



# 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

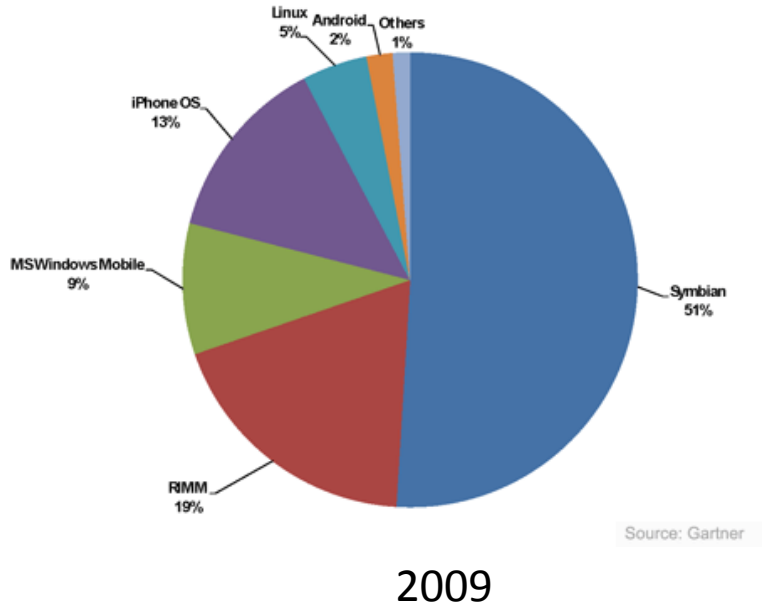
# Mobile devices



# Trends

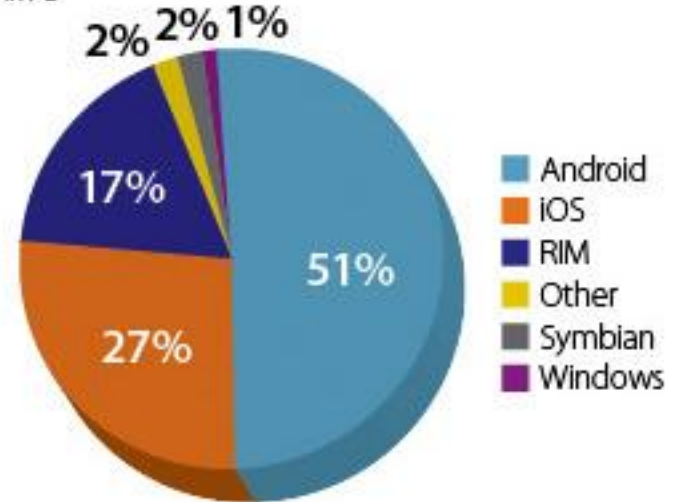


# Mobile platforms



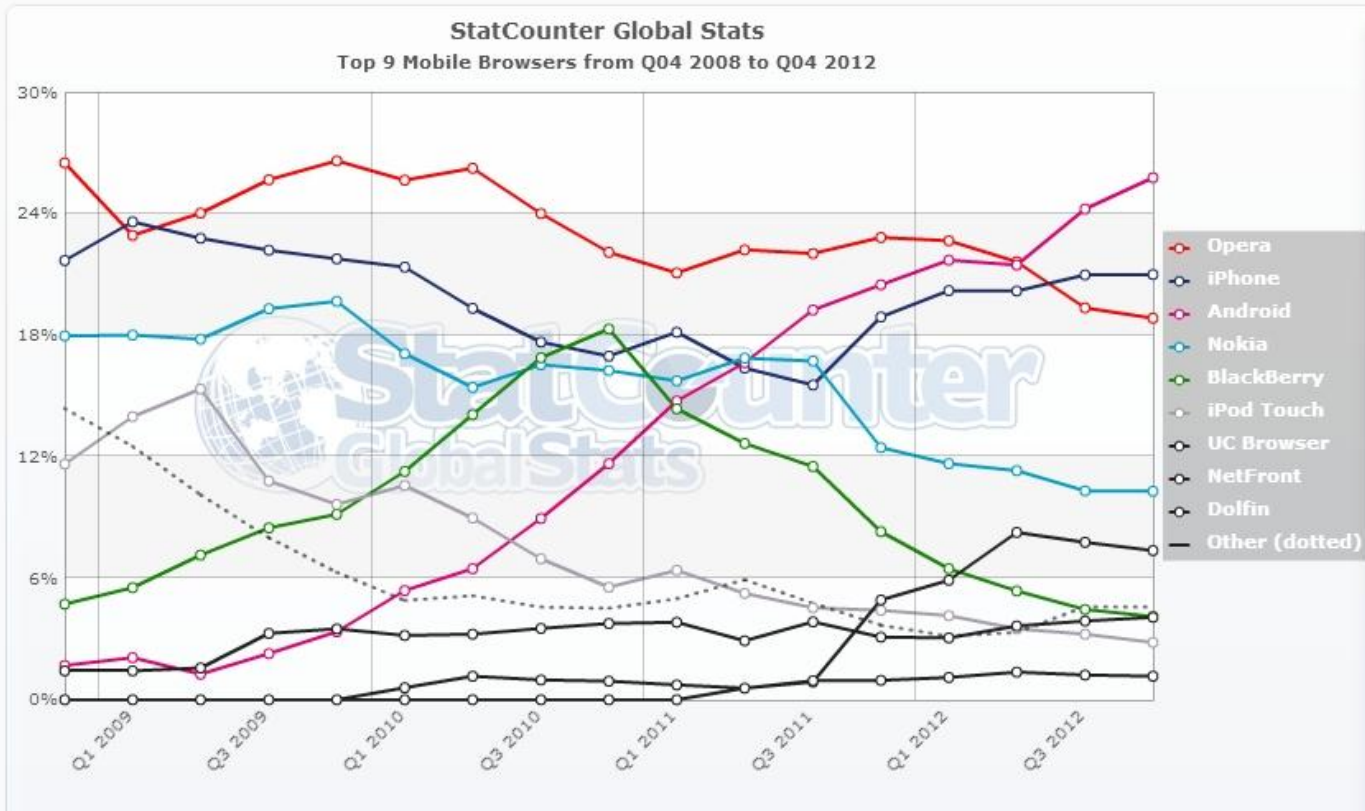
## Smartphone OS Mix

CHART B

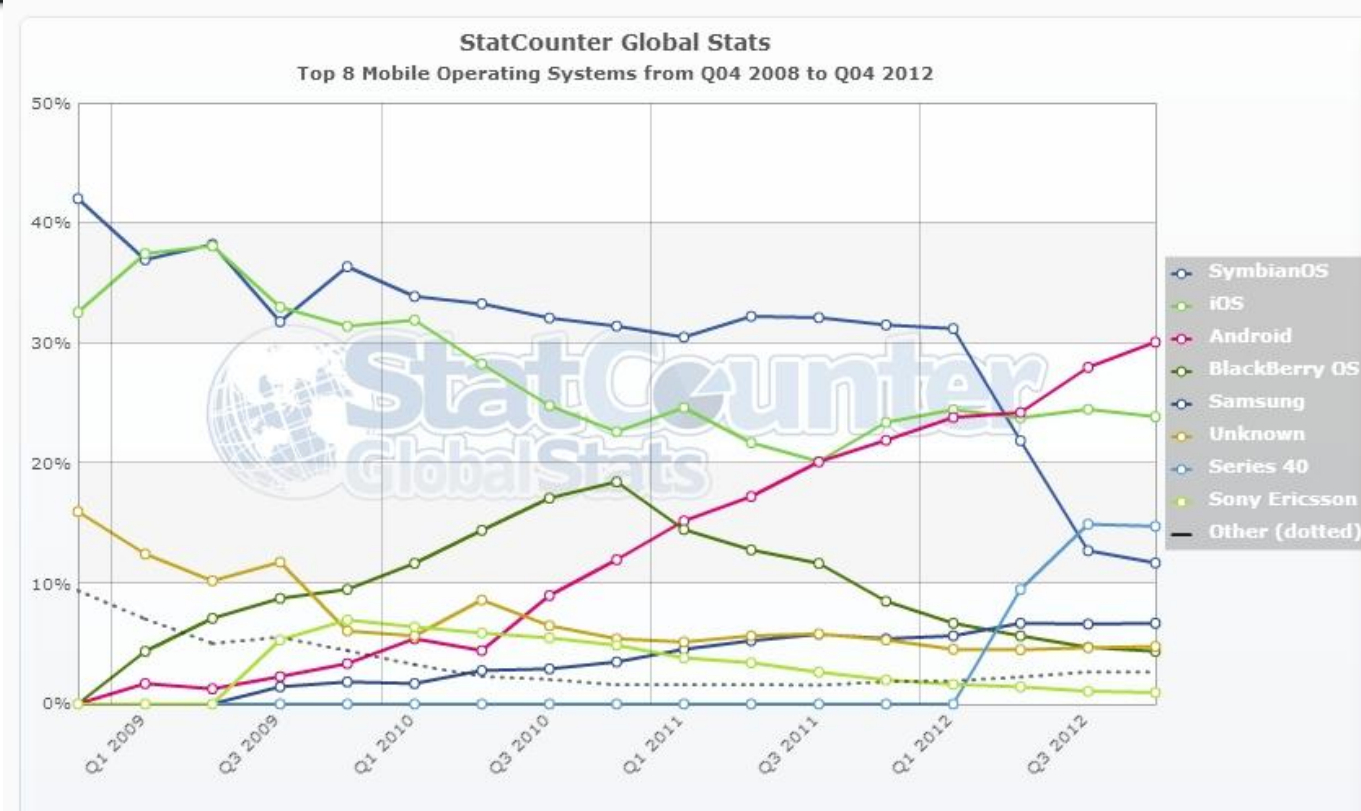


Source: Millennial Media, 2/11.

# Mobile platforms

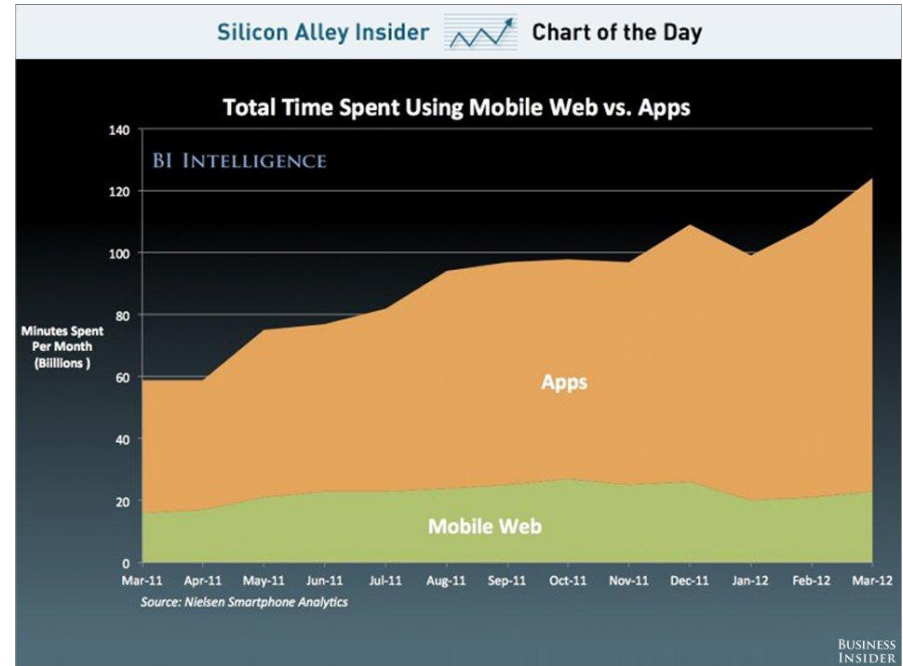


# Mobile OS



# 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

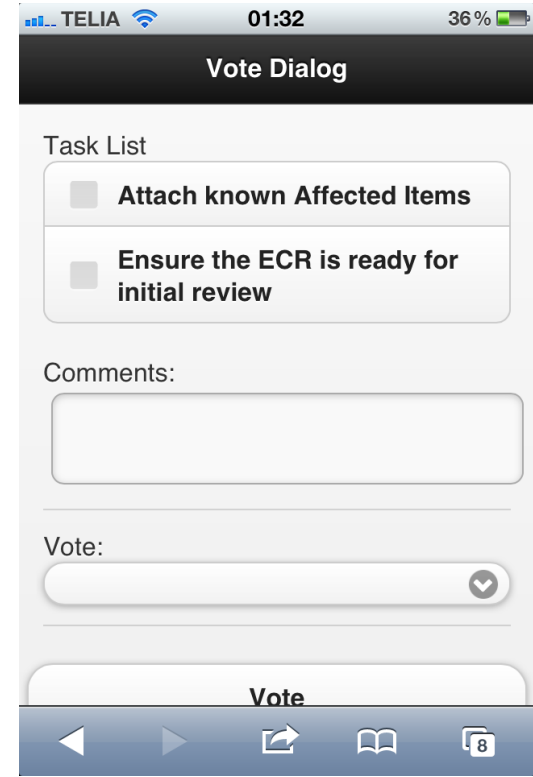
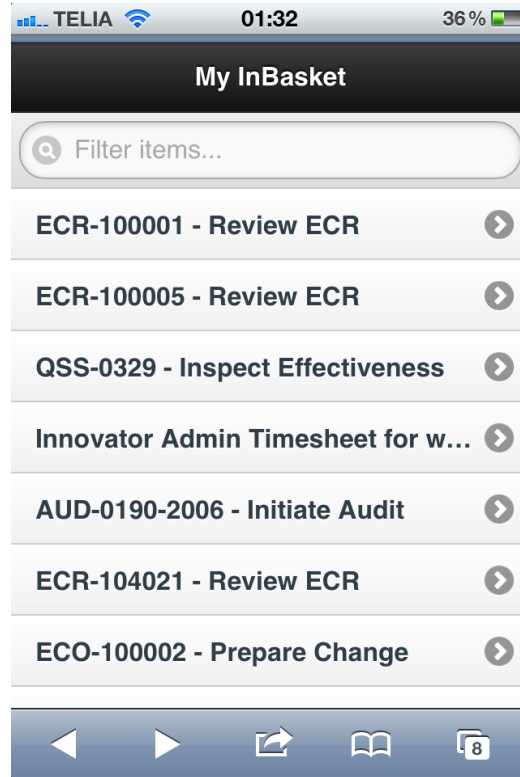
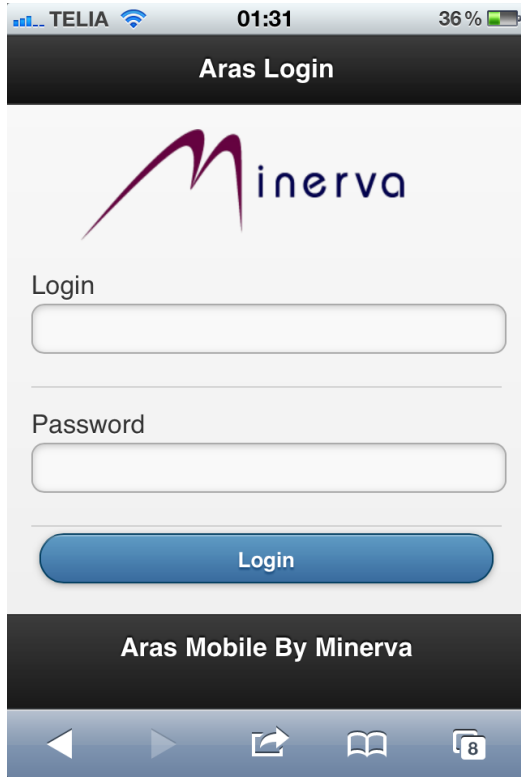
The screenshot shows a web browser interface for 'iPad Access for Minerva PR reporting'. The page features a search bar at the top with the text 'PR Number' and a 'SEARCH' button. Below the search bar is a form with several input fields and dropdown menus. The form fields are labeled as follows:

- Item Number: PR-100004
- Service Emitter: Aras Quality
- Reason for the request: Amendment Process
- Provider: Origin
- Purchasing Manager: Dima
- Production Code: (empty)
- PR Title: Text
- Affectation: Project
- Reference: (empty)
- Problem description: Thoug

On the right side of the page, there is a sidebar with the following sections:

- Last Created PR**: A list of PR numbers: PR-100007, PR-100008, PR-100009, PR-100000.
- Aras Links**: Two links: <http://www.aras.com> and <http://www.minerva.com>.
- ECR / ECN**: A section header.

# Samples





# Now let's play with it

<http://bit.ly/RxRB1e>

