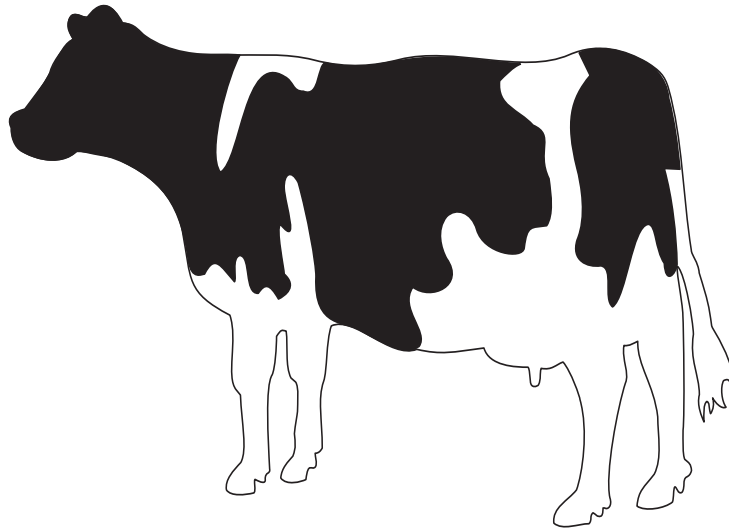


COW



C



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W



C

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W



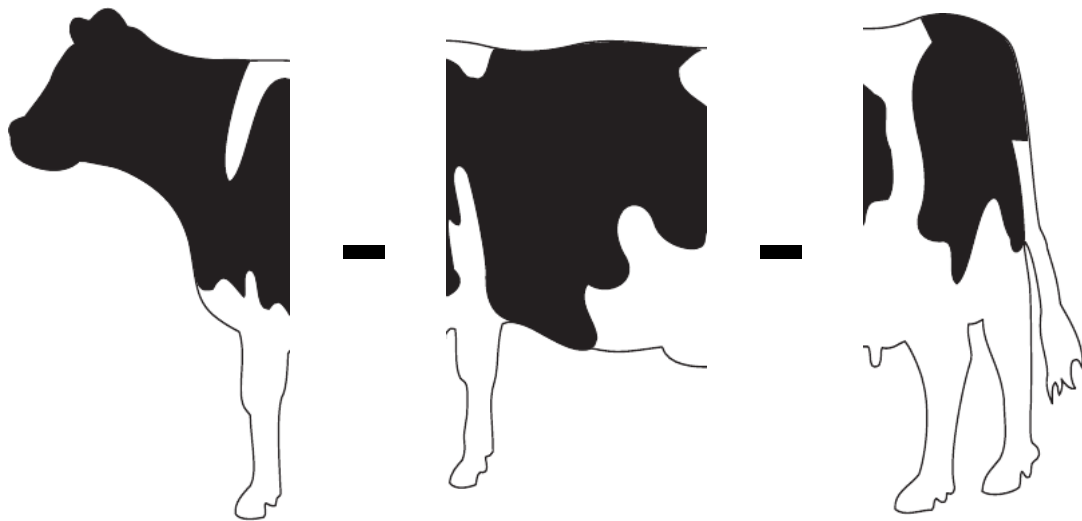
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ConTEXt - On - Web



C-O-W: Welcome at

`context-on-web.eu`

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Bach_oT_EX

April 29 – May 2, 2023

This paper introduces a new web application for convenient use of the ConT_EXt typographic system. Its mission is to make the ConT_EXt typographic system accessible to a wider range of users without having to install the software on their own computer. See `context-on-web.eu`.

The technologies used and the structure of the application will be described, in particular the interface with the editor and the various tools to facilitate the creation of document, such as designers for the layout, tables, lists, etc. The application generates and displays the PDF document.

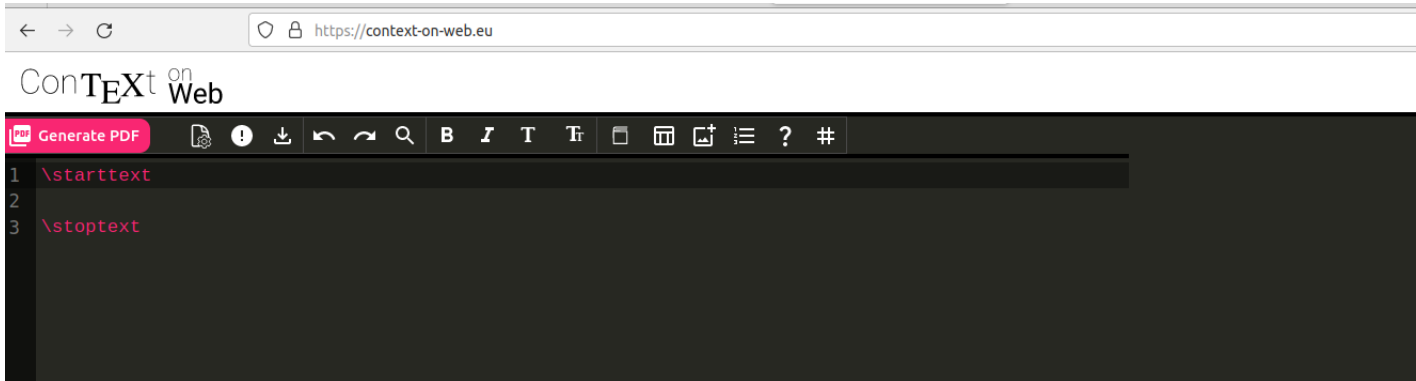
Thanks to the aforementioned features and the intuitive controls, the application becomes a user-friendly platform that can make learning ConT_EXt easy.

- **promotion of ConT_EXt**
- **simplifying the first steps for beginners**
- **use ConT_EXt at lessons**
- **testing snippets**
- **remote generating PDFs (for case of being ‘on the road’)**

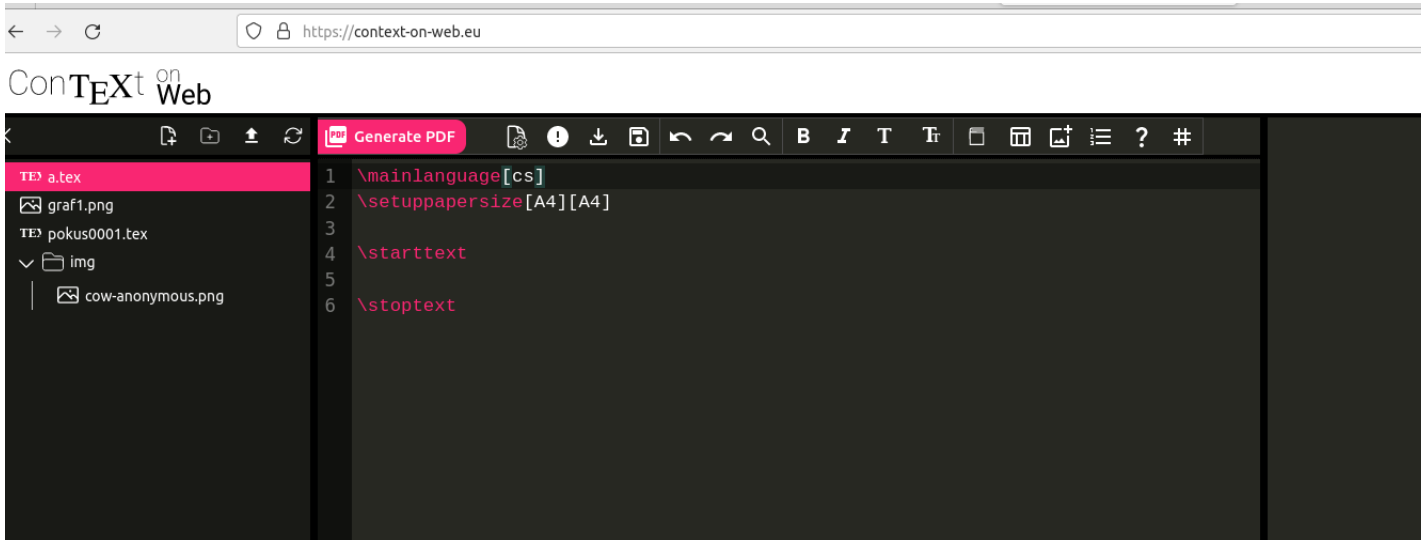
- **TeXonWeb**
 - + **file management, some tools (table designer etc.)**
 - **1. ConTeXt not supported**
 - 2. manual download of PDFs**
 - 3. no further development**
- **Overleaf**
 - + **wide repertoire of functions**
 - **1. ConTeXt not supported (but it is possible to hack it)**
 - 2. a part of it is paid**
- **Visual Studio Code**
 - + **frequently used \Rightarrow known**
 - **offline**
- **ConTeXt online**
 - + **reference compilation?**
 - **1. no user friendly functions**
 - 2. no file management \Rightarrow only for simple testing(?)**

- **Next.js**
- **Supabase (authentication, each project: PostgreSQL database)**
- **CodeMirror (editor, syntax)**
- **REACT-PDF**
- **Cloud (now at Czech company Hukot)**

Mode for anonymous users



Mode for registered users



The screenshot shows a web browser window with the address bar displaying `https://context-on-web.eu`. The page title is "ConTeXt on Web". The interface features a dark-themed editor with a file explorer on the left and a code editor on the right. The file explorer shows a list of files: `a.tex` (selected), `graf1.png`, `pokus0001.tex`, and a folder named `img` containing `cow-anonymous.png`. The code editor displays the following LaTeX code:

```
1 \mainlanguage[cs]
2 \setuppapersize[A4][A4]
3
4 \starttext
5
6 \stoptext
```

The editor includes a toolbar with various icons, including a prominent pink "Generate PDF" button. The code editor also has a line numbering system on the left side of the text area.

- **Top panel (language)**
- **List of files, directories (+ panel with tools)**
- **Editor with editing tools panel**
- **Viewer's window**
- **Bottom panel (reports)**

Documentation → Help + Suggestions

```
<cd:command category="structure" file="strc-flt.mkvi"  
             level="style" name="definefloat">  
<cd:arguments>  
  <cd:keywords>  
    <cd:constant type="cd:singular"/>  
  </cd:keywords>  
  <cd:keywords optional="yes">  
    <cd:constant type="cd:singular"/>  
    <cd:constant type="cd:plural"/>  
  </cd:keywords>  
  <cd:assignments list="yes" optional="yes">  
    <cd:inherit name="setupfloat"/>  
  </cd:assignments>  
</cd:arguments>
```

```
<cd:instances>  
  <cd:constant value="chemical"/>  
  <cd:constant value="figure"/>  
  <cd:constant value="table"/>  
  <cd:constant value="intermezzo"/>  
  <cd:constant value="graphic"/>  
</cd:instances>  
</cd:command>
```

- `()`, `[]`, `{}`
- **designers for the layout, tables, lists, etc.**
- **indexing cells in tables**
- ...

- **rounding values**
- **list of languages (all→real)**
- **to kill the running rendering process**
- **to find the cow... ;-)**
- **versions: update and selection**
- **colours**
- ...
-

(neverending process...)

- **available on the site**
- **three runs of testing on beginners incl. foreign students**
- **questionnaire for the feedback**
- **all comments have been incorporated**

- **then: announced in ntg-context mailing list**
- **positive response**

- **brief documentation available in Czech + English**

is welcome!

C-O-W: Welcome at

context-on-web.eu

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BachTeX

April 29 – May 2, 2023