

# Open source web management for decentralised networks

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11/07/2007

<http://osha.europa.eu>



European Agency  
for Safety and Health  
at Work

# Introduction

<http://osha.europa.eu>

## The European Agency for Safety and Health at Work was established in 1996

To help improve working conditions in the European Union by providing technical scientific and economic information to people involved in safety and health at work



# Introduction

<http://osha.europa.eu>

## ➤ The European Agency for Safety and Health at Work...

- ...is more or less like a national ministry, but at European level.
- ...was set up: to collect, analyse and promote Occupational Safety and Health (OSH)-related information.
- ...decided in 1997 that internet would be the main channel for this purpose.

# Introduction

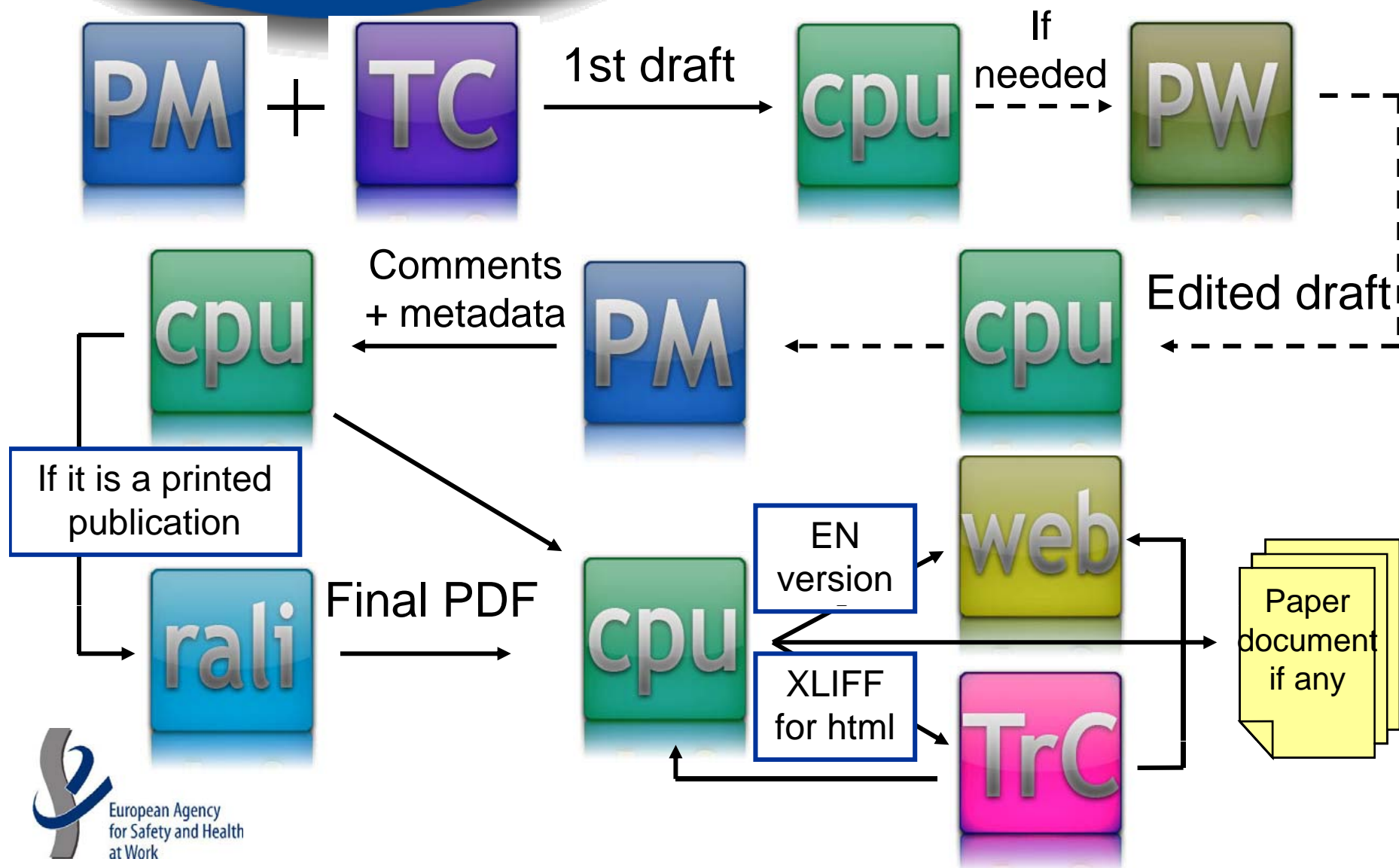
<http://osha.europa.eu>

Since its first website, with few static html pages, the Agency is currently hosting and managing a network of more than 50 websites, and about 200k pages.



# An illustrative example

<http://osha.europa.eu>



# Agency needs

<http://osha.europa.eu>

- **To control that mess we needed:**
  - Workflow/users control to manage our partners and contractors
  - Multilingualism control - XLIFF (the site is currently in 22 lang.)
  - Search facilities for the increasing contents
  - Something for the pdf publications
  - Something for news and events too
  - Thesaurus integration to tag it all
  - A nice DB to store all the data

**Plone had most of it. ElevateIT made the rest  
(more about eIT on the next presentation)**



# Agency needs

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## ➤ Some extras were:

- Syndication of contents
- Easy addition of contents to the newsletter
- Alerts service on new contents
- Editor integration (FCK, now to be changed to Edit on Pro)
- Bulk upload tool
- Find and replace option
- Alias addition (mainly used for old links)

# Main features

<http://osha.europa.eu>

## ➤ Workflow/users control :

- Users are managed through LDAP
- Roles are assigned, and permissions given
- Validate the information requires double checking





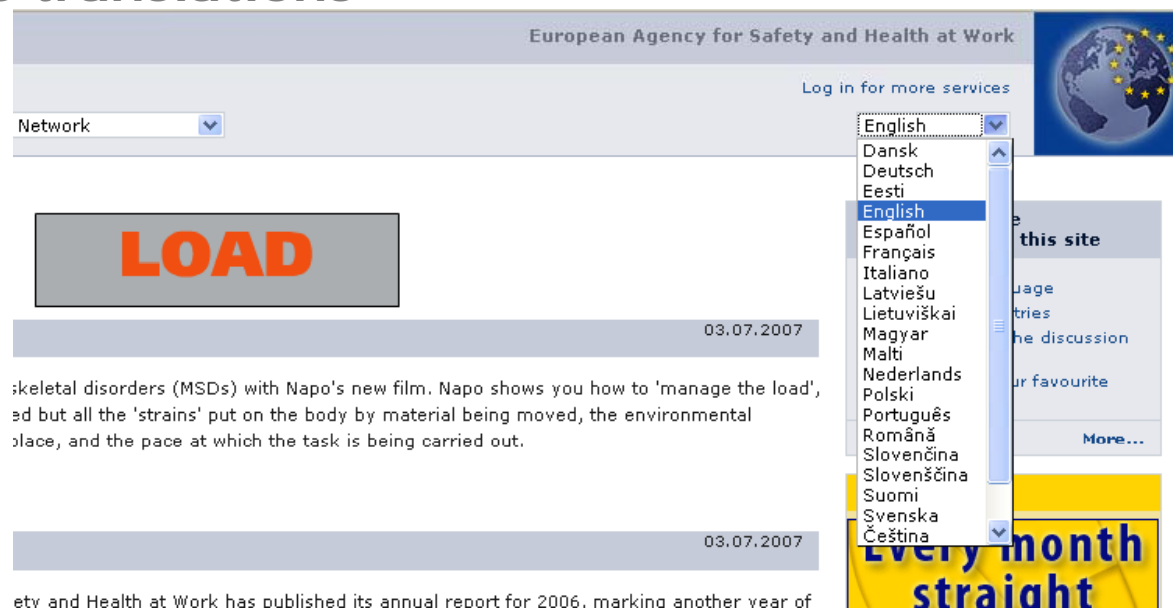
# Main features

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## ➤ Multilingualism :

- The site is currently in 22 languages + KR, JP, TR and NO (it includes framework and contents)
- Contents are sent to translation using XLIFF

(<http://www.oasis-open.org/committees/xliff/documents/xliff-specification.htm>) -This allows us to simply format once in EN, and import the translations



# Main features

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## ➤ Search facilities:

### ○ There are two ways to search:

- The A-Z index (based on the Thesaurus keywords)
- The search engine (searches on the whole network)

Search for content

### OSHSearch

noise

☒ The OSH Network ☐ Pages in English ☐ Pages on this site

[Advanced search for content](#) | [Help on using the search](#)

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Network search results 1497 items match your criteria [RSS](#)

[EW2003] [New chairperson announces Agency plans to target safety in E..](#)  
[http://ew2003.osha.europa.eu/news/press\\_releases/17\\_12\\_2003/index.htm/..](http://ew2003.osha.europa.eu/news/press_releases/17_12_2003/index.htm/)  
[100%] 26.07.2005 15:09, published

[BE] [Geluid](#)  
Achtergrondinformatie over geluid. Geluid is tevens het thema van de Europese Week 2005.  
[http://be.osha.europa.eu/ew2005/background\\_information/index\\_html/view..](http://be.osha.europa.eu/ew2005/background_information/index_html/view..)  
[94%] 01.12.2005 14:49, published

[BE] [Geluid](#)  
Geluid is teven thema Europese Week 2005.  
[http://be.osha.europa.eu/topics/noise/index\\_html/view?searchterm=noise](http://be.osha.europa.eu/topics/noise/index_html/view?searchterm=noise)  
[86%] 22.02.2007 21:50, published

[EW2004] [New chairperson announces Agency plans to tackle noise at wo..](#)  
[http://ew2004.osha.europa.eu/news/press\\_releases/01\\_12\\_2004/index.htm/..](http://ew2004.osha.europa.eu/news/press_releases/01_12_2004/index.htm/)  
[82%] 25.07.2005 16:07, published

[IT] [Agriculture-Appendix](#)  
[http://it.osha.europa.eu/research/news/nuove\\_tecnologie/inqagriappendi..](http://it.osha.europa.eu/research/news/nuove_tecnologie/inqagriappendi..)  
[64%] 13.05.2005 14:33, published

[HWI] [Key statistics](#)  
[http://hwi.osha.europa.eu/topic\\_prevention\\_biologicalhazards/slovakia/..](http://hwi.osha.europa.eu/topic_prevention_biologicalhazards/slovakia/)  
[64%] 21.06.2006 14:01, published

[FI] [NOISE EXPOSURE CALCULATOR](#)  
[http://fi.osha.europa.eu/good\\_practice/ohjeet/noisevib/basicoisecalcu..](http://fi.osha.europa.eu/good_practice/ohjeet/noisevib/basicoisecalcu..)  
[63%] 08.04.2005 14:21, published

**Other results through the OSH network**  
(click on the site to search only locally)

- osha (1224)
- be (2)
- de (70)
- ee (18)
- ew2000 (1)
- ew2001 (1)
- ew2003 (1)
- ew2004 (8)
- ew2005 (37)
- ew2006 (21)
- ew2007 (2)
- fi (12)
- gr (1)
- hu (5)
- hwi (1)
- ie (4)
- it (9)
- jp (5)
- kr (7)
- mt (2)
- nl (25)
- pl (4)
- pt (13)
- se (2)
- si (2)
- tr (6)
- uk (14)

# Main features

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## ➤ Thesaurus integration:

- 2400 terms on OSH
- Hierarchical
- In 22 languages
- Fully editable

THESAURUS ITEM | Language: en ▼ | Add new Thesaurus Item | State: priva

Noise

▲ Up to superordinate entry "Physical hazards"

Search : [Display information about "Noise"](#) (348)

Identifier: 40561C

Subordinate entries:

- [Long-term exposure to excessive noise](#) (11)
- [Impulse noise](#) (1)
- [Peak sound level \(acute exposure\)](#) (2)
- [Disturbing noise \(below 85dB\)](#) (3)
- [Ultra sound](#) (4)

Translations:

- **Dansk:** støj
- **Deutsch:** Lärm
- **Eesti:** Müra
- **English:** Noise
- **Español:** ruido
- **Français:** bruit
- **Italiano:** Rumore
- **Latviešu:** Troksnis
- **Lietuviškai:** Triukšmas
- **Magyar:** Zaj
- **Malti:** Noise
- **Nederlands:** geluid(shinder), lawaai
- **Polski:** Hałas
- **Português:** Ruído
- **Română:** Zgomot
- **Slovenčina:** hluk
- **Slovenščina:** Hrup
- **Suomi:** Melu
- **Svenska:** buller; brus; ljud
- **Čeština:** hluk
- **Ελληνικά:** θόρυβος
- **Български:** Шум

Synonyms:

# Main features

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## ➤ Publications product:

- A new object type was created to manage the PDF publications
- You can upload the pdf and the metadata on a text file.
- The cover and indexes are generated automatically

[Home](#) | [Publications](#) | [Factsheets](#) | [Factsheet 73 - Hazards and risks associated with manual handling of loads in the workplace](#)

### Factsheet 73 - Hazards and risks associated with manual handling of loads in the workplace



Manual handling of loads (MHL) is any of the following activities carried out by one or more workers: lifting, holding, putting down, pushing, pulling, carrying or moving of a load. The load can be animate (a person or animal) or inanimate (an object). Though decreasing lately, the rate of workers in the EU-25 that report carrying or moving heavy loads, is still high (34.5 %), reaching 38.0 % in the EU-10.

**Author:** European Agency for Safety and Health at Work

**Publication date:** 03.03.2007

**Download the full publication as PDF**  (179 KB)

**OPDCE Catalog number:** TE7606537ENC  
**Order a printed copy of this document!**



Available in: [Български] [Čeština] [Dansk] [Deutsch] [Ελληνικά] [English] [Español] [Eesti] [Suomi] [Français] [Magyar] [Italiano] [Lietuviškai] [Latviešu] [Malti] [Nederlands] [Polski] [Português] [Română] [Slovenčina] [Slovenščina] [Svenska]

# Main features

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## ➤ Syndication of contents:

- An easy interface allows to syndicate any content on the website, as well as add any feed to it.
- We can mix different feeds, and even filter them by keywords

The screenshot displays the SYNDICATIONTOOL web interface. At the top, there are navigation tabs: Contents, View, Sin Sources, Settings, and Aliases. Below these, the 'Administration' dropdown is visible. The main content area is divided into two sections: 'Channels' and 'Maps'.

**Channels Section:**

Name	URL	Update period	Frequency	Action
context_help	<a href="http://docserver.syslab.com/search_rss?sort_on=modified&amp;sort_">http://docserver.syslab.com/search_rss?sort_on=modified&amp;sort_</a>	daily	1	Delete
osha_europe	<a href="http://europe.osha.europa.eu/news/local_news/RSS">http://europe.osha.europa.eu/news/local_news/RSS</a>	hourly	4	Delete
iosh_news	<a href="http://www.iosh.co.uk/rss/news.xml">http://www.iosh.co.uk/rss/news.xml</a>	daily	1	Delete

Below the table is an 'Add Channel' form with fields for Name, URL, Update period, Frequency, and an 'Add Channel' button.

**Maps Section:**

Name	Channels	Policy	Keyword Filter	Action
testIOSH	context_help osha_europe iosh_news	simple	construction	Delete
testGM	context_help osha_europe iosh_news	random	noise	Delete
HELP	context_help osha_europe iosh_news	simple		Delete
OSHA Europe	context_help osha_europe iosh_news	recentfirst		Delete

Below the table is an 'Add Map' form with fields for Name, Channels, Policy, Keyword Filter, and an 'Add Map' button.

At the bottom of the interface are 'Save' and 'Cancel' buttons.

# Main features

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## ➤ Alerts service:

- The user can sign to receive all the updates on a topic, only by giving his email.
- He can edit his settings at any time from a link on his notifications

**Create an Alert**

Please specify your query according to your interests:

**Subjects of interest:**  
In order to choose more than one item from the lists, press the key "control" on your keyboard, and select the item with your mouse.

Accident Prevention  
Agriculture  
Business aspects of OSH  
Changing World of Work  
Construction  
Dangerous Substances  
Disabled People  
Education

**Type**

News  
Events  
Sections' updates  
Publications  
OSH links

**Schedule** •(Required) daily

**Display language**  
In order to choose more than one item from the lists, press the key "control" on your keyboard, and select the item with your mouse.

☒ English  
Our website is entirely in English. Parts of it are translated in the other official European languages. Therefore, English is the default language but you can add alternative languages.

Dansk  
Deutsch  
Eesti  
English  
Español  
Français  
Italiano  
Latviešu

**E-mail** •(Required)

☐ I also want to receive OSHmail, the free monthly newsletter ([learn more...](#))

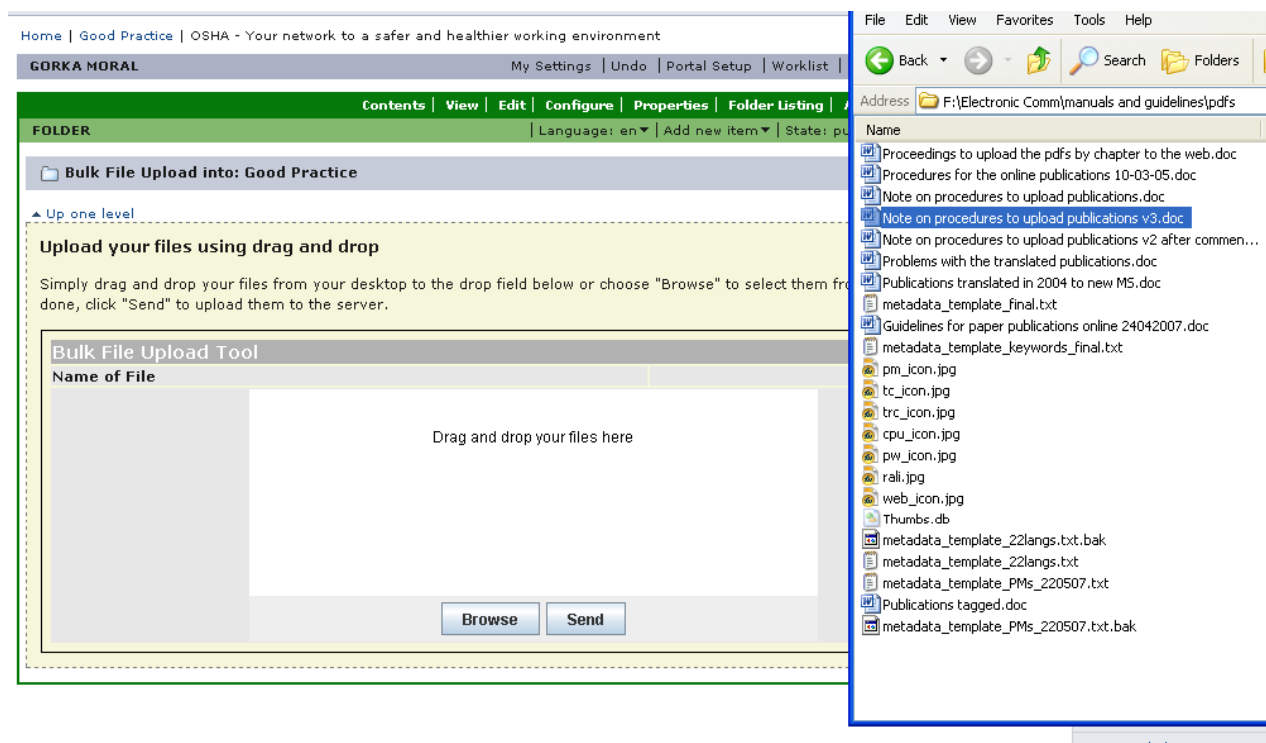
[Create alert](#)



# Main features

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- **Bulk upload tool:**
  - A drag and drop box to upload contents



# Main features

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## ➤ Find and replace:

- You can find and replace text strings throughout the sites, including pieces of code.

**Search & Replace**

Do a Search & Replace on this object or subtree:

Construction (/good\_practice/sector/construction)

**Details**

Search for:

Replace with:

Use Regular Expression Syntax? ☐

Recursive? ☒

[↗ Search](#)

recursive search for: Construction	
ID	Path
<input type="checkbox"/> construction	/osha/portal/good_practice/sector/construction
<input type="checkbox"/> Construction_Case_Studies_1.pdf	/osha/portal/good_practice/sector/construction/Construction_Case_Studies_1.pdf
<input type="checkbox"/> Construction_Case_Studies_2.pdf	/osha/portal/good_practice/sector/construction/Construction_Case_Studies_2.pdf
<input type="checkbox"/> Construction_Case_Studies_3.pdf	/osha/portal/good_practice/sector/construction/Construction_Case_Studies_3.pdf
<input type="checkbox"/> Construction_Case_Studies_4.pdf	/osha/portal/good_practice/sector/construction/Construction_Case_Studies_4.pdf
<input type="checkbox"/> Construction_Case_Studies_5.pdf	/osha/portal/good_practice/sector/construction/Construction_Case_Studies_5.pdf
<input type="checkbox"/> Construction_Case_Studies_6.pdf	/osha/portal/good_practice/sector/construction/Construction_Case_Studies_6.pdf
<input type="checkbox"/> atoz.php	/osha/portal/good_practice/sector/construction/atoz.php
<input type="checkbox"/> case_studies.stm	/osha/portal/good_practice/sector/construction/case_studies.stm
<input type="checkbox"/> faq.stm	/osha/portal/good_practice/sector/construction/faq.stm
<input type="checkbox"/> faq1.stm	/osha/portal/good_practice/sector/construction/faq1.stm
<input type="checkbox"/> faq2.stm	/osha/portal/good_practice/sector/construction/faq2.stm
<input type="checkbox"/> faq3.stm	/osha/portal/good_practice/sector/construction/faq3.stm
<input type="checkbox"/> site.stm	/osha/portal/good_practice/sector/construction/site.stm
<a href="#">Select All</a>	
<a href="#">↗ Replace</a>	

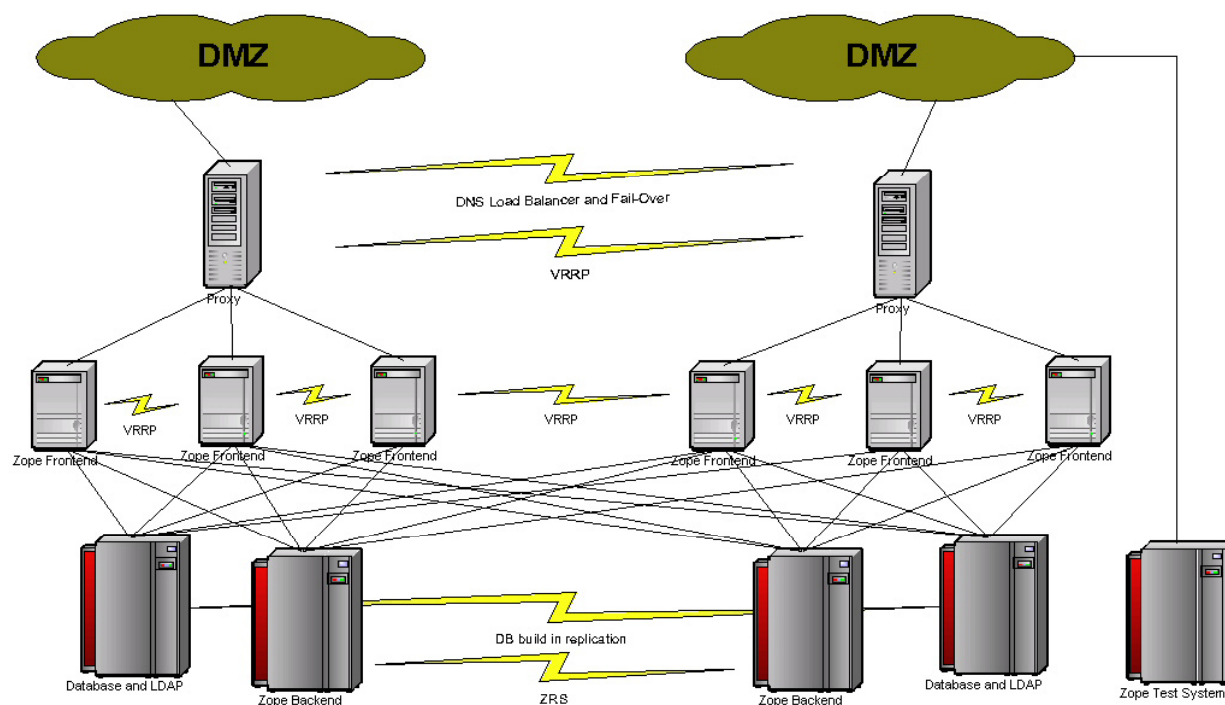
# Some facts

<http://osha.europa.eu>

## ➤ Figures:

- More than 200k users per month
- More than 50 plone portals online
- More than 100 editors
- More than 33k subscribers to our newsletter

## ➤ The system:



# Award

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- In November 2005, this CMS received the International Information Industry Award, in the category *Innovation in Content Management*.



## ➤ Why Open Source?

- We are a public institution > managed with public money
- We invest public money on public software
- We had experience with proprietary software that costed 60000 € per year, only in maintenance and troubleshooting.
- Main problems of the proprietary software are:
  - Expensive to modify
  - You are tied to one vendor (against free competence)
  - Unaffordable for large ammount of users due to licenses

# EU-OSHA software

<http://osha.europa.eu>

- The Agency plans to release all the software developed so far, by the beginning of 2008
- We will create a portal for it, with all the documentation, and the possibility to download packages (like the publications product), or a complete ISO, with all the software required to set up a system like ours.
- New versions will be added there.
- The Agency also cooperates with the OSOR (Open Source Observatory and Repository), a EU Commission's initiative to disseminate and encourage public institutions on the use of open standards.



# THANKS A LOT

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## ➤ Questions?

- All the technics behind the system will be addressed on the next presentation by Syslab.com



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