

Ingegneria
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What is Cocoon? (1/7)

- **A Web Development Framework (RAD)**
- **A generator of documents**
- **A Content Management System (CMS)**
- **A little revolution**

The Cocoon Idea (2/7)

- **The Cocoon project aims to change the way informations are generated, managed and displayed on web**
- **The new paradigm is based on the fact that content, style and logic are usually generated and managed from different people or work-group.**
- **Target: complete separation of the three levels that have been independent as much possible**

The XML Model (3/7)

- **The key technologies are:**
 - XML
 - XSLT
 - XPath

Supported Publishing Formats (4/7)

- XHTML (HTML) + CSS
- SVG
- PDF
- VoiceXML
- WML
- ...
- and many others!

What does it mean? (5/7)

- The informations are published in each format according to user parameters or the used device
- Everything start from only file (XML)
- It's easy to insert a new format or to modify already existing formats

SITEMAP EXAMPLE (6/7)

- ```
<?xml version="1.0" ?>
SITEMAP.XMAP
...
<map:match pattern="hello.svg">
 <map:generate src="content/hello.xml"/>
 <map:transform src="style/xsl/page2svg.xsl"/>
 <map:serialize type="svgxml"/>
</map:match>
...
```

### **Other informations? (7/7)**

- **Cocoon:** [\*http://xml.apache.org/cocoon\*](http://xml.apache.org/cocoon)
- **XML and related specs:** [\*http://www.w3c.org\*](http://www.w3c.org)
- **XML and related info:** [\*http://www.xmlinfo.com\*](http://www.xmlinfo.com)
- **aPRACTICAL EXAMPLE**