



## ACE Copenhaguen – Mobile



# Présentation du Webinar

- What represents Mobile
- Native app vs Web html5
- The context of PLM
- How to interface with Aras
- JQuery Mobile, Dojo, Dhtmlx, ... : a world of possible

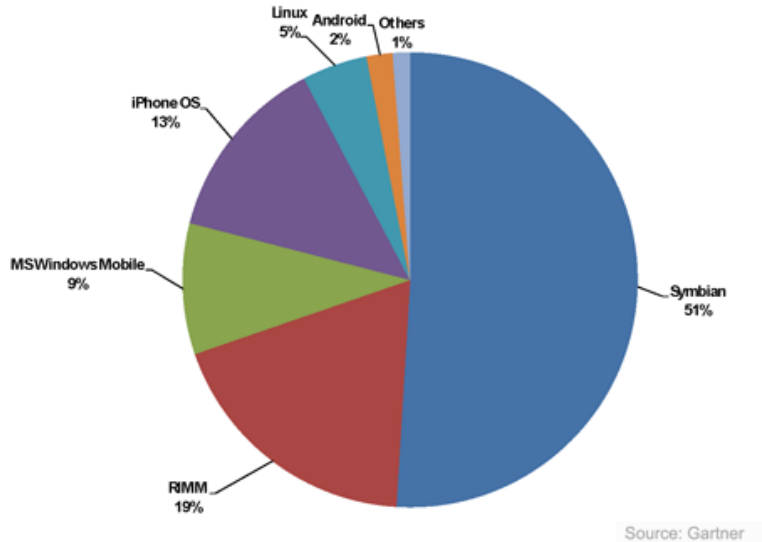
# Mobile devices



# Trends



# Mobile platforms

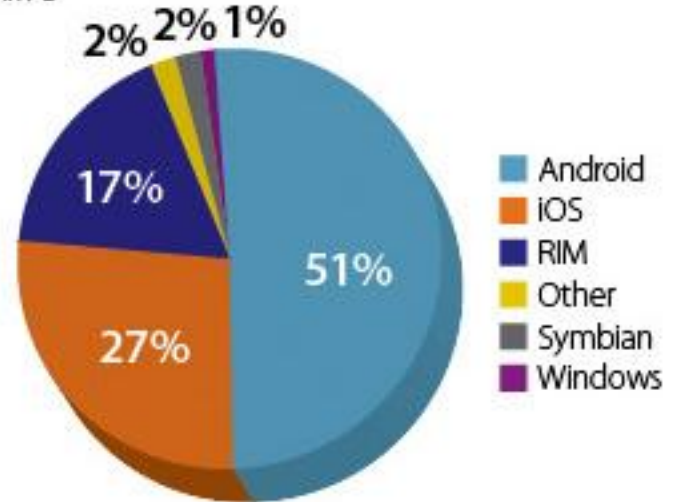


2009

Source: Gartner

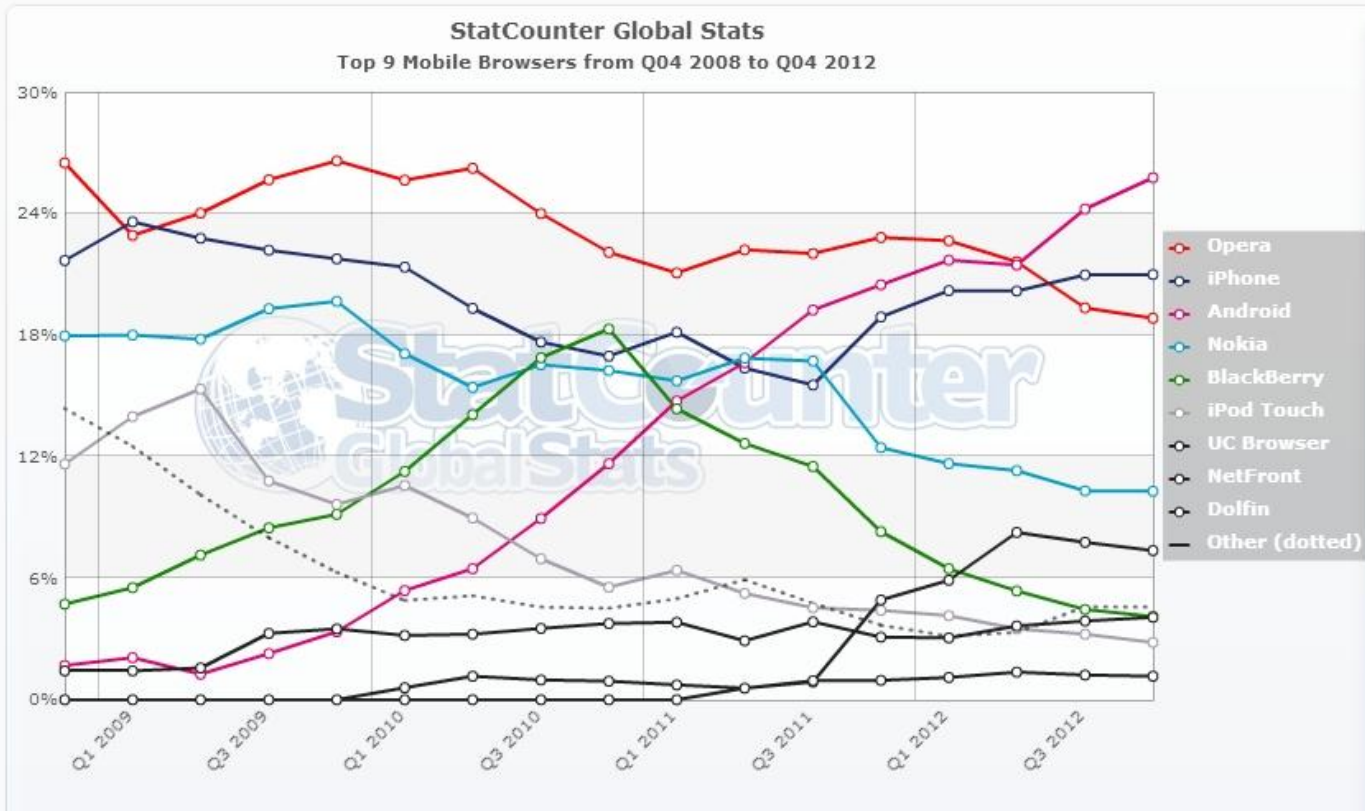
## Smartphone OS Mix

CHART B

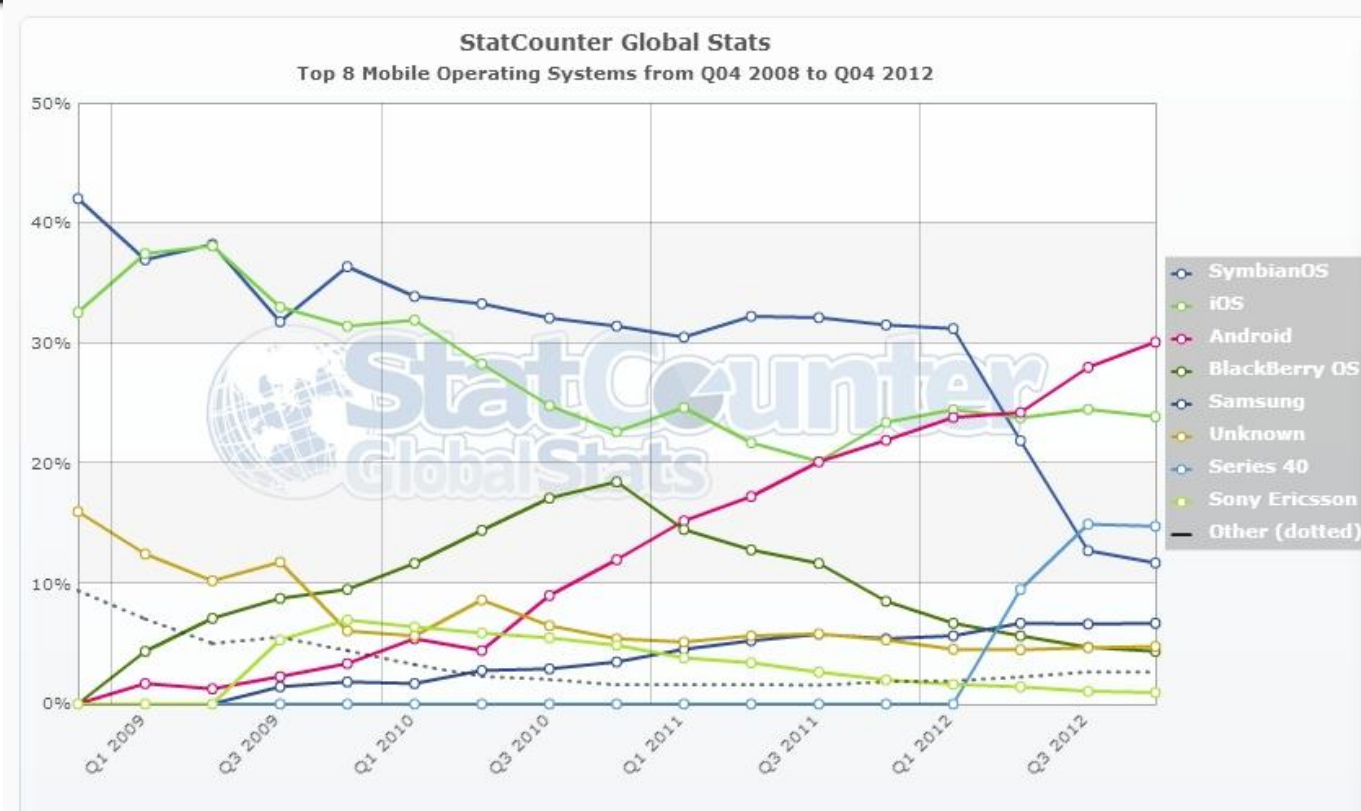


Source: Millennial Media, 2/11.

# Mobile platforms

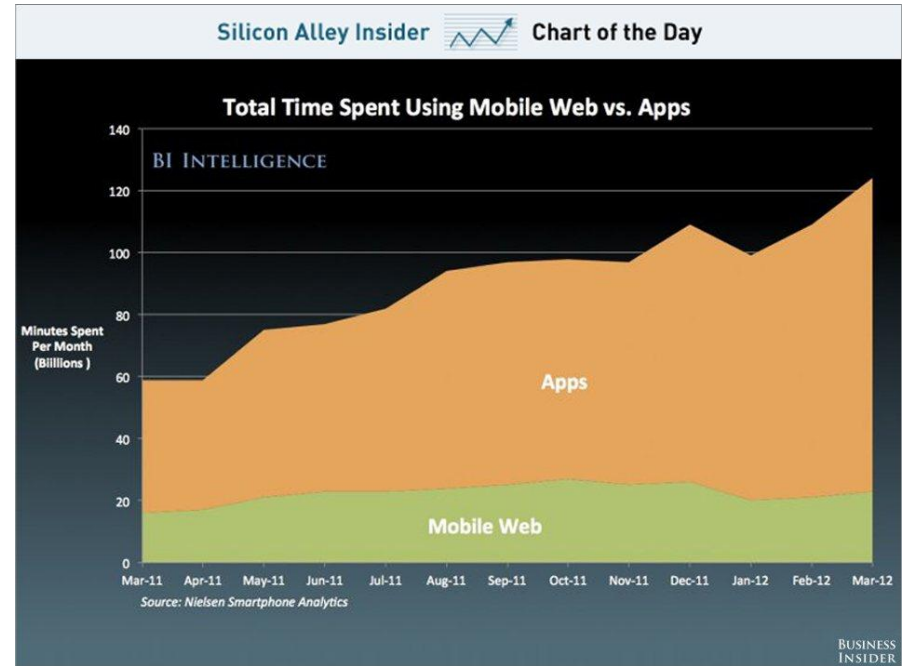


# Mobile OS



# Apps vs Mobile web

- 3 main systems:
  - Windows
  - IOS
  - Android
- Different development tools
- What can happen:
  - Phone selection has changed
  - Changes are made in PLM?
  - Browsers will disappear?










# Zuckerberg's Quote



**“Our Biggest Mistake Was Betting Too Much On HTML5”**

# HTML5

HTML5 = HTML+Js+CSS

OFFLINE 	STORAGE 	CONNECTIVITY 	FILE ACCESS 	SEMANTICS 
AUDIO/VIDEO 	3D/GRAPHICS 	PRESENTATION 	PERFORMANCE 	NUTS & BOLTS 

# Example CSS differences



```
background: #1e5799; /* Old browsers */
```

```
background: -moz-linear-gradient(top, #1e5799 0%, #2989d8 50%, #207cca 51%, #7db9e8 100%); /* FF3.6+ */
```

```
background: -webkit-gradient(linear, left top, left bottom, color-stop(0%,#1e5799), color-stop(50%,#2989d8), color-stop(51%,#207cca), color-stop(100%,#7db9e8)); /* Chrome,Safari4+ */
```

```
background: -webkit-linear-gradient(top, #1e5799 0%,#2989d8 50%,#207cca 51%,#7db9e8 100%); /* Chrome10+,Safari5.1+ */
```

```
background: -o-linear-gradient(top, #1e5799 0%,#2989d8 50%,#207cca 51%,#7db9e8 100%); /* Opera 11.10+ */
```

```
background: -ms-linear-gradient(top, #1e5799 0%,#2989d8 50%,#207cca 51%,#7db9e8 100%); /* IE10+ */
```

```
background: linear-gradient(to bottom, #1e5799 0%,#2989d8 50%,#207cca 51%,#7db9e8 100%); /* W3C */
```

```
filter: progid:DXImageTransform.Microsoft.gradient( startColorstr='#1e5799', endColorstr='#7db9e8', GradientType=0 ); /* IE6-9 */
```

# Context of PLM

- PLM changes all the time
- Needs right & permissions to be correctly managed
- PLM is also about jobs' specific interfaces
- Most devices have and will keep having Internet Browsers for a while

# How to interface with Aras

- Using the API

Requires a .net server environment

- Using webservices

Any platform and any language supports webservices call

# Jquery, Dojo, Dhtmlx,...

Jquery : <http://jquerymobile.com/demos/1.2.0/>

Dojo : <http://demos.dojotoolkit.org/demos/mobileGallery/demo-iphone.html>

dhtmlx: <http://dhtmlx.com/touch/samples/apps/menu/index.html>



**Mobilize.js**



# Samples

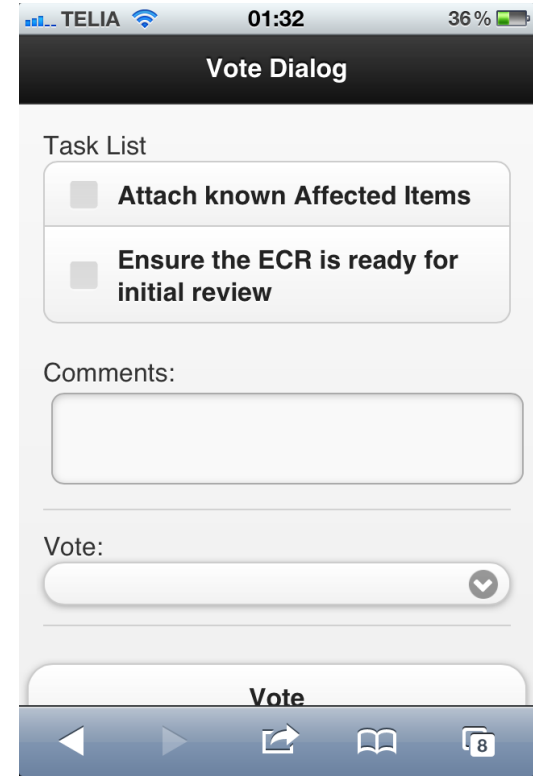
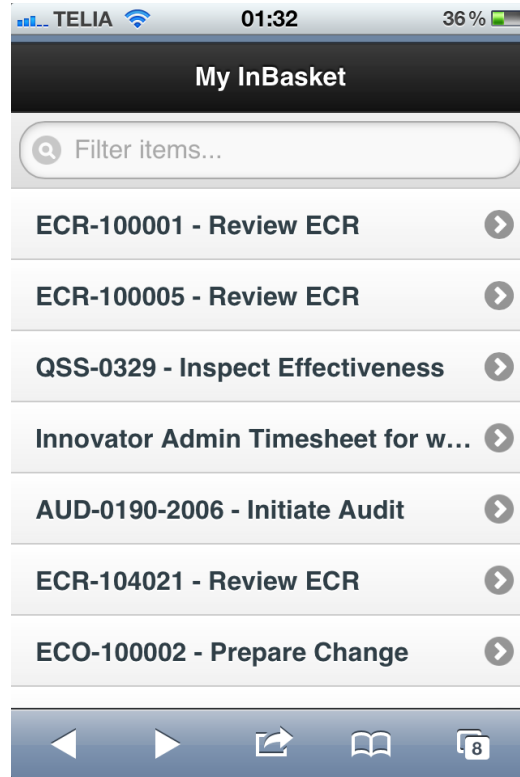
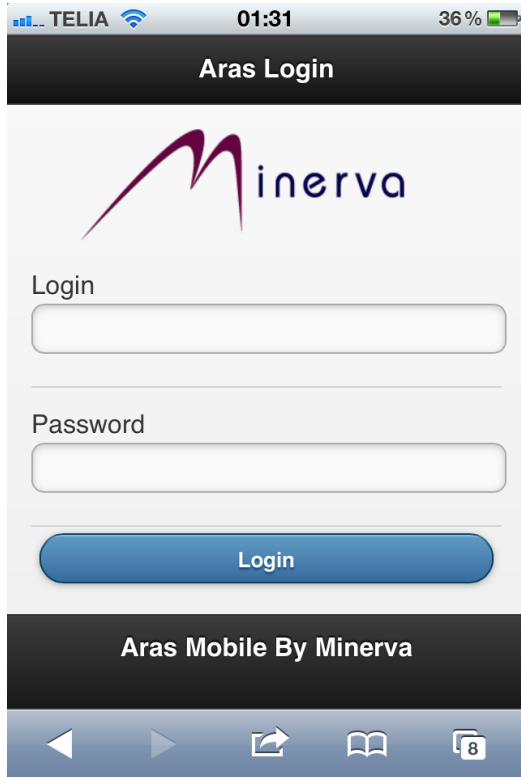
Simple html page  
consuming Aras  
webservice, accessed  
from an IPAD

The screenshot shows a web browser interface on an iPad. At the top, there is a Skype logo and the Minerva logo. The main heading is "iPad Access for Minerva PR reporting" with a sub-heading "This web application allows you to fill or visualise PR from the Minerva Aras Database". Below this is a search bar labeled "PR Number" with a "SEARCH" button. The main content area is a form with the following fields:

Item Number	PR-100004
Service Emitter	Minerva Quality 2
Reason for the request	Amaliation Process 2
Provider	Origin
Purchasing Manager	DBM
Production Code	
PR Title	Text
Affectation	Project 2
Reference	
Problem description	Thoug

On the right side, there are two sections: "Last Created PR" with a list of PR numbers (PR-100007, PR-100008, PR-100009, PR-100000) and "Aras Links" with two URLs: <http://www.aras.com> and <http://www.minerva.com>. Below these is the text "ECR / ECN".

# Samples





# Now let's play with it

<http://bit.ly/RxRB1e>

