



# UPDATE ON **DRUPAL** MIGRATION

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# TIMETABLE

## Nov 2015: Drupal 8 release date

- Symfony 3
- TWIG
- Views, WYSIWYG Editor, various field types

## Nov 2018: CERN first Drupal 8 website



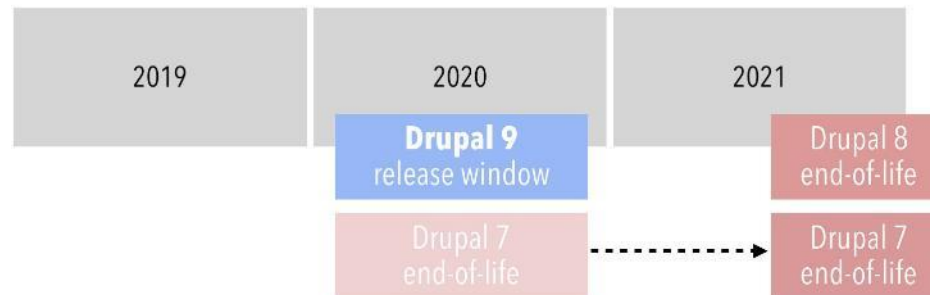
# TIMETABLE

**Summer 2020:** Drupal 7 EOL at CERN

- EOL of the Drupal 7 infrastructure November 2020

**Nov 2021:** Drupal 7 **AND** Drupal 8 EOL  
by the Drupal community

**June 2020:** Drupal 9 release date



# Migration to Drupal 9 should be easy.

As long as modules and themes stay up-to-date with the latest Drupal 8 APIs.

**Dries Buytaert,**

founder and project lead of Drupal



# Migrate to Drupal 8

Small websites ( < 10 pages )

## Start from a blank site or use the **Easy start** template

### Resources

While working with Drupal at CERN, the following resources should be your best friends.

- **Drupal Community:** Join the e-group of Drupal Community to receive informative emails regarding news of the themes and modules of CERN. You will also receive invitations for the regular **Hack Meetings**.
- **Drupal Community Forum:** Do you have a question or a suggestion concerning your Drupal website? You can post it in the forum and the Drupal community of CERN will respond as soon as possible. The Drupal Community Forum is the suggested way to ask questions regarding Drupal, as it helps with knowledge transfer since your questions and the answers will be visible to everyone and encourages knowledge transfer.
- **Webtools website:** This includes official documentation for the **themes, modules, how-to articles, FAQs** as well as a guide for Drupal beginners.

In order to remove this block from the front page, navigate to the [Block Layout](#) and either Disable or Remove.

SEARCH TITLE

THURSDAY

**24OCT/19**

11:00 - 12:00 (Europe/Zurich)

**The real costs of Open Source Sustainability**

Event

SUNDAY

**20OCT/19**

18:00 (America/Mexico\_City)

**ENDS: 25 October, 2019**

**Symposium Artificial Intelligence for Science, Industry and Society**

Event

SUNDAY

**20OCT/19**

18:00 (America/Mexico\_City)

**ENDS: 25 October, 2019**

**Symposium Artificial Intelligence for Science, Industry and Society**

Event

### USEFUL LINKS

Topic

Apply

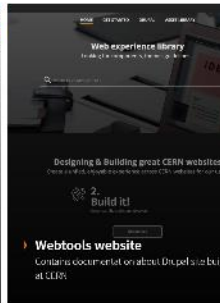
Tag

Date from

gg/mm/yyyy

Date to

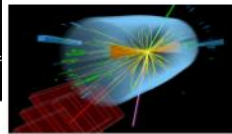
gg/mm/yyyy



### Croatia becomes an Associate Member of CERN

CERN welcomes the Republic of Croatia as an Associate Member state

At CERN | 10 October, 2019



### Run top quark run

The CMS collaboration has measured for the first time the variation, or 'fluctuation', of the top-quark mass

Physics | 07 October, 2019



### Infectious enthusiasm at the Open Days

75 000 visitors discovered hundreds of activities on nine CERN sites over the weekend

At CERN | 16 September, 2019



# Migrate to Drupal 8

Bigger or complex websites

Request from the [Drupal Infrastructure team](#) to start the migration on a Drupal 8 development site

## Retouch the Drupal 8 development site

[Publish](#) your Drupal 8 development site under the original name.



# Retouch process

Manually redo all the **views**

**Replace** blocks in the new template regions  
and/or **create** new custom blocks

Take the **chance to review** the website structure

Get rid of unused content, add new content types, review Drupal 7 modules,  
polish menus, add or remove vocabularies and taxonomy terms

**Try** to be **consistent** with the look of the  
main website home.cern

# Styling Options



CERN Theme ( 2.5.0 )

Basic personalization

Use of CERN Display Modes

Will be ported to Drupal 9



CERN Override Theme ( 2.0.3 )

Full CSS/JS personalization

More info: [webtools.web.cern.ch](http://webtools.web.cern.ch)



# Styling Options

For further customization  
override **TWIG** templates

## Bootstrap

template/layouts/page.html.twig

```
{% if display_submitted %}
<footer>
  {{ author_picture }}
  <div{{ author_attributes.addClass('author') }}>
    {% trans %}Submitted by {{ author_name }} on {{ date }}
    {{ metadata }}
  </div>
</footer>
{% endif %}
```

## CERN

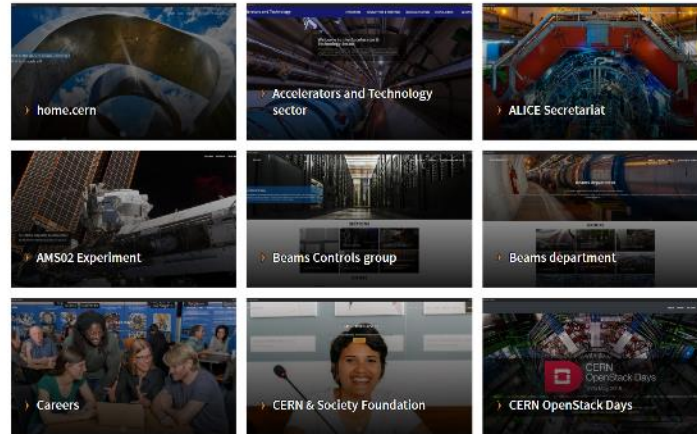
template/layouts/page.html.twig

```
{% if page.contentfooter is not empty %}
  {% set attributescf = create_attribute() %}
  <div class="content-footer-wrapper">
    <div{{ attributescf.addClass(contentfooterclasses) }}>
      <div class="col-md-12 content-footer-container">
        {{ page.contentfooter }}
      </div>
    </div>
  </div>
{% endif %}
```

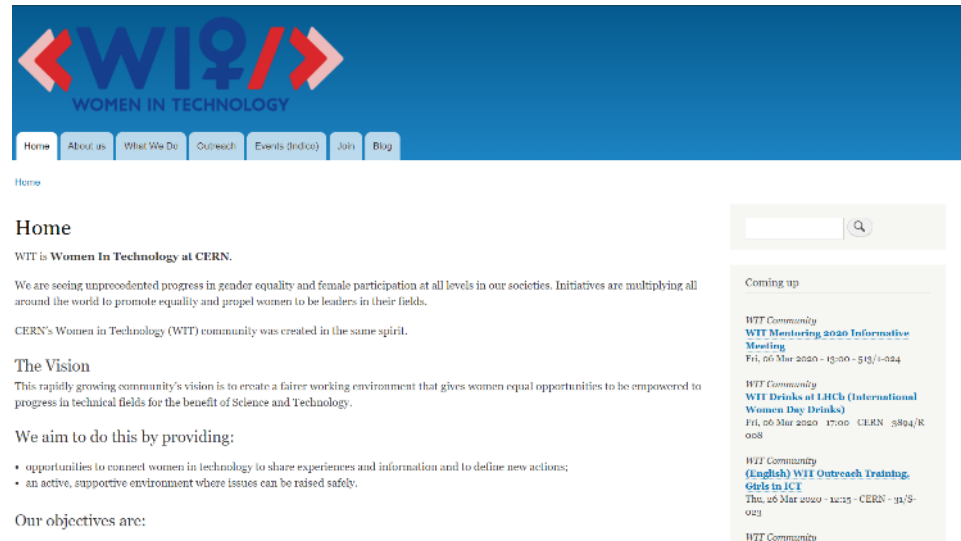
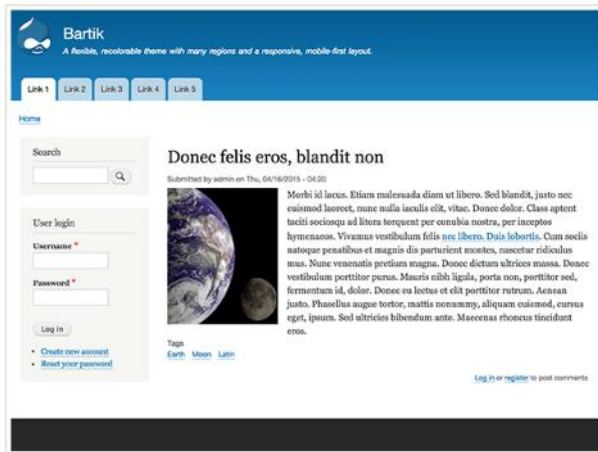
# Styling Options

Get inspired by Drupal 8 websites already in production:

## Drupal Showcase



## Bartik Theme ( 8.8.1 )



# Use a different technolog

## Static HTML version

Web@30 1989 - 2019

Home Web History Register Sponsors About Partners MyWeb@30 Home Twitter Contact Help

### 30th Anniversary of the World Wide Web

30th Anniversary of the World Wide Web (noyab)

Suppose all the information stored on computers everywhere were linked. Suppose I could program my computer to create a space in which everything could be linked to everything.

Sir Tim Berners-Lee, inventor of the World Wide Web

In 1989 the world's largest physics laboratory, CERN, was a hive of ideas and information stored on multiple incompatible computers. Sir Tim Berners-Lee invented a unifying structure for linking information across different computers, and wrote a proposal in March 1989 called "Information Management: A Proposal". By 1990 this vision of universal connectivity had become the World Wide Web.

#### Celebration at CERN

To celebrate 30 years since Sir Tim Berners-Lee proposed and to kick-start a series of celebrative worldwide, CERN's hosted a 30th Anniversary event on the morning of 16 March 2019 in partnership with the World Wide Web Consortium (W3C) and with the World Wide Web Foundation.

This anniversary event was webcast, with 50,000+ viewing parties watching live worldwide.

#### Official photos of the CERN celebration

More photos of the CERN event at <https://ads.cern.ch/Record/2850687>

## Wordpress

CERN COMPUTING BLOG  
News and updates from CERN IT Department

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### POSTS

FEBRUARY 18, 2020

#### Update on Linux support: creation of a CERN Linux Community Forum

Three Linux distributions are officially supported at CERN via Service Desk for servers and desktops. A newly created CERN Linux Community Forum is available for all other distributions and Linux laptops.

[Continue reading](#)

FEBRUARY 13, 2020

#### Computer Security: Tunnel Madness

A series of users of the CERN network recently received a warning about using a particular VPN tunneling plug-in (named here as "Alio VPN" for the sake of brevity) with their favourite browser. VPN tunneling is a perfectly legitimate way to preserve the anonymity of your communications, and to make your remoteless seem local. But using this particular plug-in comes with a risk for CERN. And for you, when using it at home.

[Continue reading](#)

RECENT POSTS

- [Update on Linux support: creation of a CERN Linux Community Forum](#)
- [Computer Security: Tunnel Madness](#)
- [Swisscom 20 phase-out](#)
- [CERN openlab brings together leading ICT companies and research institutions for its annual technical workshop](#)
- [16-18 March at CERN: Invented CERN School of Computing](#)

CATEGORIES

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- [Computing History](#)
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- [Service summaries](#)



# Use a different technology

Static site generator  
(Jekyll, Hugo...)

Hosting for Jekyll websites:

- [GitHub Pages](#)
- [GitLab Pages](#)
- [PaaS Web Application Hosting Service](#)

**SOFTWARE PROCESS INTEGRATION**

Software Stacks For CERN Experiments

In the context of the FP-SAT activities, the SPI team provides coherent software stacks for the use of LHC experiments and CERN users in general. These software stacks consist of several packages, including Makefile-Cards generators, Machine Learning tools, Python modules - all available for a large number of computers, operating systems and hardware architectures.

**SPI SERVICES** | **DOCUMENTATION** | **USEFUL LINKS** | **PUBLICATIONS**

**LCC Releases**  
Software packages, like mathematical libraries, DBs, Compilers etc. which used in specific software at CERN are recompiled and made available for specific platforms.

**LIM**  
The Librarians and Integrators Meeting (LIM) is a forum bringing together librarians of all the LHC and other experiments to share experiences about software stack provisioning. The forum meets regularly - usually every two weeks - to discuss issues about the builds, how compilers or package versions, how operating system versions, etc.

**SPI Jira**  
We manage and maintain our own Jira instance to track issues for most of the software developed in the SPI group and also a few projects from the experiments.

**MAIN USERS**

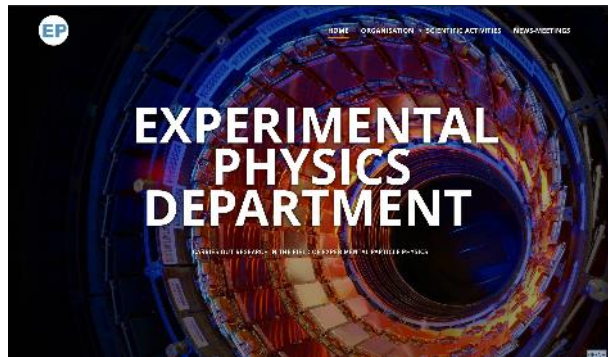
**ABOUT US**

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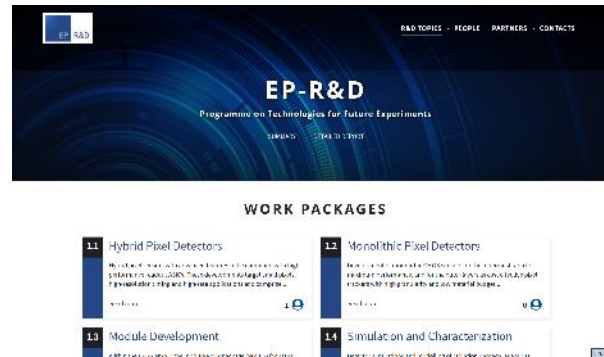
The SPI team is also responsible to run the Librarians and Integrators Meeting (LIM), a forum bringing together librarians of all the LHC and other experiments to share experiences about software stack provisioning.

Among the services further provided by the SPI team, there is support for Jenkins based build orchestration, a Jira issue tracking instance (in coordination with IT), and maintenance / support for the SAT and related web sites.

# Showcase



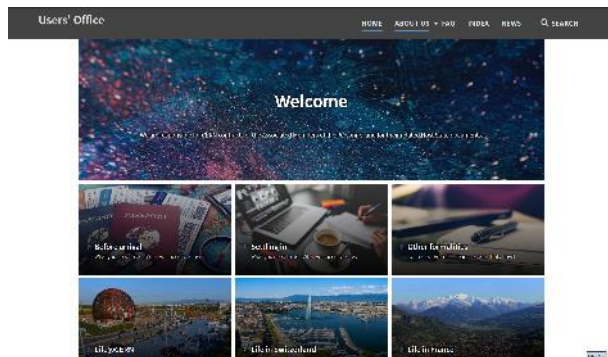
EP-DEP



EP-RnD



EP-SFT



Users'Office



Neutrino Secretariat



EP-SFT-SPI



Thank you

