Boldly going where others fear to tread...
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
Why did we need a CMS?

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- Different levels of expertise
Why did we need a CMS?

- Information bottleneck
- Inconsistent page style
- Different levels of expertise
- Content repetition and inaccuracy
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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- Looked at several commercial products
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Summary of CMS selection process

- 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
Helpful discoveries

- Templating and properties

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Helpful discoveries

- Ability to have dynamic CSS
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- User specific rich-text editor configuration

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Helpful discoveries

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- XML content types

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Helpful discoveries

- Templating and properties
- 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}}```
Modifications we have made

- On demand static export rules

### Static Export Rules

<table>
<thead>
<tr>
<th>ED</th>
<th>Name</th>
<th>Description</th>
<th>Published Resource</th>
<th>Related Resource</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>CASP news homepage</td>
<td>Exports the CASP homepage if a news article is published</td>
<td>/sites/bath/casp/news/.*</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Common template sites</td>
<td>Exports all sites based on the common template</td>
<td>/sites/bath/common/template-exports-the-entire-oms-d-published</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Econ Dev News</td>
<td>Manages the relation between news articles and news index</td>
<td>/sites/bath/econ-dev/news/.*</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Education news and Education centres</td>
<td>Exports the Education, CSAT, CREE and CEIC sites if a news article is published on the Education site</td>
<td>/sites/bath/education/news/.*</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>Elec Eng module</td>
<td>Exports the site if something is changed in the module</td>
<td>/system/modules/al.ac.bath.template.eleceng/.*</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>External module</td>
<td>Publishes /sites/external when the externalmodule module is published</td>
<td>/system/modules/al.ac.bath.template.externalmodule/.*</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>Finance News module</td>
<td>Exports the site if something is changed in the module</td>
<td>/system/modules/al.ac.bath.template.finance_news/.*</td>
<td></td>
</tr>
</tbody>
</table>

**Administration View** > **Static Export Rules** > **New Rule**

**New Rule**

- **Rule name:** Hospitality news
- **Rule description:** Exports the site if a news article is published
- **Published resource:** /sites/bath/hospitality/news/.*
- **Related resource:** /sites/bath/hospitality/.*(?<!\..php)$

**Ok** **Cancel**

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Modifications we have made

- Breadcrumbs

![CMS Sandbox](image.png)

- Home → Andy Savin's Test Folder → Breadcrumbs Example

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Modifications we have made

Integration with applications we develop

Chemical Engineering

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.

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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

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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
Questions