



UNIVERSITY OF  
**BATH**

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Boldly going where others fear to tread...

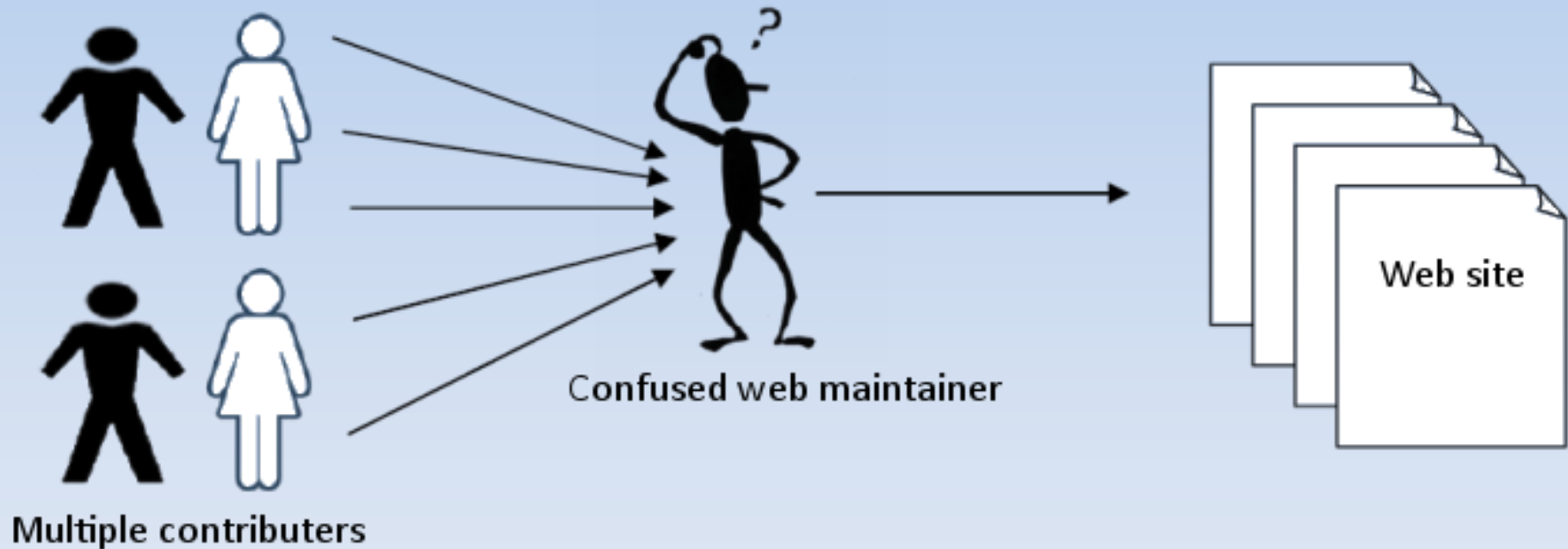
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# Overview

- Why we needed a CMS
- Summary of CMS selection process
- Helpful discoveries
- Issues we faced
- Modifications we have made
- How staff have adapted to using it
- Our plans for the future

# Why did we need a CMS?

- Information bottleneck



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# Why did we need a CMS?

- Information bottleneck
- Inconsistent page style
- Different levels of expertise
- Content repetition and inaccuracy
- Hard to maintain (Dreamweaver templates)

# Summary of CMS selection process

- Started with a huge list of requirements

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- Put case forward for open source

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- Started with a huge list of requirements
- Looked at several commercial products
- Put case forward for open source
- Refined requirements by removing less important
- Finally chose OpenCms
  - Better user interface
  - Most configurable and extensible
  - Java

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# Helpful discoveries

- Templating and properties

The screenshot shows a web browser window with the URL `http://cotte...lepage.html`. The page is the University of Bath website. Several elements are highlighted with red boxes and labeled with property names:

- Header image**: `bath.header-image`
- Unit Type**: `bath.unit-type`
- Header Text**: `bath.header-text`
- UNIT NAME**: `bath.unit-name`
- Unit Name**: `bath.unit-name`
- Maintenance Team**: `bath.maintenance-team`

The page content includes a navigation menu with links for Home, Undergraduates, Postgraduates, Research, and People. A search box is visible on the right. The main content area displays the unit name, resources, and contact information.

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# Helpful discoveries

- Ability to have dynamic CSS

The screenshot shows the website for the Pharmacy and Pharmacology department at the University of Bath. The header features a green gradient with the text "Pharmacy and Pharmacology" and the University of Bath logo. A navigation menu includes links for "text view", "A A A", "Home", "Undergraduates", "Postgraduate Taught", "Postgraduate Research", "Research", and "Staff". A search bar is located in the top right corner. The main content area has two large buttons labeled "Study" and "Research". A sidebar on the left contains a "Pharmacy and Pharmacology" menu with sub-items like "About the department", "Welcome...", and "Undergraduate Study". A photo of a woman is visible on the right side of the page.

The screenshot shows the website for the Department of Education at the University of Bath. The header is blue with the text "Department of Education" and the University of Bath logo. A navigation menu includes links for "text view", "A A A", "Home", "Undergraduate", "Postgraduate", "Research", "People", and "About us". A search bar is located in the top right corner. The main content area features a "Study" button and a photo of a group of people. A sidebar on the right contains a "Research Centres" section with a logo for "CEIC" (Centre for the study of Education in the 21st Century).

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- Ability to have dynamic CSS
- User specific rich-text editor configuration
- XML content types
- **OCEE package allows LDAP integration**

# Issues we have faced

- Database storage space
- Large amount of content not in the CMS

# Modifications we have made

- Page macros
  - Contact information
  - Research profiles and publications
  - Table contents
  - News
  - Content from other pages

# Modifications we have made

- Page macros

```
{{bathPeople:personlist=csmads,ccsajm:display=list}}
```



The screenshot shows the CMS Sandbox website interface. At the top left is a small image of a sandpit. The main header area contains the text "CMS Sandbox" and the University of Bath logo. To the right of the logo are navigation links: "UoB: home | a-z | contact" and a search box with a "GO" button. Below the header is a blue navigation bar with links for "text view", "A A A", "Home", "CMS Wiki", "CMS Tutorials", and "CMS Workplace". The main content area shows a breadcrumb trail "Home → csmads → example.htm" and a list of two people: "Andy Savin, +44 (0) 1225 386275, A.D.Savin@bath.ac.uk, Web Systems Developer" and "Andrew Male, +44 (0) 1225 384937, A.J.Male@bath.ac.uk, Web Development Manager". A small yellow pencil icon is visible to the right of the list. At the bottom of the page, there is a footer with the text "CMS Sandbox, University of Bath, Bath, BA2 7AY, UK", "© 2009 · disclaimer · privacy statement · FoI", and "updated: 9 June, 2009 by Web Services".

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# Modifications we have made

- On demand static export rules

Static Export Rule Actions

 New Rule

Static Export Rules

Static Export Rules (15)  Search Print Delete

E	D	C	Name	Description	Published Resource	Related Resource	
			CASP news homepage	Exports the CASP homepage if a news article is published	/sites/bath/casp/news/.*	/sites/bath/casp/index.html	<input type="checkbox"/>
			Common template sites	Exports all sites based on the common template	/sites/bath/common/this-file-exports-the-entire-cms-if-published	~/sites/bath/(?!(hospitality uk-shec i-see))[^/]+/.*(?)	<input type="checkbox"/>
			Econ Dev News	Manages the relation between news articles and news index	/sites/bath/econ-dev/news/.*	/sites/bath/econ-dev/index.html	<input type="checkbox"/>
			Education news and Education centres	Exports the Education, CSAT, CREE and CEIC sites if a news article is published on the Education site	/sites/bath/education/news/.*	/sites/bath/(csat cree ceic education)/.*(?)	<input type="checkbox"/>
			Elec Eng module	Exports the site if something is changed in the module	/system/modules/uk.ac.bath.template.eleceng/.*	/sites/bath/elec-eng/.*	<input type="checkbox"/>
			External website	Publishes /sites/external/ when the externalwebsite module is published	/system/modules/uk.ac.bath.template.externalwebsite/.*	/sites/bath/external/.*(?)	<input type="checkbox"/>
			Finance Mars module	Exports the site if something is changed in the module	/system/modules/uk.ac.bath.template.finance_mars/.*	/sites/bath/agresso/.*	<input type="checkbox"/>

[Administration View](#) > [Static Export Rules](#) > [New Rule](#)

## New Rule

Rule name:

Rule description:

Published resource:

Related resource:

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# Modifications we have made

- Breadcrumbs



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# Modifications we have made

- Integration with applications we develop



UoB: [home](#) | [a-z](#) | [contact](#)

[Prospective students](#) | [Study](#) | [Research](#) | [Business](#) | [About us](#) | [News](#)

## Chemical Engineering

MEng (hons): Chemical Engineering

[Overview](#) | [Course Details](#) | [Admissions](#) | [Entry Requirements](#) | [Programmes](#) | [Student Profiles](#)

### Why study Chemical Engineering at Bath?

**Our Honours degree schemes are amongst the broadest based process engineering courses available to you and graduates can expect to have an exceptionally wide choice of future career opportunities. Our courses reflect modern concepts of engineering education and training, incorporating both communication and management skills together with a significant design element, all developed in close collaboration with industry.**

The Department runs IChemE accredited MEng programmes in Chemical Engineering or Biochemical Engineering. These 4- or 5- year programmes are all available with an industrial placement, opportunities to take additional language courses, and carry out research projects in industry or abroad.

We also run IChemE accredited BEng programmes in Chemical Engineering or Chemical and Bioprocess Engineering, which are 3- or 4-year programmes.

All degree schemes share a common first two years of core science and engineering, with opportunities for specialisation in subsequent years.

### Key Facts

- ▶ Places available: 70
- ▶ Number of applicants:
- ▶ Highest level of profess accreditation
- ▶ One of the newest facili Europe

“ I chose Bath because university, course and The strong reputation placements in Chemic Bath was also a big fac an excellent job as a G

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# Modifications we have made

- Admin tools
  - Unlock
  - Publish
  - Find and Replace



# How staff have adapted to using it

- Generally good feedback
- Allows departments to work in their own way
- Some fear of losing the ability to edit HTML
- Initial aversion to a new system quickly overcome
- Training easier and quicker than with Dreamweaver

# How staff have adapted to using it

“ The CMS is simple and straightforward to use, making it easy for adding new information and links to existing web pages. I would recommend the CMS for anyone who is setting up a new website, particularly if you only have very little previous experience in designing websites. ”

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# Our plans for the future

- As many sites in the CMS as possible
- More dynamic content
- More integration
- Releasing more modules back to the community

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# Questions

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