

Learning and Teaching in the Inverted (flipped) Classroom

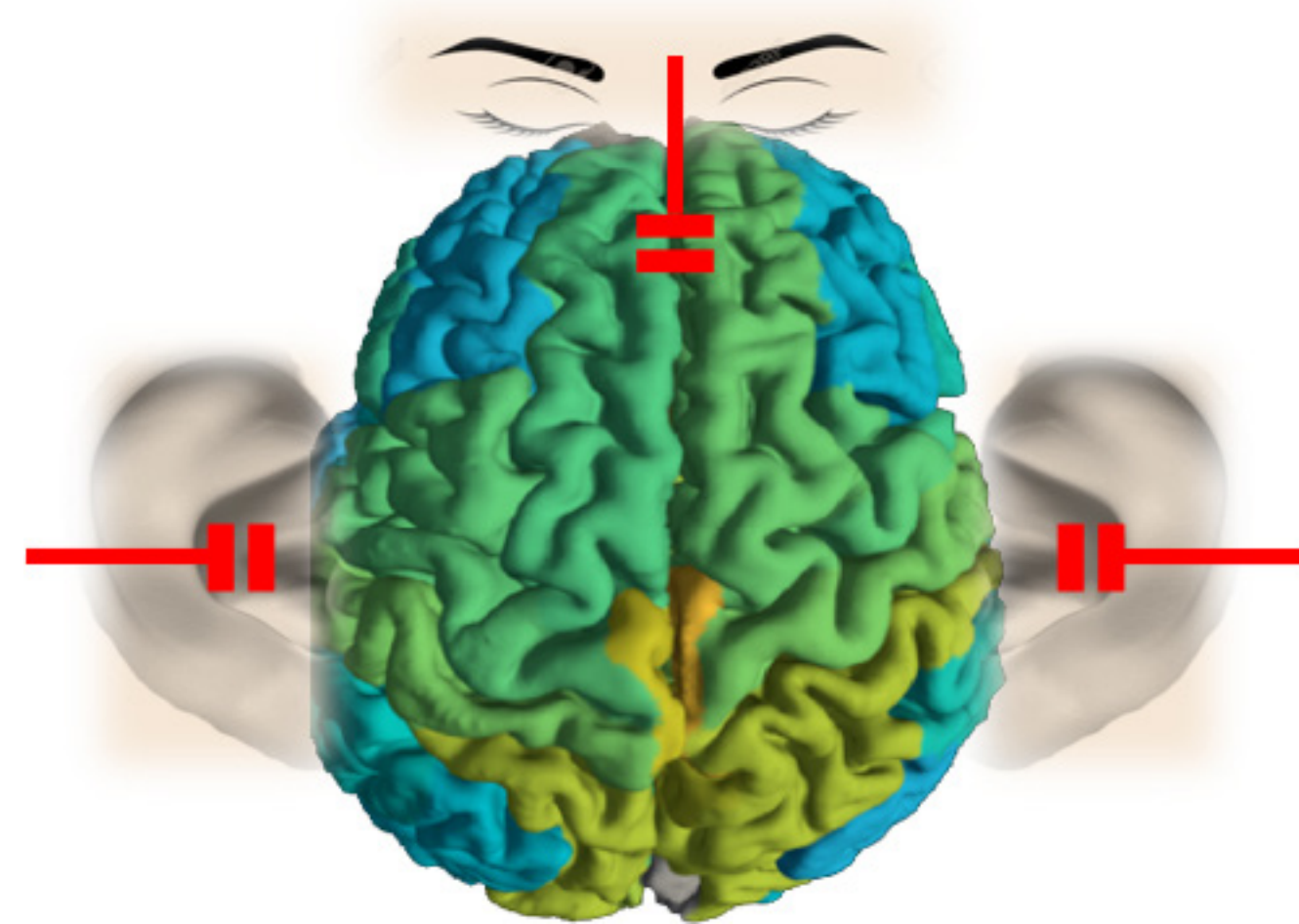


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The Problem

- The classical strategies of teaching and learning can no longer cope with the increasing amount of knowledge and the increasing number of students.
- The traditional front lecture teaching exceeds the receptivity of the untaught student and does not consider the intellectual and linguistic heterogeneity of the audience.

In the untrained student: Eyes and ears are „blocked“. Perception of new knowledge is **less than 5%**...

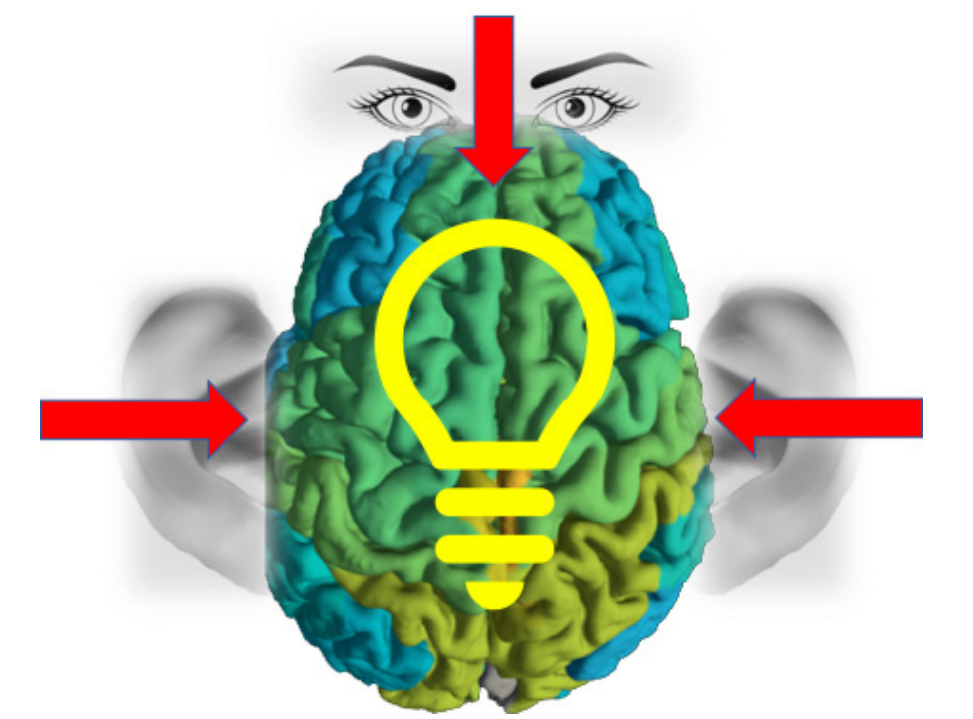


The Solution

Change mentality

- **Teacher:** provide schedule of topics & diagnoses to be presented.
 - **Student:** train the brain and get tuned by learning basic knowledge on the topic before lecture, using e-learning platforms or books.
- **Medical School:** provide technology (Audio Response System).

In the pretrained student, eyes and ears get open and receptive. Perception of new Knowledge in an interactive setting is **up to 90%**

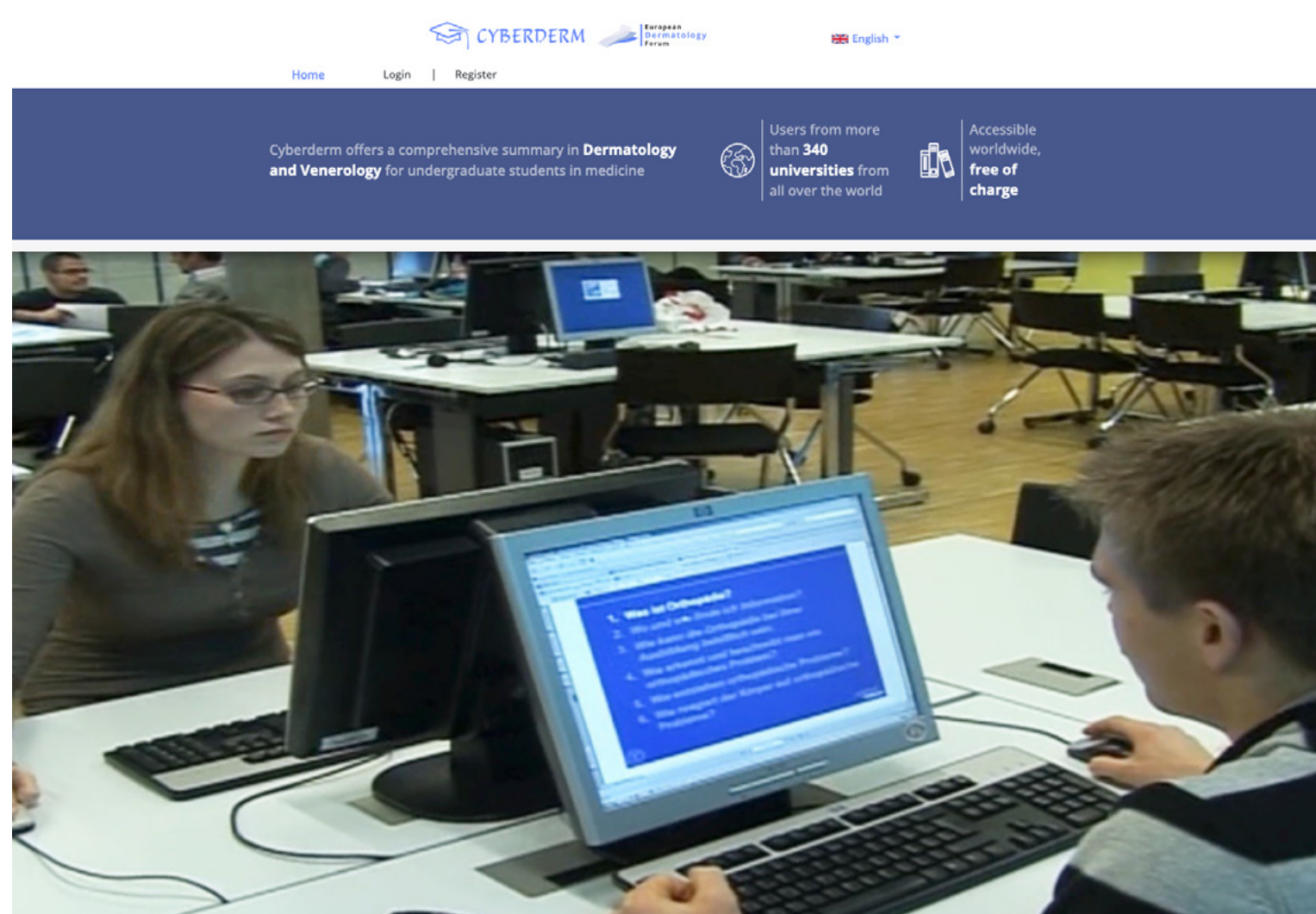


The Concept

Blended adaptive (personalised), interactive learning and teaching in the converted/flipped classroom.

- **Learning with DOIT** (www.cyberderm.net) + a free, multilingual, interactive and entertaining e-learning platform with >35'000 registered users from >300 Universities in >70 countries.
- **Teaching:** interactive teaching, using a live polling tool.

Today: Independent e-learning



Middle Ages 500-1500

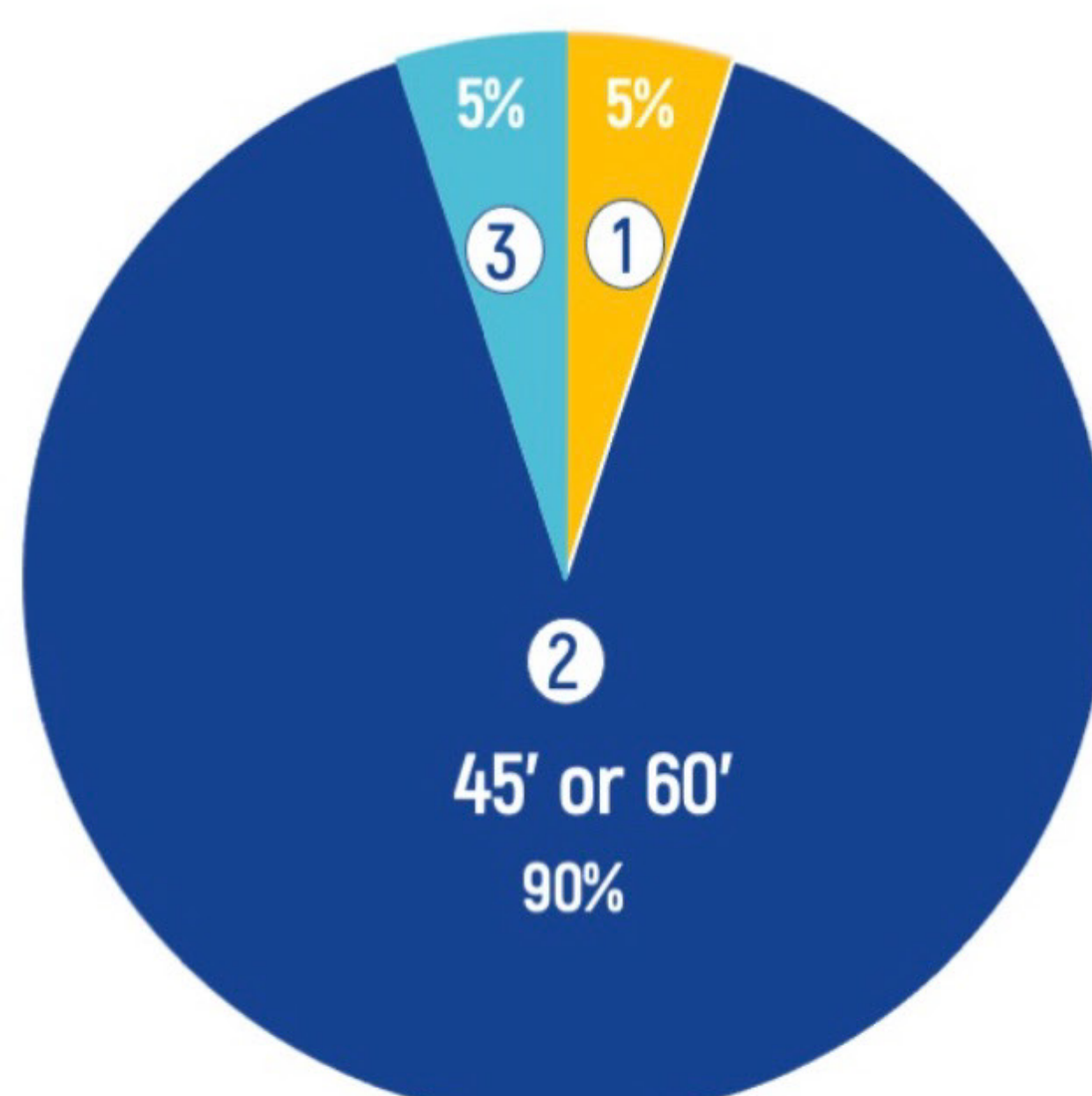


Tomorrow: Interactive teaching with ARS*



The Implementation

Basic structure of interactive lecturing



1. Discussion of open questions of last lecture
2. Lecture
3. MCQ & Audience Response Systems (ARS)

The Erasmus+ Project

<https://www.hedulearnit.org/project-results>

- The “Harmonized European Dermato-Venereology Undergraduate blended LEARNING Implementation and Training” (HEDU_LEARN_IT) is a Strategic Partnership for Higher Education-Project, running from 2018-2021 and beyond.
 - Participants are the following Departments of Dermatology: Barcelona, Brussels, Dessau, Helsinki, Magdeburg (Leading Office), Paris, Verona and Zagreb.
- The aim of the project is the harmonization of Medical Undergraduate Training in Dermato-Venereology in Europe.
- Implementation of personalised blended learning in a converted (flipped) classroom.
- Editing printed guidelines of contents and formats for teaching and learning Dermato-Venereology in Europe.
- Revision of the DOIT e-learning platform (www.cyberderm.net).