

Advanced communication between exhibits and individual pupils

- **Target group:**
- Children of 10-12 years in schoolgroups
- Teachers and student teachers



Vision

- To maximise the learning benefit
- Constantly challenging our means of communication and challenge our visitors
- Experiment with new educational and technical tools



Objective

- Increase the individual's level of interest and engagement in the exhibition.
- Increase the level of reflection at individual exhibits, and thereby help to optimise the learning benefit gained from the scientific and technical points communicated by these exhibits.



Goal

- Create a **'room of reflection'**
- **Personal**, i.e. each user experiences the story as being his or her own story. Motivating.
- **Interactive**, but in a semi-closed structure
- **Socially/outwardly-oriented**, to team up.
- **Meta-narrative**, who is asking?



The subject of the story

- The users physiology, senses, logical intelligence, social skills, habits, appearance, psychological aspects (e.g. prejudices)
- The Sound Box as well as other exhibits in the Experimentarium's main exhibition



Technology:

- The childrens own mobile phones
- From the system to the user: telephone calls.
- Two-way dialogue: WAP.
- Geographical localisation: Bluetooth (the system must however also be capable of being used with telephones which are not Bluetooth-enabled).



Seminars (teachers/students)

- Introduce the educational profile in the “Personel Exhibition” and the test-results.
- Introduce the use of narratives in science education in the primary school.
- 4,5 hours each seminar
- Up to 500 participants (200 student teachers and 300 in-service teachers).

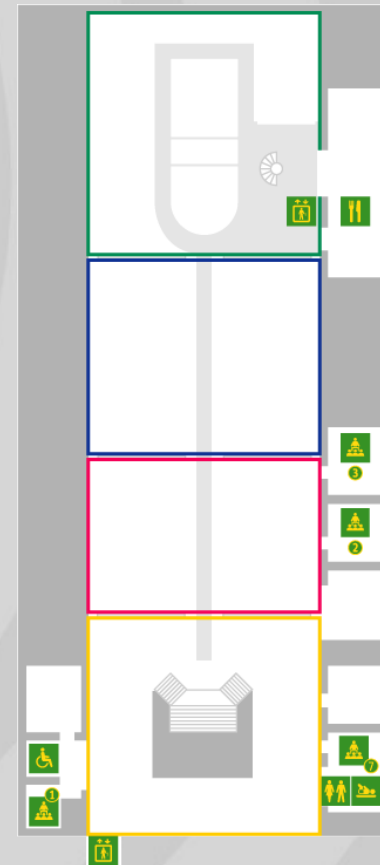
Partners

- Experimentarium project group
- Researcher Anne (University of Southern Denmark)
- Manuscript author: Michael Valeur
- Server solution, telephone dialogue, WAP programming, etc.: UNWIRE
- Gentofte Schools Department: Head of Schools Jan Hansen
- BLIP systems (the Bluetooth components)



Timetable

- Establishment of the development consortium: April – August 2006.
- Manuscript: August – October 2006.
- Educational hypothesis, baseline: November 2006.
- Technical implementation: November 2006 – January 2007.



Timetable (cont.)

- Alterations in the main exhibition: December 2006.
- Test period: February – March 2007.
- Collection of scientific empirical research: April – May 2007.
- Seminars May-June 2007.
- Report: September 2007.



Thank you for your attention!

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