E-Logbook Reloaded

or the Renovation of DESYs Electronic Logbook

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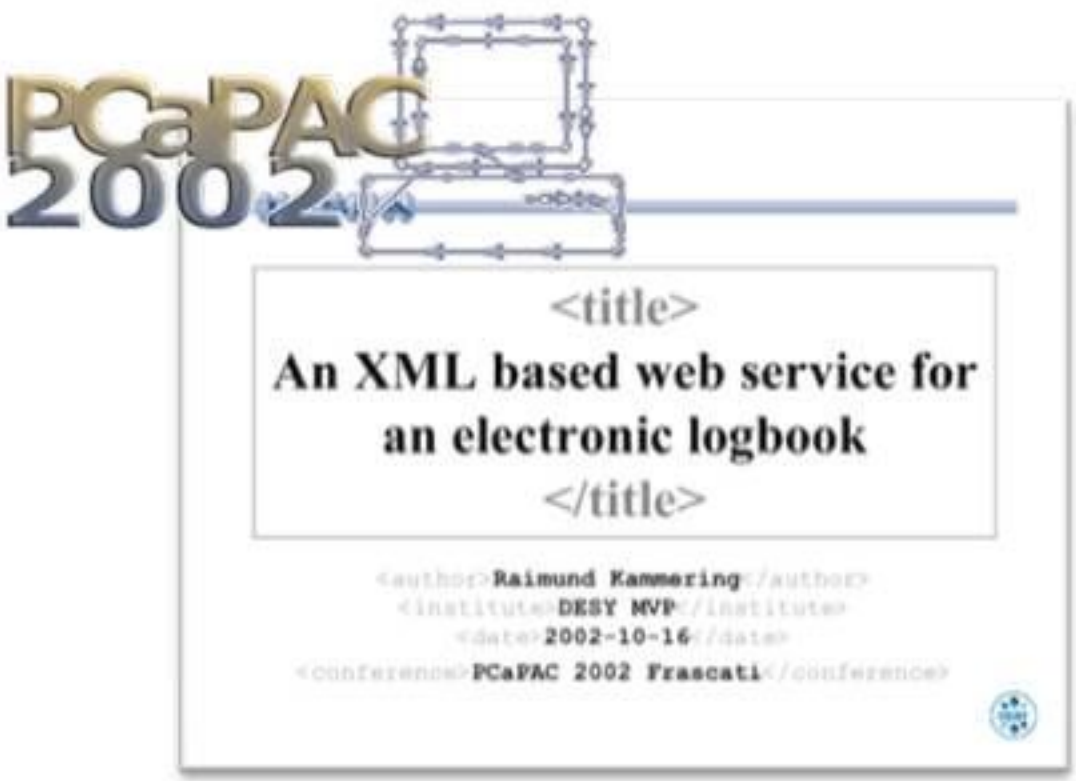
ICALEPCS – Web technologies

Kobe Japan, October 12-16, 2009

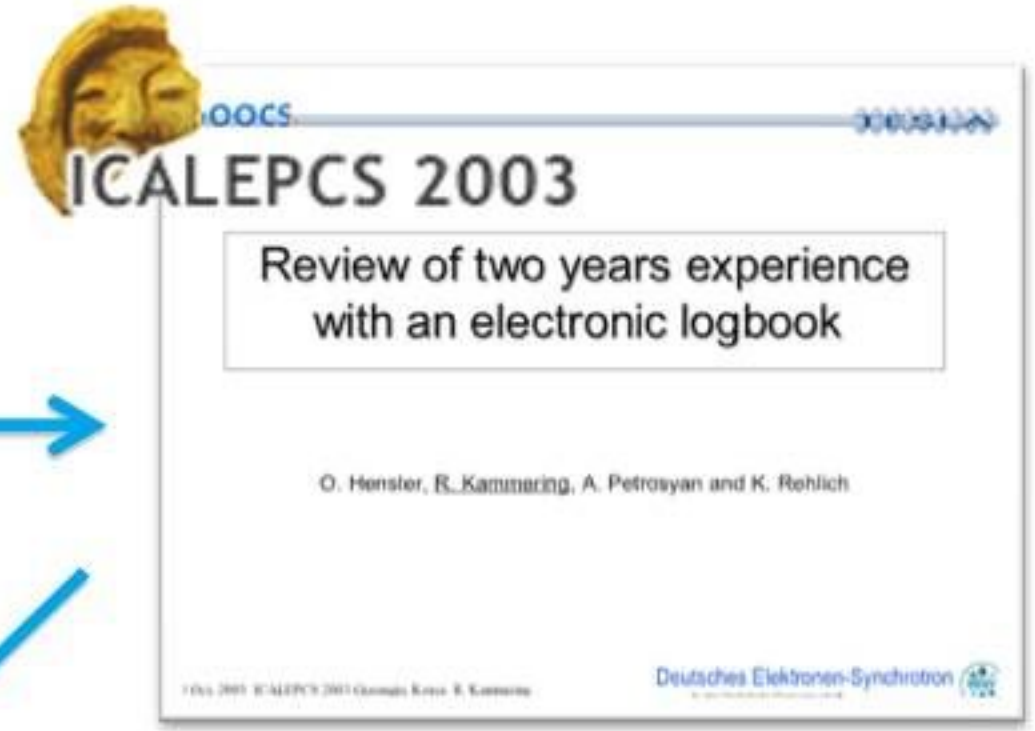
HELMHOLTZ | ASSOCIATION

DESY

The e-logbook talk cycles



1 yr



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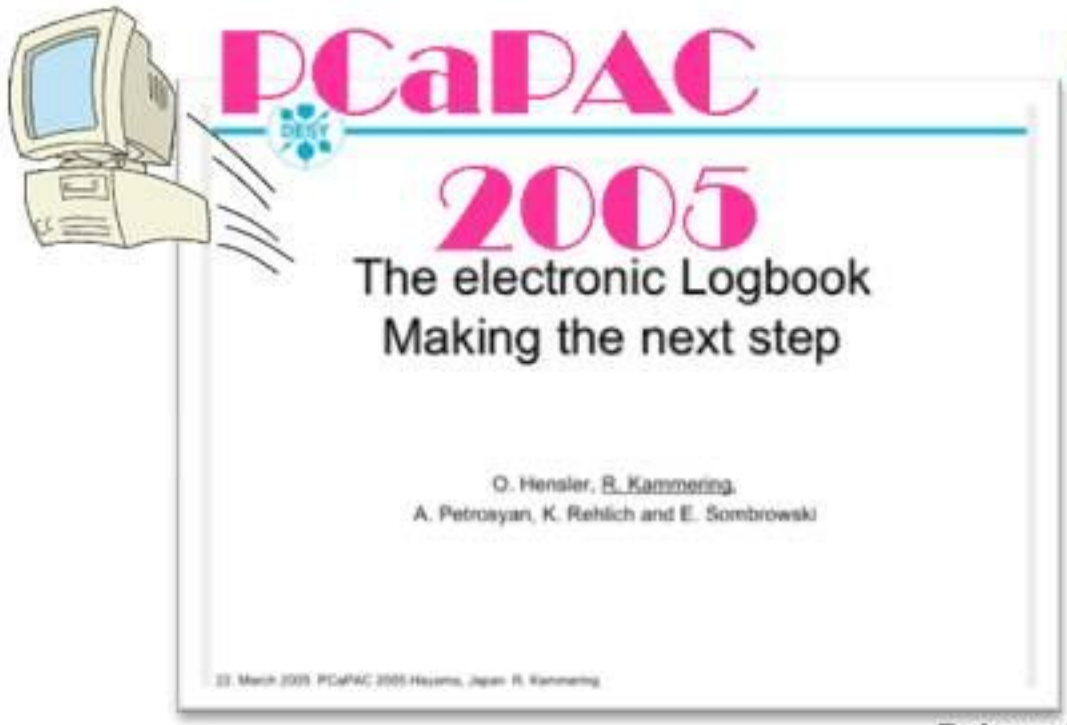

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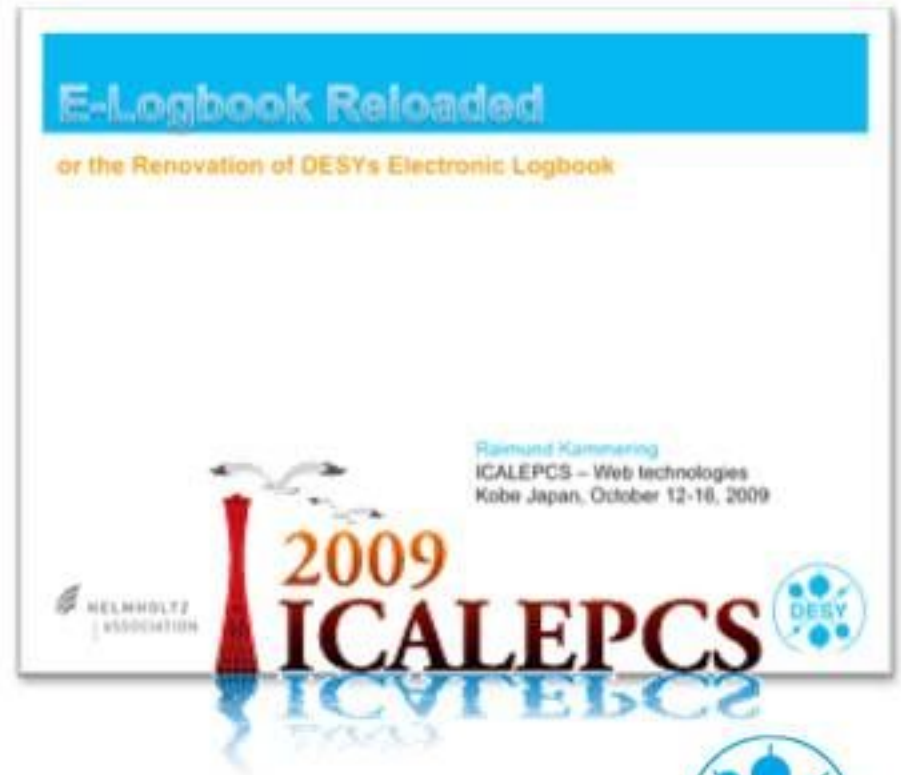


The e-logbook talk cycles

E-Logbook Revolutions

or the never ending story of
DESYs Electronic Logbook

PCaPAC 2017, Japan

Joint DESY controls group

Outline

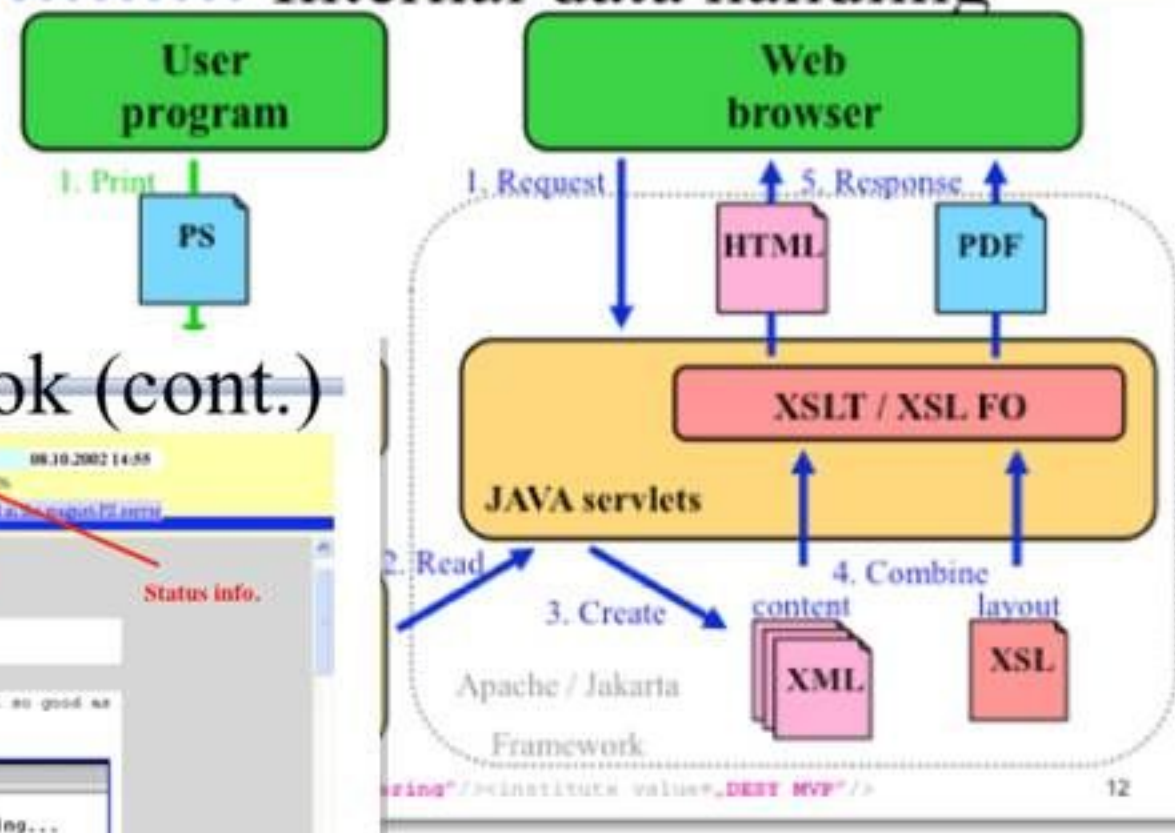
- History
- e-logbook renovation
  - Motivation
  - Navigation tree
  - e-logbook manager
  - Coming soon
  - Putting it all together
- Some facts, thoughts & conclusions

History

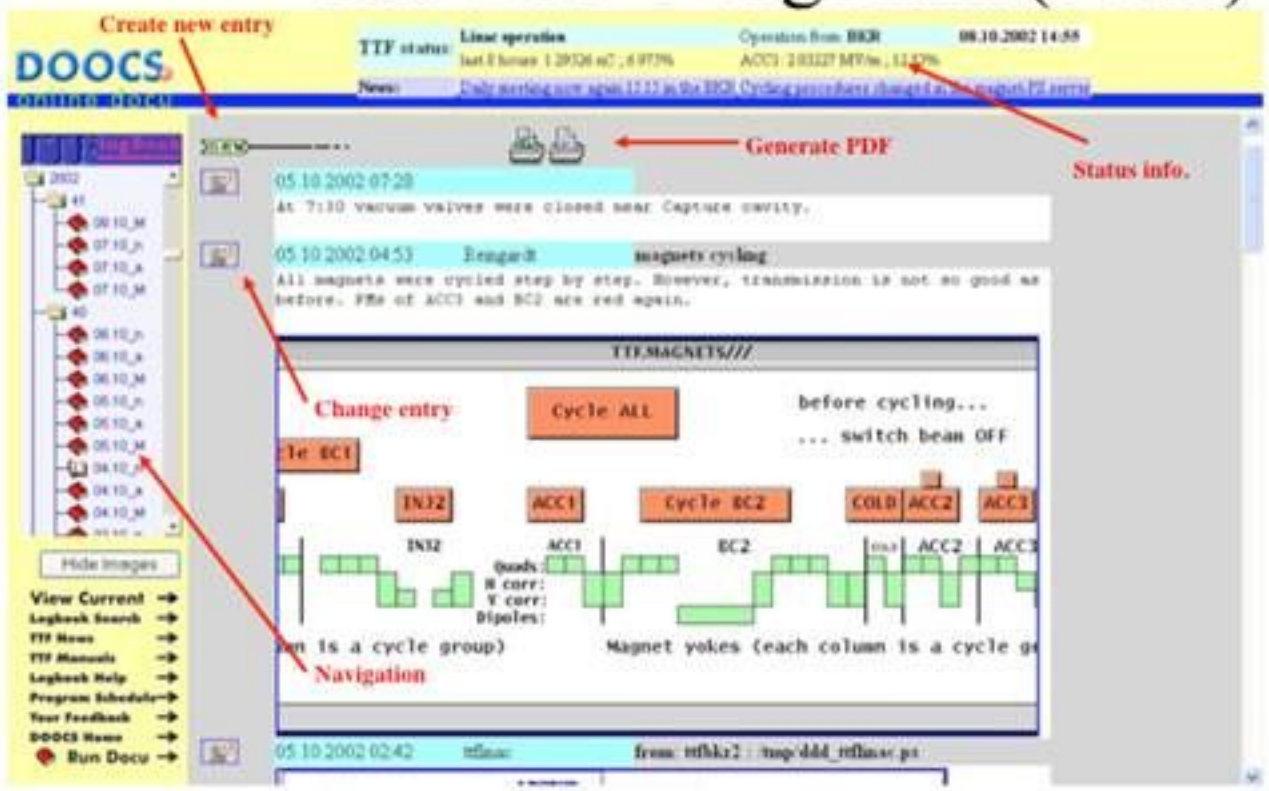
Requirements

- **Simplicity**:
  Input must be self describing and easy
- **Availability**:
-

Internal data handling

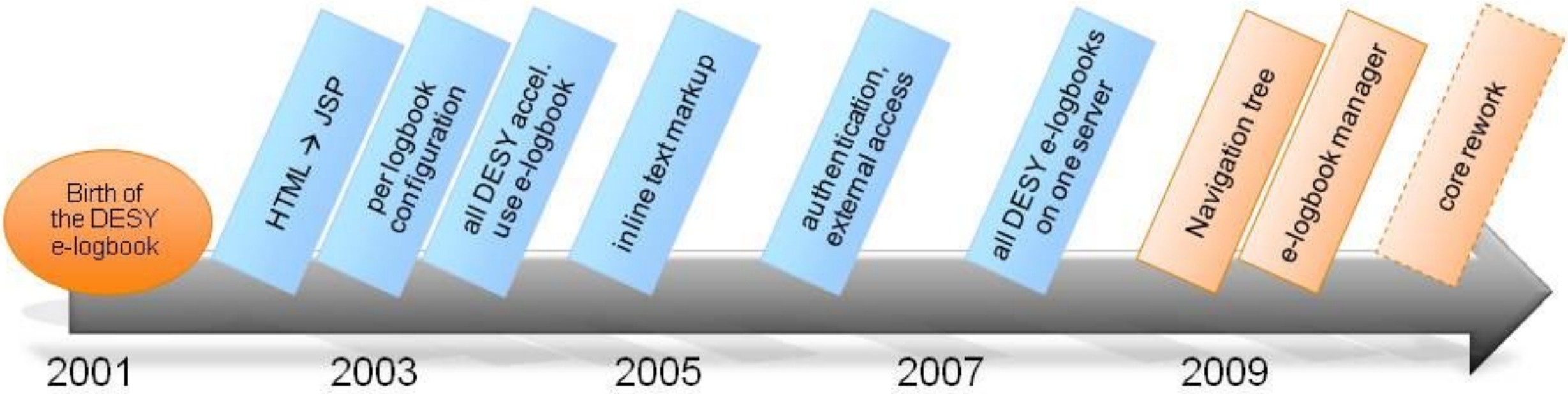


The TTF e-logbook (cont.)



History

Central e-logbook configuration
Central e-logbook configuration
logbook name
shift period
language setting
date format
date title format
text layout
background color


Birth of the DESY e-logbook
HTML → JSP
per logbook configuration
all DESY accel. use e-logbook
inline text markup
authentication, external access
all DESY e-logbooks on one server
Navigation tree
e-logbook manager
core rework
2001
2003
2005
2007
2009

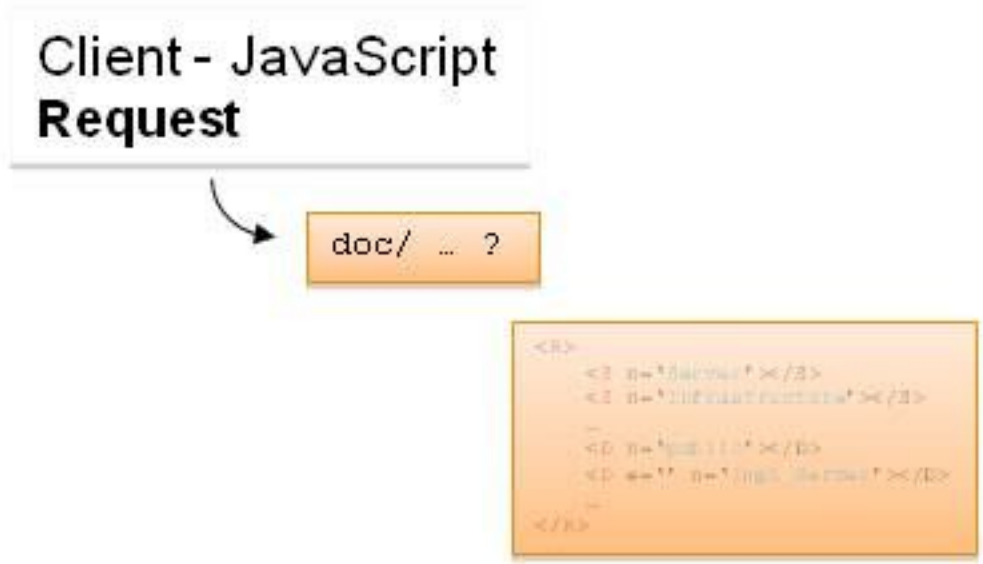
Wiki like markup
Wiki like markup
Bold to emphasize
Tables are more readable
Links
Lists to order things
Lines to comment

e-logbook renovation: Motivation

On **ICALPECS 2003** I gave the outlook:

e-logbook renovation: Navigation Tree

Replaced **Java Applet** navigation tree by a **AJAX based**

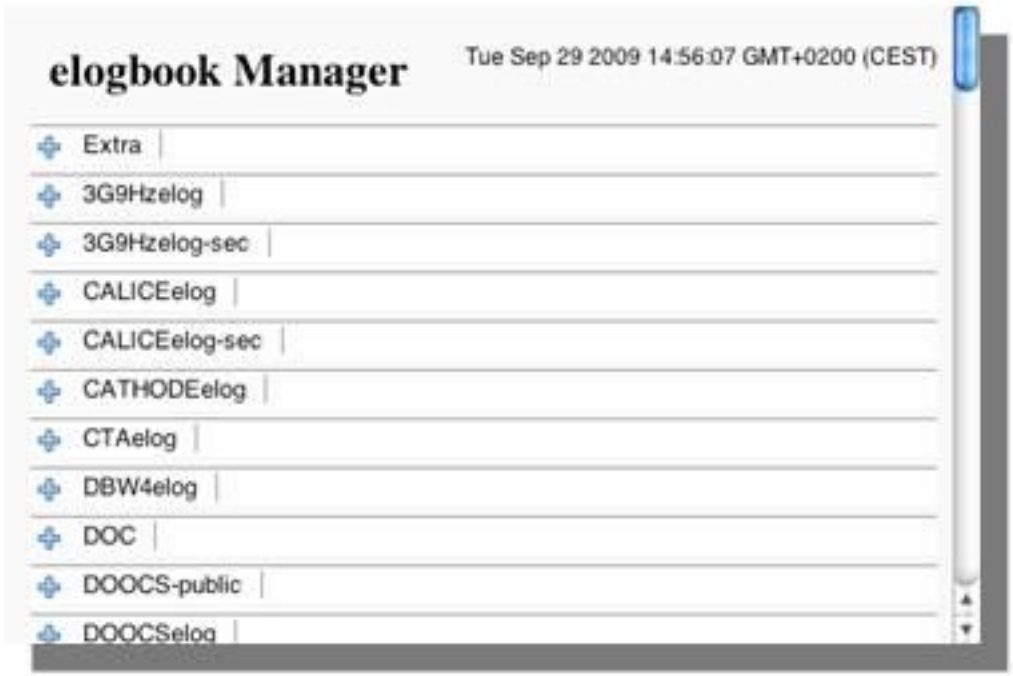


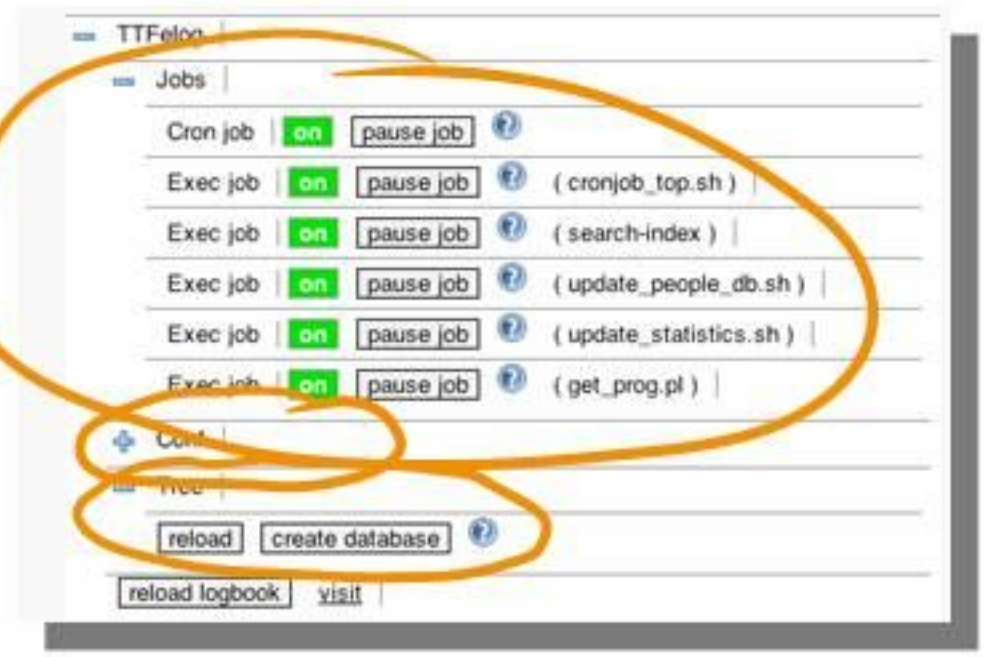
http://www.prototypejs.org/

- much better user experience
- dynamic reload of server side changes
- synchronization of content view and navigation tree

e-logbook renovation: e-logbook manager

Manage all logic in **one manager application**

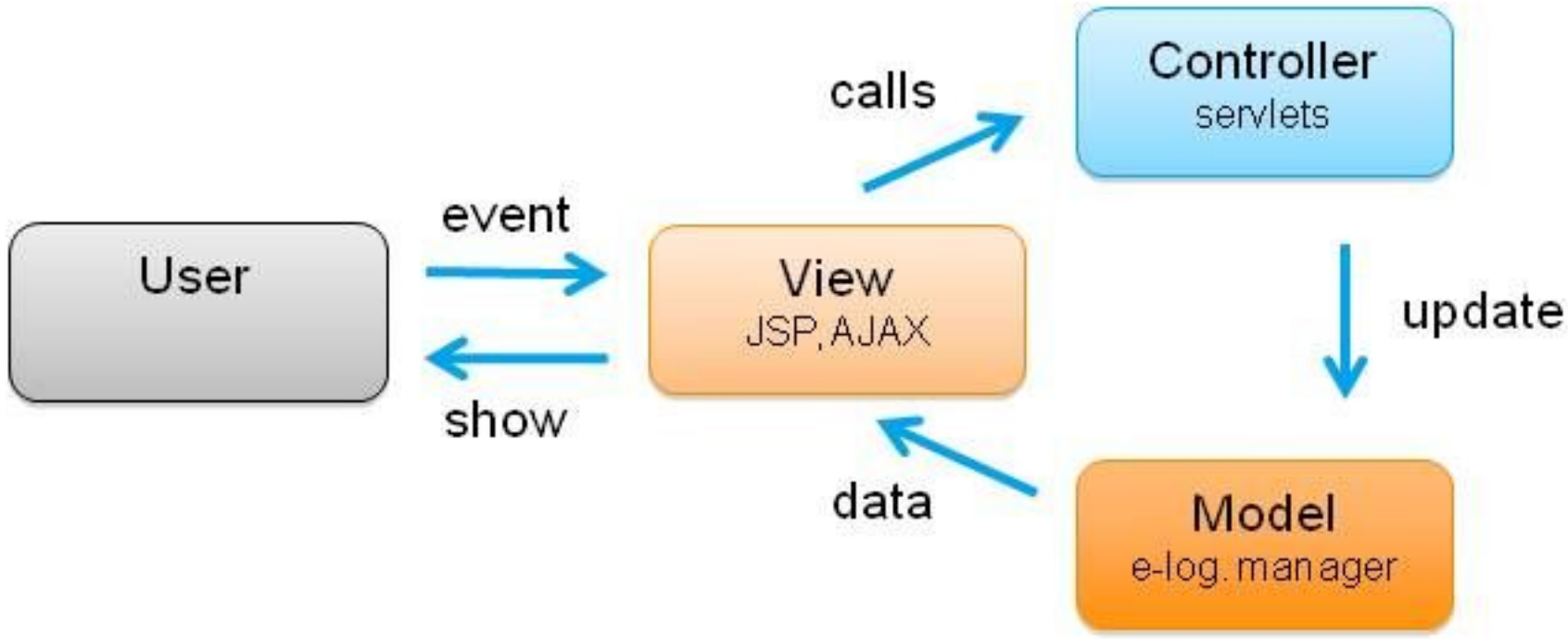




- manage navigation trees (create, serve, …)
- periodic job scheduler (Open source project: Quartz http://www.opensymphony.com/quartz/)
- front end for e-logbook configuration

e-logbook renovation: Coming soon

Refactoring the **e-logbook core** in the Model View Controller sense



- **View**: JSP, AJAX — receives user input, displays data
- **Controller**: Servlets — control access, update the model
- **Model**: e-logbook manager — keeps state, manages configurations

e-logbook renovation: Putting it all together

This changes will enable us to:

- **personalize** e-logbooks completely by use of the **configuration file**
- **create new** e-logbook **instances** with a click
- **install** a **new** e-logbook **server** by simply deploying the war file
- have **one clean entrance** to the e-logbook (needed for SSO)

→ Make the e-logbook one clean, monolithic web application

Some facts, thoughts & conclusions

Requests for copies of the e-logbook are **still not ending**

more than 20 institutes requested copies

Some facts, thoughts & conclusions

- **Interest** for the DESY e-logbook **is not ending**
- Absolutely **mandatory tool** in every accelerator facility (why isn't IT providing this service?)
- **Used beyond** the original **scope** (group book, help system, …)

→ Many requests for support & maintenance (~**1 mail/day**)

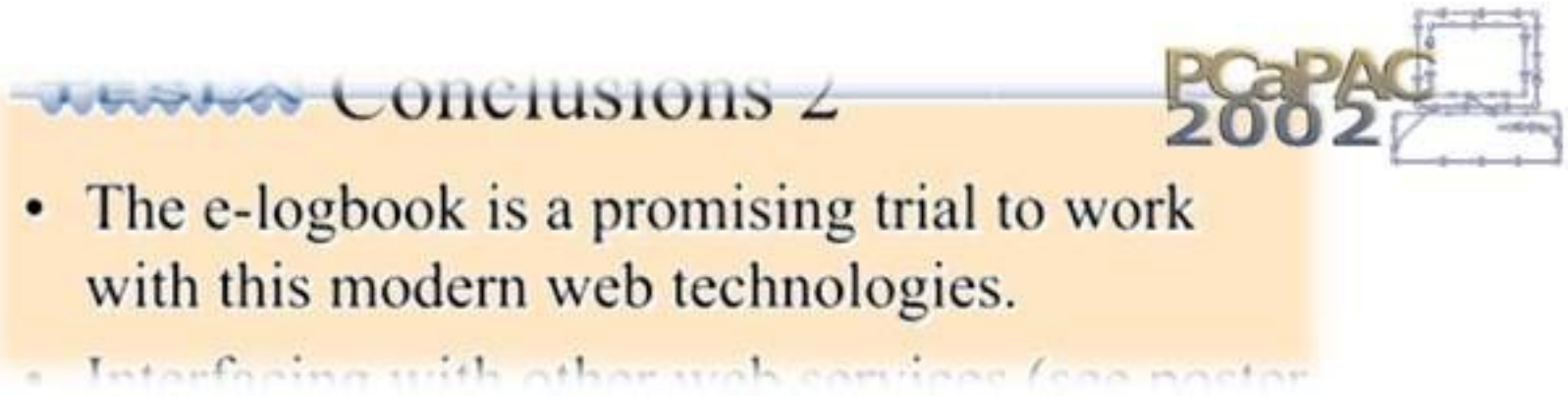
→ **Workload** produced by the e-logbook still **high**

→ **Easy packaging, deployment and maintainability** is of major importance

Some facts, thoughts & conclusions

- Some parts are in need of consultation
- We did a big step in this direction

It started as a **test** for **web technology** in the accelerator sector:



Thank you for your attention!

I'll be back in 2017