



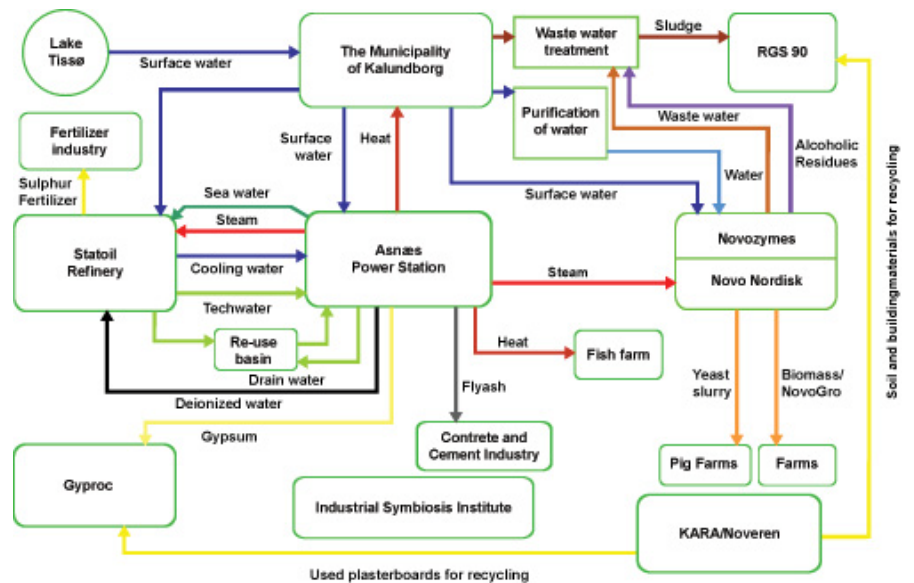
<http://cc2010.mx/en/index.htm>

<http://www.symbiosis.dk/>



### INDUSTRIAL SYMBIOSIS

Sharing of resources



## Introduction

Up to the next climate summit COP16 in Mexico (from 29 November - 10 December), the organisation "Industrial Symbiosis Institute", Kalundborg want a new and more modern site.

They will be represented at the summit in Mexico and use it as a platform to establish a solid basis for being able to sell / export the knowledge, they through the years has gained in use / recycling of residues from different production companies.

The only real requirement from "Industrial Symbiosis Institute" is that the site must show "Industrial Symbiosis Institute", as one of the few in the world, have this specialized knowledge and experience, and they would like to "export" it to other countries.

Therefore they wish to you to develop a fully functional prototype, they can evaluate before developing the final solution.

They also want an outline of the information architecture for the entire solution, but it's ok the prototype has focus on the part of the site that reflects that they have a unique product to export.

On the part of the site being developed as a prototype, all subpages must be fully functional and supplemented with any "Mumble text."

In the prototype there is no requirement, it has to be made available in several languages. However it must be included in the final solution.

There is a particular focus on whether the website works. It means you are able to find / move around the site and the text is adapted for web media and the page validates (conforms to w3c standards).

## Purpose

Focus Area: Functionality - There is a particular focus on whether the website works. It means that you are able to navigate – easily - around the site, (it's user-friendly) and the text is adapted to web media and that the page validates (conforms to w3c standards).

## Learning Objectives

The learning objectives for this project is to acquire knowledge & skills in the following:

- Information architecture (Knowledge)
- HTML (Skills)
- XHTML (Skills)
- CSS (Skills)
- Dreamweaver (Skills)
- Optimisation of images and graphics for the web (Skills)
- Client / server environments (FTP, HTTP upload functionality) (Skills)

## Product Aims

The project must result in:

### Website

- Fully functional website (for the selected part of the total solution) uploaded on a web hotel
- Code must be valid XHTML
- All layout must be defined in valid CSS
- Filenames must be well chosen and logical
- Graphics, images and text must be optimized for web

You are not allowed to use a Content Management Systems of any kind (e.g. Word-press)

## Report

There must also be a report containing at least:

- Timetable / schedule etc. for the project
- General outline of the information architecture for the entire solution,
- Flowcharts
- Examples of code - with explanatory comments written in the code
- Justification of design choices
- Process description - with evaluation of the process

## Formalities

The project is conducted in groups of 3-4 students - You form the groups yourself.

List of group members is sent to [TUJE@knord.dk](mailto:TUJE@knord.dk) & [MORO@knord.dk](mailto:MORO@knord.dk) not later than:

**Wednesday, 11<sup>th</sup> of November 10. pm. 14.00**

The report must be of max.10 pages, excl. Annex.

**The project is compulsory and it is mandatory to participate in the presentation of product / report.**

## Hand in

Report and link to website is uploaded to Fronter in the folder Hand-in> Website Project not later than:

**Friday, 26<sup>th</sup> November 10 pm. 14.00.**

Individual descriptions of learning / process is uploaded to the portfolio.

It is a requirement for the feedback that the project is uploaded in the portfolio.

Of course each group will get an evaluation of the project from the teachers.

This is done by the group is contacting the teachers from whom they want an evaluation and there will be a meeting between the teachers and the group, where the group gets oral feedback.

It is the group's responsibility to take notes from this meeting.

## Presentation of the project

Each group prepares a short (5-7 minute) presentation Monday 29. Nov.10, where they present their project in the plenum. This occurs in block B2-C

## Literature/links

Jamie Freeman: 500 Simple Websites

Lynch & Horton: Web Style Guide, 3<sup>rd</sup> edition, chap. 3 & 4 <http://webstyleguide.com/>

Web Style Guide. [www.webstyleguide.com](http://www.webstyleguide.com)

<http://www.w3schools.com> (HTML, XHTML, CSS)

<http://www.html.dk> (CSS)

[www.csszengarden.com](http://www.csszengarden.com)

<http://validator.w3.org/> ((X)HTML validation tool)

<http://jigsaw.w3.org/css-validator/> (CSS validation tool)

Dreamweaver tutorials:

[http://www.adobe.com/devnet/dreamweaver/articles/first\\_cs4\\_website\\_pt1.html](http://www.adobe.com/devnet/dreamweaver/articles/first_cs4_website_pt1.html)

[http://www.adobe.com/devnet/dreamweaver/articles/first\\_cs4\\_website\\_pt2.html](http://www.adobe.com/devnet/dreamweaver/articles/first_cs4_website_pt2.html)

[http://www.adobe.com/devnet/dreamweaver/articles/first\\_cs4\\_website\\_pt3.html](http://www.adobe.com/devnet/dreamweaver/articles/first_cs4_website_pt3.html)

[http://www.adobe.com/devnet/dreamweaver/articles/first\\_cs4\\_website\\_pt4.html](http://www.adobe.com/devnet/dreamweaver/articles/first_cs4_website_pt4.html)