

When a single Plone just isn't enough...

Duncan Booth

Overview

- **Oxfam**
- **Plone at Oxfam**
- **Workflow and Staging with Plone Multisite**
- **Plone and Google Search Appliance**

Oxfam works with others to overcome poverty and suffering

- **Oxfam GB**
 - **Started in 1942 for famine relief to occupied Greece**
 - **now works with partners in over 70 countries around the world.**
- **Oxfam International**
 - **Umbrella organisation for 13 independent non-governmental organisations in**
 - **Australia, Belgium, Canada, France, Germany, Great Britain, Hong Kong, Ireland, The Netherlands, New Zealand, Quebec, Spain and the United States.**

Oxfam Websites & Plone

- **Oxfam GB (www.oxfam.org.uk)**
 - mostly flat, but a bit of Plone
 - all searches use Plone
- **Oxfam International (www.oxfam.org)**
 - All Plone
 - Multilingual
- **Dashboard**
 - International Extranet
 - Plone (+ legacy Plone)
- **Oxfam GB Intranet**
 - Plone + legacy flat + PHP
- **... and one central CMS**

Oxfam's CMS

Content	CMS	Edited in Last 24hrs	OGB	OI	Dash	Intranet
Articles	4,821	54	35	350	336	2,902
Briefing Notes	191	0	0	183	182	0
Briefing Papers	142	0	0	140	132	0
External Links	1,506	0	49	388	167	429
Files	6,410	14	37	424	1,991	3,404
Folders	2,962	17	131	243	432	1,274
Images	2,622	4	78	851	183	569
Nav pages	382	13	21	183	41	64
Press Releases	905	5	0	902	876	0
Topics	321	0	1	42	86	123
	20,262	107	352	3,706	4,426	8,765

Database	
Data.fs	7.5Gb
Catalog.fs	2.0Gb

(as of October 18th 2006)



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world

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Oxfam sites

Latest

09 Oct 2006

[MySpace announces largest philanthropic program with Darfur Campaign](#)

06 Oct 2006

[Oxfam clarifies comments about earthquake shelter](#)

04 Oct 2006

[Proposed new European Union trade policy is 'development blind'](#)

04 Oct 2006

[Anniversary of Pakistan earthquake: Survivors at risk as Himalayan winter starts early](#)

[» more news](#)



Sudan crisis

More than three years into the Darfur conflict, the crisis continues on a massive scale. Two million people have been forced to flee their homes and are now living in makeshift shelters in crowded camps. Oxfam is providing more than 450,000 people affected by the crisis with access to clean water and sanitation as well as basic necessities, and looking at ways to help people find alternatives to the reliance on external aid.

[emergency update](#)



Cambodia: banking on a buffalo

More than 30 percent of Cambodia's population lives below the poverty line. Many poor Cambodian farmers rely on agriculture, fishing and forests to meet their daily needs. For many, owning a buffalo can mean the difference between hardship and a better life. Oxfam's Maureen Bathgate meets some of the families we are helping to own and raise healthy livestock.

[program story](#)



Arms Without Borders

The globalization of the arms industry has opened up loopholes in current arms export regulations, allowing sales to human rights abusers and countries under arms embargoes, according to a new report by the Control Arms Campaign, "Arms Without Borders." The UN's current annual session on arms control will hopefully consider a landmark vote to start work on an Arms Trade Treaty.

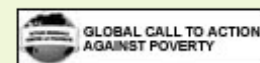
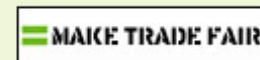
[campaign update](#)

Find the nearest Oxfam

The Oxfams operate in over 100 countries worldwide working with local partners to alleviate poverty and injustice.



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 - International Testing
 - Intranet shared items

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edit item ▾	edit item ▾	edit item ▾	edit item ▾

<p>Latest 09 Oct 2006</p> <p>MySpace announces largest philanthropic program with Darfur Campaign</p> <p>06 Oct 2006</p> <p>Oxfam clarifies comments about earthquake shelter</p> <p>04 Oct 2006</p> <p>Proposed new European Union trade policy is 'development blind'</p> <p>04 Oct 2006 emergency update</p> <p>Anniversary of Pakistan earthquake: Survivors at risk as Himalayan winter starts early</p> <p style="text-align: right;">more news</p>	 <p>Sudan crisis</p> <p>More than three years into the Darfur conflict, the crisis continues on a massive scale. Two million people have been forced to flee their homes and are now living in makeshift shelters in crowded camps. Oxfam is providing more than 450,000 people affected by the crisis with access to clean water and sanitation as well as basic necessities, and looking at ways to help people find alternatives to the reliance on external aid.</p>	 <p>Cambodia: banking on a buffalo</p> <p>More than 30 percent of Cambodia's population lives below the poverty line. Many poor Cambodian farmers rely on agriculture, fishing and forests to meet their daily needs. For many, owning a buffalo can mean the difference between hardship and a better life. Oxfam's Maureen Bathgate meets some of the families we are helping to own and raise healthy livestock.</p> <p style="text-align: right;">program story</p>
 <p>Arms Without Borders</p> <p>The globalization of the arms industry has opened up loopholes in current arms export regulations, allowing sales to human rights abusers and countries under arms embargoes, according to a new report by the Control Arms Campaign, "Arms Without Borders." The UN's current annual session on arms control will hopefully consider a landmark vote to start work on an Arms Trade Treaty.</p> <p style="text-align: right;">campaign update</p>		

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West Africa



This area contains information from and about West Africa, including country folders, regional teams and regional issues. This area is managed with contributions from affiliates working in the region.

For help with this area, contact the [OI Secretariat](#).

Contents

- **2005. West Africa food crisis**
- 2005.06. Niger photos (West Africa Food Crisis)
- **Benin**
- **Burkina Faso**
- **Cameroon**
- **Cape Verde**
- **Central African Republic**
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- [Link to Darfur Crisis](#)
- **Côte d'Ivoire**
- **Equatorial Guinea**
- **Gabon**
- **Gambia**
- **Ghana**
- **Guinea-Bissau**
- 2006. Border conflict (Guinea-Bissau / Senegal), 2005.05. Anthrax epidemic, [Humanitarian Response Archive](#)
- **Guinea (Republic of)**
- **Liberia**
- [Humanitarian Response Archive](#)
- **Mali**

Latest

Latest West Africa content published to this site. Items restricted to teams will not appear

[OGB Emergencies Meeting Minutes 10th October 2006](#)

[OGB Emergencies Meeting Minutes 3rd October 2006](#)

[OGB Emergencies Meeting Minutes 26th September 2006](#)

[OGB Emergencies Meeting Minutes 29th August 2006](#)

[OGB Emergencies Meeting Minutes 19th September 2006](#)

[More...](#)

Highlights

West Africa items promoted by contributors.

[2006.03.23. OA Guinea Bissau Brief Assessment Report](#)

[2006.05.31 OI Guinea Bissau External Bulletin – This summary of the conflict in Guinea-Bissau and Oxfam’s response is approved for external audiences](#)



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Link to Darfur Crisis	OGB Emergencies Meeting Minutes 26th September 2006 26 Sep 06
Côte d'Ivoire	OGB Emergencies Meeting Minutes 29th August 2006 20 Sep 06
Gambia	OGB Emergencies Meeting Minutes 19th September 2006 19 Sep 06
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Niger	
2005. Link to West Africa Food Crisis	
Nigeria	
Senegal	
Humanitarian Response Archive	
Togo	
Teams & regional issues	
Links to published items from regional and country teams,	

Recent Items

[Children from Burkina Faso consult a globe to identify countries in their region. Credit: Crispin Hughes/Oxfam](#)

2006-08-23

[Children learning to read and write in an Oxfam-funded school in Pakistan. Credit: Gerard Steehouwer/Oxfam](#)

2006-10-11

[An Oxfam referree gave a symbolic yellow card to giant puppets of world leaders dressed in football uniforms, outside the WTO Ministerial meeting in Geneva, June 2006, as a warning to world leaders that they must make trade fair. Credit: Charlie Powell/ O](#)

2006-09-18

[Lebanon Watertank Kids](#)

2006-09-11

[Regional Meetings Calendar](#)

2006-09-14

[More...](#)

[My Teams](#)

[Administrators Group](#)

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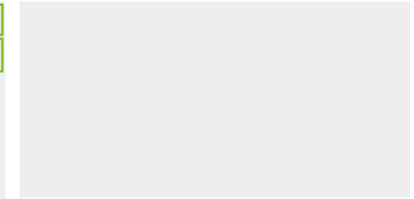
This section is about how Oxfam appears – to us and to others. It's the complete 'what, who, how, and why' of the organisation! This is where you'll find detailed information about our mission, aims, and identity; management information; policies and strategies; and departmental purposes, plans and priorities.

[add item](#) ▾[edit item](#) ▾

Communiqué on Diversity from IDSMT 26 Jul 06
On the 3rd July 2006, the International Division Senior Management Team (IDSMT) met to review the findings of the consultation on workforce diversity in the ...

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In About Oxfam...

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▪ **Organisation**

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- ‡ Oxfam GB Intranet Home
- ‡ **About Oxfam**
- ‡ Mission, aims, identity
- ‡ The organisation of Oxfam GB
- ‡ Departments
- ‡ Management
- ‡ Strategic Framework
- ‡ Internal Policies
- ‡ Oxfam International
- ‡ Projects



The organisation of our organisation

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Featured Items

- ‡ [Shop Calendar October - December 2006](#) 09 Oct 06
- ‡ [Oxfam, Supporter Relations & Customer Service Week](#) 29 Sep 06
Oxfam and Supporter Relations are taking part in National Customer Service Week (2nd-6th October 2006). An opportunity to raise awareness for the important ...
- ‡ [Humanitarian News \(Departmental Bulletin\)](#) 18 Sep 06

Recent items

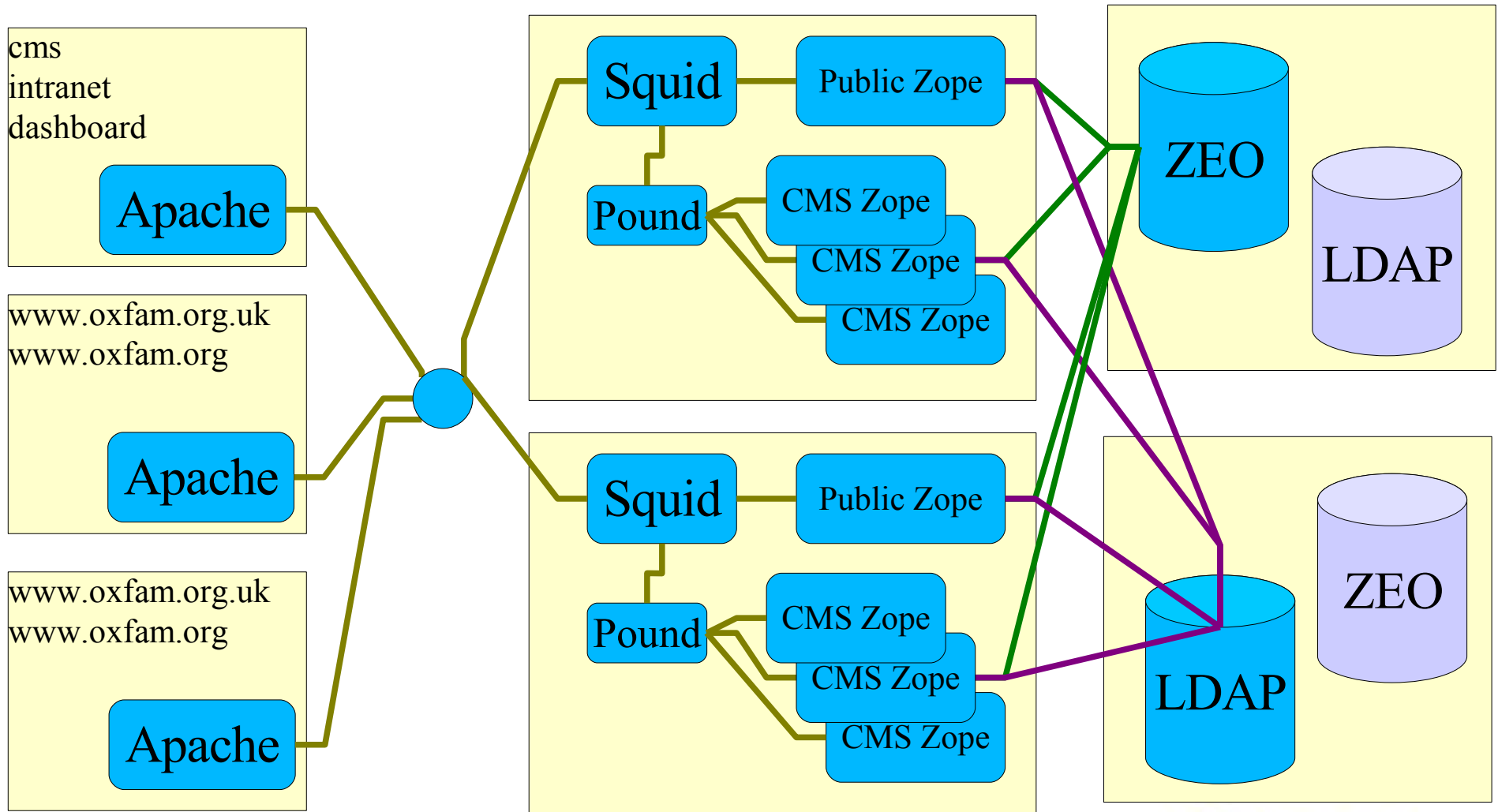
- ‡ [Introduction to the International Division](#) — 571.0 kB — [view as text](#)
- ‡ [Regional Directors](#)
- ‡ [Trading Structure \(In Powerpoint\)](#) — 40.0 kB — [view as text](#)
- ‡ [Shop Calendar October - December 2006](#) — spreadsheet, 158.5 kB — [view as text](#)
- ‡ [Trading Organogram](#) — spreadsheet, 47.5 kB — [view as text](#)



In About Oxfam...

- ‡ **Mission, aims, identity**
 - ‡ An introduction to Oxfam, Valuing diversity in Oxfam, History of Oxfam
- ‡ **The organisation of Oxfam GB**
 - ‡ Organigram, Trustee Induction, The Organisation of Oxfam GB, Who are the Association of Oxfam GB?
- ‡ **Departments**
 - ‡ Corporate Communications, Campaigns & Policy, Directorate, Finance & Information Systems, Human Resources ...
- ‡ **Management**
 - ‡ Quarterly Report, Monthly Report, Barbara Stocking's Monthly Letter, Presentation of Papers to Council and CMT, Annual Review ...
- ‡ **Strategic Framework**
 - ‡ Annual Plan 2006-2007, Key Documents for OGB Planning 07/08-09/10, Forward Look 2006-2007, Annual Report 2004-2005, Annual Reporting and Planning Cycle ...
- ‡ **Internal Policies**
 - ‡ A - Z, How to write an internal policy, Human Resources, Purchasing & Supply, Donations, Fundraising & Supporter Marketing ...
- ‡ **Oxfam International**
 - ‡ OGB Briefing Note, Oxfam International Planning, 2005 Board Meeting - Outcomes
- ‡ **Projects**

One zope – 8 instances, 7 servers



Performance

- **Much help from Enfold**
 - added pound
 - upgraded from Zope 2.7 -> Zope 2.8
 - separate catalog.fs
- **Benchmarking before and after**
 - mechanize script for repeatable timings
 - adds image, file and article
 - workflows them
 - also lots of manual testing

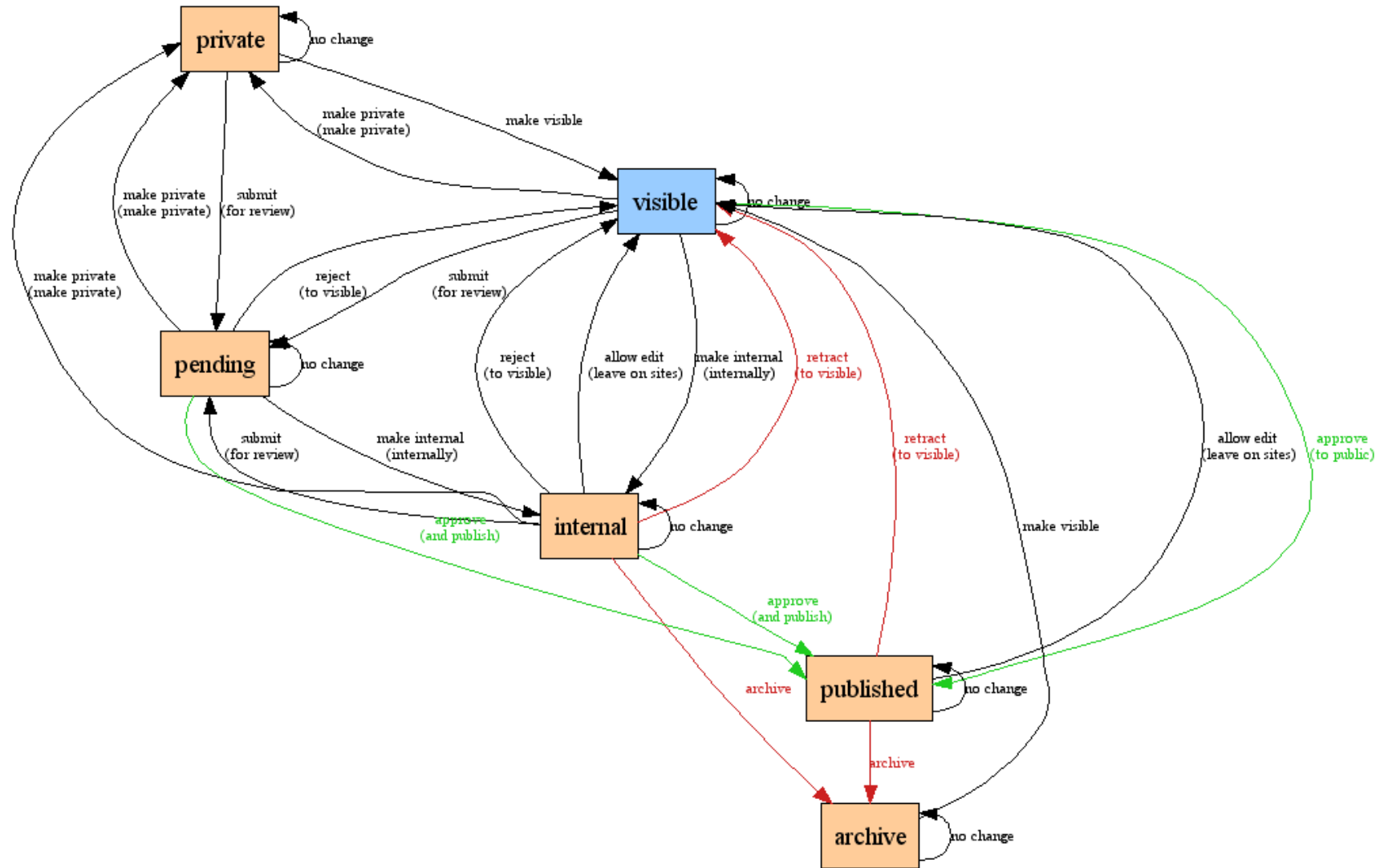
Reliability

- **Single points of failure**
 - **identify**
 - **avoid**

Plone Multisite

- **One CMS, multiple public sites**
 - **Different folder structures**
 - **Site subscriptions**
- **Workflow transitions**
 - **Copy to site, workflow on site, delete from site**
 - **Different sites have different rules**
- **Staging**
 - **Edit and workflow CMS copy**
 - **but not a full versioning system**
 - (no public rollback)
- **Preview**

• Workflow Diagram



• **Workflow**

- **Internal**
 - **Copies to subscribed internal sites**
- **Publish/Approve**
 - **Copies to any subscribed sites**
- **Retract**
 - **Deletes from subscribed sites**
- **Revise**
 - **Leaves on sites, but makes editable**

• Linking to multisite

- **Workflow transition**
 - **publish (push)**
 - **workflow only**
 - **retract (delete)**
- **Public sites**
 - **approve_to_public publishes**
- **Internal sites**
 - **approve_to_public**
 - **make_internal**

id ▲	title	urls										
ogb	Oxfam	<table border="1"> <tr> <td>public manager</td> <td> http://dev.www.oxfam.org.uk/ https://dev.admin.oxfam.org.uk/ogb/ </td> </tr> <tr> <td colspan="2">workflow actions</td> </tr> <tr> <td>publish</td> <td>approve_to_public approve_to_public_self</td> </tr> <tr> <td>workflow</td> <td></td> </tr> <tr> <td>retract</td> <td>retract_to_private retract_to_visible</td> </tr> </table>	public manager	http://dev.www.oxfam.org.uk/ https://dev.admin.oxfam.org.uk/ogb/	workflow actions		publish	approve_to_public approve_to_public_self	workflow		retract	retract_to_private retract_to_visible
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Multisite Summary

- **Deploys content across sites**
- **Preview shows content in context**
 - skins
 - smart folders
 - related items
- **Issues outstanding**
 - **Performance**
 - should complete publishing in background
 - should be able to update rather than delete/recreate existing objects

Searching in a mixed environment

- **Flat site search**
 - didn't know about Plone
- **Plone site search**
 - spidered flat site (custom Plone product)
 - buggy searching (textindexng2)
- **Google Search Appliance**
 - flat site used Apache proxying and XSLT template
 - **Plone/Google Search Appliance tool**
 - originally written by Matt Lee (NHS)
 - we added some go faster stripes

What is Google Search Appliance?

- **Google Search Appliance**
 - **Yellow box**
 - **Google won't say what's inside**
 - **\$30,000 for up to 500,000 documents**
 - **larger models up to 30,000,000 documents**
- **Google Mini**
 - **Blue box**
 - **\$1,995 for 50,000 documents & 1 year support**
 - **then \$995 per annum**
 - **versions up to 300,000 documents**

Why Plone + Google Search Appliance?

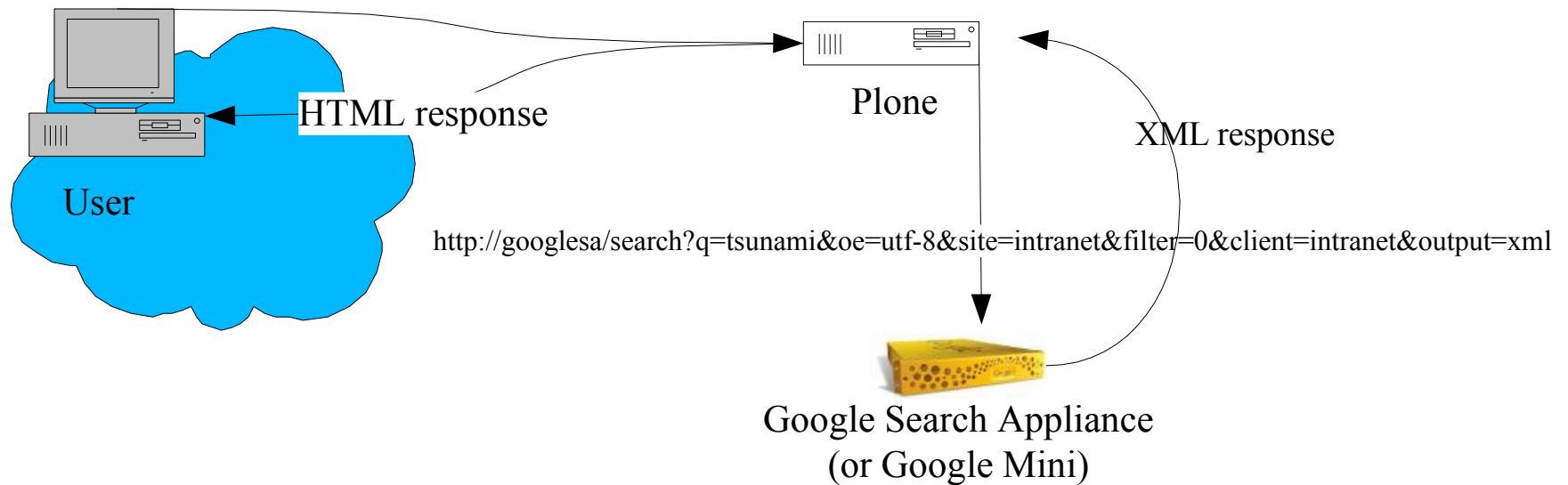
- **Apache + GSA**
 - **Rewrite rules to proxy requests to GSA**
 - **Unwieldy, inflexible**
 - **XSLT on GSA to format responses**
 - **Skin maintenance nightmare**
 - **Lots of 'do not edit' sections in XSLT**
- **Plone Tool**
 - **Uses standard site skin**
 - **Results template is layout only: no logic**
 - **Proxy rules configurable in Plone tool**
 - **canned searches**
 - **parameter validation**

Google Search Appliance Features

- **Multiple client frontends**
 - **Keymatch e.g. goat -> Oxfam Unwrapped**
 - **Synonyms**
 - **Filters**
- **Collections (site)**
 - **Restrict results to a subset based on URL pattern**
- **Website Crawling**
- **Office document conversion to text**
 - **220 file formats**

Proxying a search

<http://intranet.oxfam.org.uk/search?SearchableText=tsunami&submit.x=0&submit.y=0>



Mapping URLs

intranet GSA	/search?SearchableText=tsunami&submit.x=0&submit.y=0 /search?q=tsunami&oe=utf-8&site=intranet&filter=0&client=intranet&output=xml
contacts GSA	/search?site=contacts&SearchableText=tsunami /search?q=tsunami&oe=utf-8&site=contacts&filter=0&client=intranet&output=xml &getfields=phone.jobtitle.description.email.teams
www.oxfam.org.uk GSA	/search?SearchableText=tsunami /search?oe=utf-8&site=ogb&q=tsunami&client=ogb&output=xml&getfields=DC%252Etype
www.oxfam.org.uk GSA	/search?as_dt=i&SearchableText=tsunami&as_sitesearch=publications.oxfam.org.uk /search?oe=utf-8&site=ogb&q=tsunami&client=ogb&output=xml&getfields=DC%252Etype &as_dt=i&as_sitesearch=publications.oxfam.org.uk

Google Search to-do

- **Feeds**
 - **push updates to GSA**
 - **metadata for files**
 - **Word & PDF documents currently a headache: GSA reads and displays these, but users never set them.**
 - **need to track object deletions**
- **Security**
 - **no support yet for secure content**

XML -> Template

```
<?xml version="1.0" encoding="UTF-8" standalone="no"?>
<!DOCTYPE GSP SYSTEM "google.dtd">
<GSP VER="3.2">
  <TV>0.099049</TV>
  <Q>tsunami</Q>
  ...
  <RES SN="1" EN="10">
    <M>725</M>
    <FI/>
    <NE>
      <NU>/search?q=tsunami&site=og&hl=en&lr=&ie=UTF-
8&output=xml&client=og&access=f&sort=date:D:L:d1&getfields=DC%252Etype&start=10&a
mp;sa=N</NU>
    </NE>

    <R N="1">
      <U>http://www.oxfam.org.uk/coolplanet/teachers/tsunami/</U>
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      <T>Oxfam&#39;s Cool Planet for teachers - <b>Tsunami</b> in Asia - Index page</T>
      <RK>1</RK>
      <FS NAME="date" VALUE="2006-02-03"/>
      <S>Oxfam &#39;s website for teachers - <b>tsunami</b> in asia, teaching about
disasters anc<br> beyond. Oxfam.org.uk, Cool Planet for teachers home, Search,
<b>...</b> <b>Tsunami</b> in Asia. <b>...</b>
      </S>
      <LANG>en</LANG>
      ...
    </R>
    ...
  </RES>
</GSP>
```

Search.pt excerpt

```
<ul>
  <tal:results repeat="result RES/R">
    <li>
      <a tal:attributes="href result/U"
        tal:content="structure python:encode(result.T)" />
    </li>
    <div tal:condition="result/MT/phone|nothing">
      <tal:line condition="result/MT/phone/V">
        Telephone: <tal:text content="result/MT/phone/V" /><br/>
      </tal:line>
      <tal:text content="result/MT/jobtitle/V" />
    </div>
    <div tal:condition="not:result/MT/phone|nothing">
  <div tal:content="structure python:encode(result.S)">Description</div>
    </div>
  </tal:results>
</ul>
```

Demo