Increasing interactivity in class

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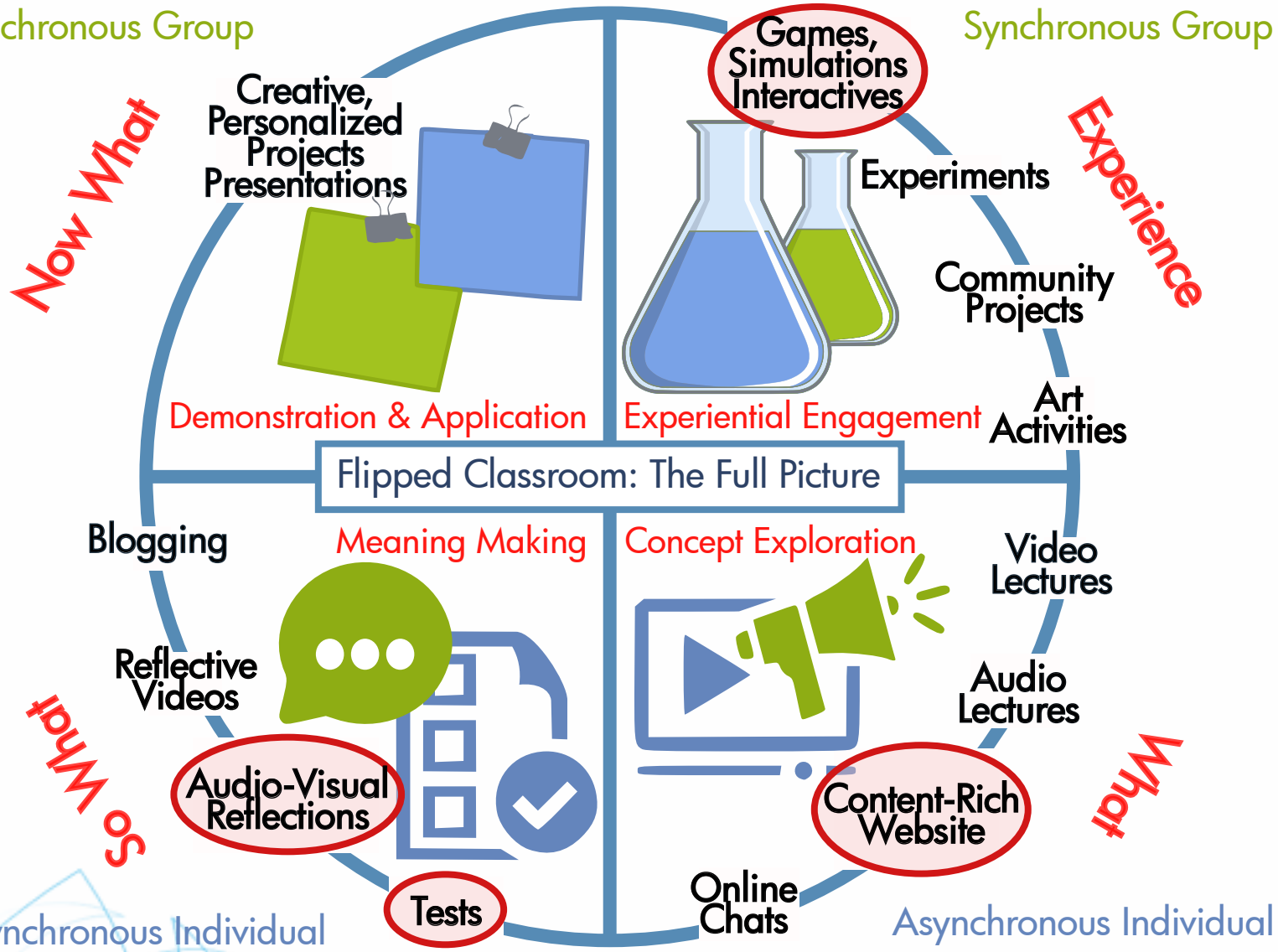
General overview

Problem description

General overview

Theoretical framework (Jackie Gerstein, 2012)

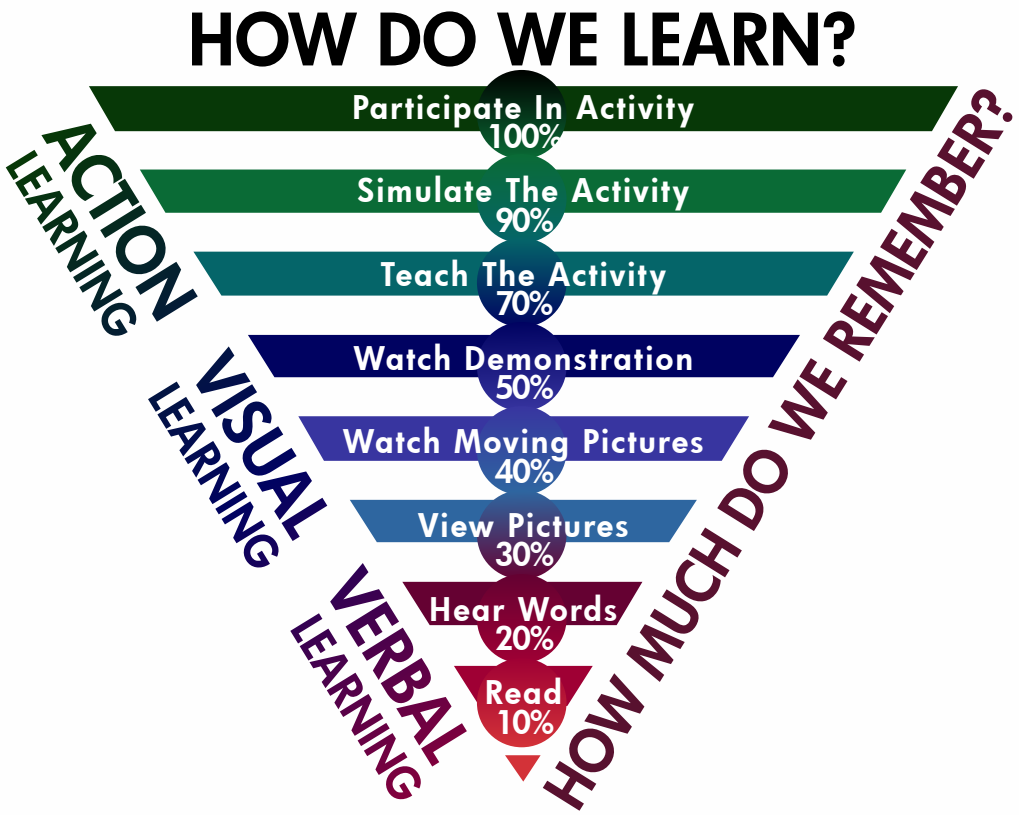


General overview

Possible solutions – Audience Response Systems

ARS as a possible solution

- simple voting for all participants
- authentication possible
- attendance
- embedded questions in the lecture
- LMS integration



General overview

Available solutions

Providers

- Optivote
- Adobe Connect
- Poll Everywhere
- Turning Technologies
- SOPRESO
- Learning Catalyst
- Moodle survey
- Limesurvey
- kahoot.it
- etc.

Features

- Hardver-, software-based or hybrid
- Embedding into presentation tools
- Question and answer types
- Additional features

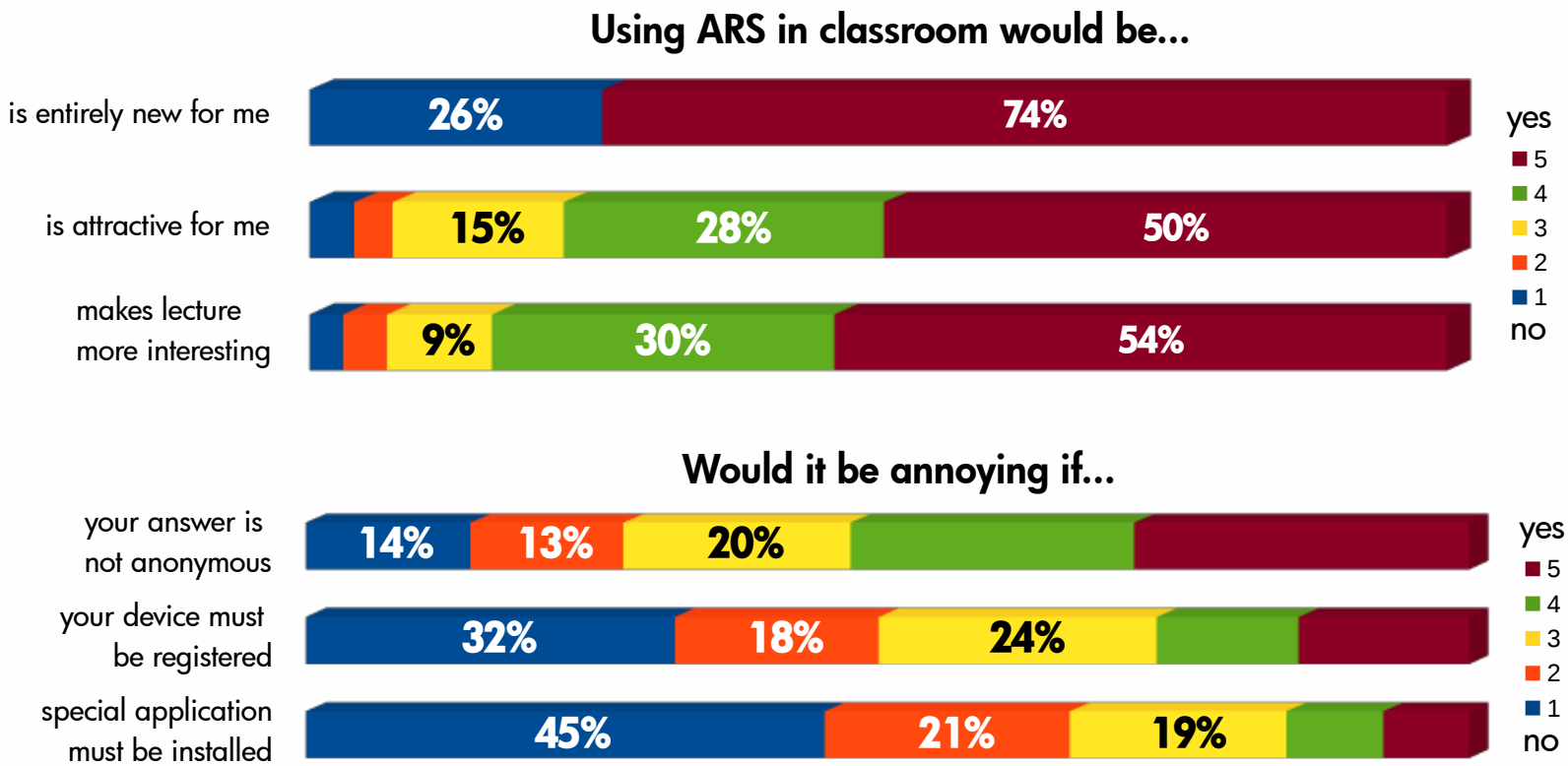
Pilot at the UP

Time schedule

- Pearson Learning Catalyst demo (Nov. 2015)
- SOPRESO demo (Dec. 2015)
- Turning Technologies demo (Feb. 2016)
- kahoot.it demo (Mar. 2016)

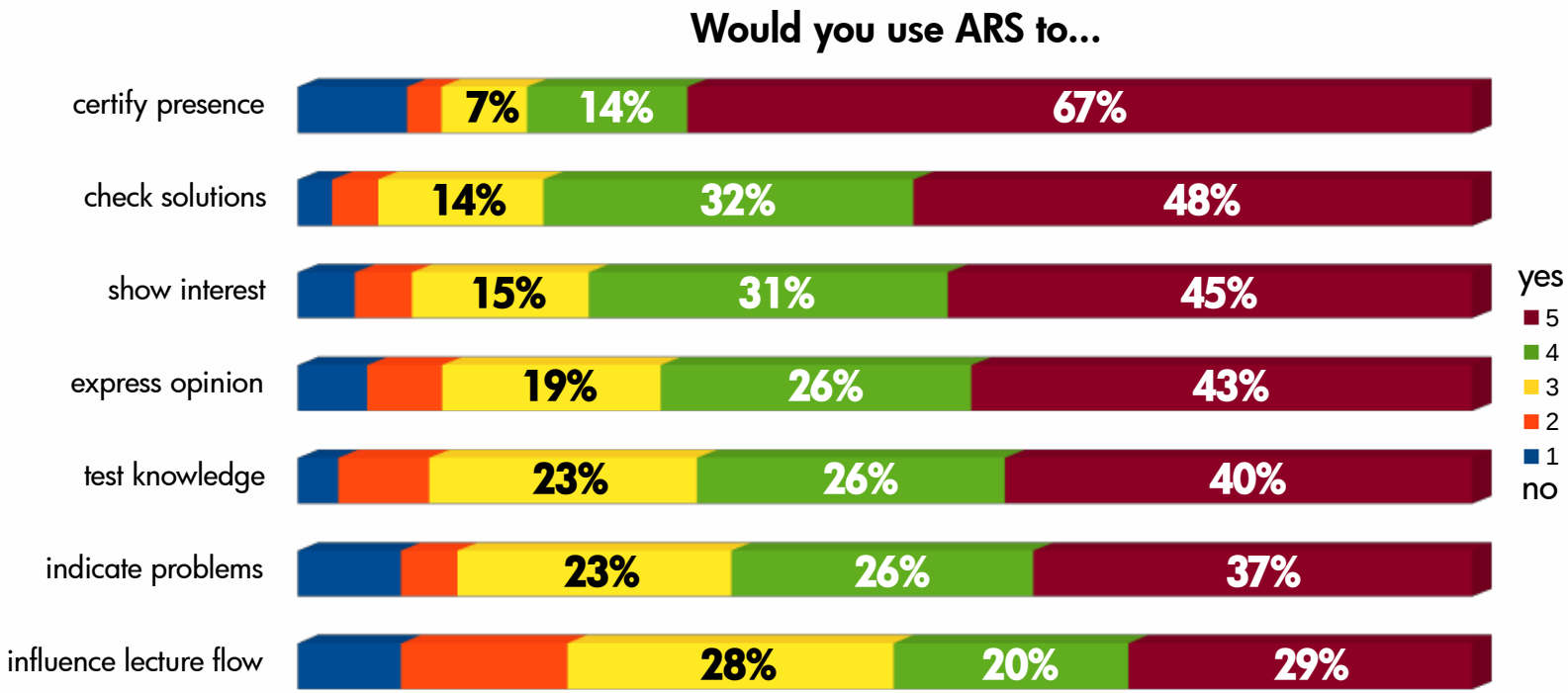
Pilot at the UP

Students' expectations



Pilot at the UP

Students' expectations



Pilot at the UP

Lecturers' expectations, opinions

- some resistance, especially older colleagues
- fear from allowing/encouraging use of mobile devices
- in case of „clicker"-based solutions the ownership and distribution of devices is a question
- should everybody/most of lecturers use these techniques or not?
- how can we use the data that comes from the in-class polls
- important to be able to switch between anonymus and unanonymus applications

Pilot at the UP

Turning Technologies „clickers”

- received „clickers” and some receivers for a trial period
- students liked them especially at the BA level
- not sure about long-term usage
- around 45 euros / device + receivers
- students prefer to use their phones to vote
- chance of cheating if it is part of the assessment

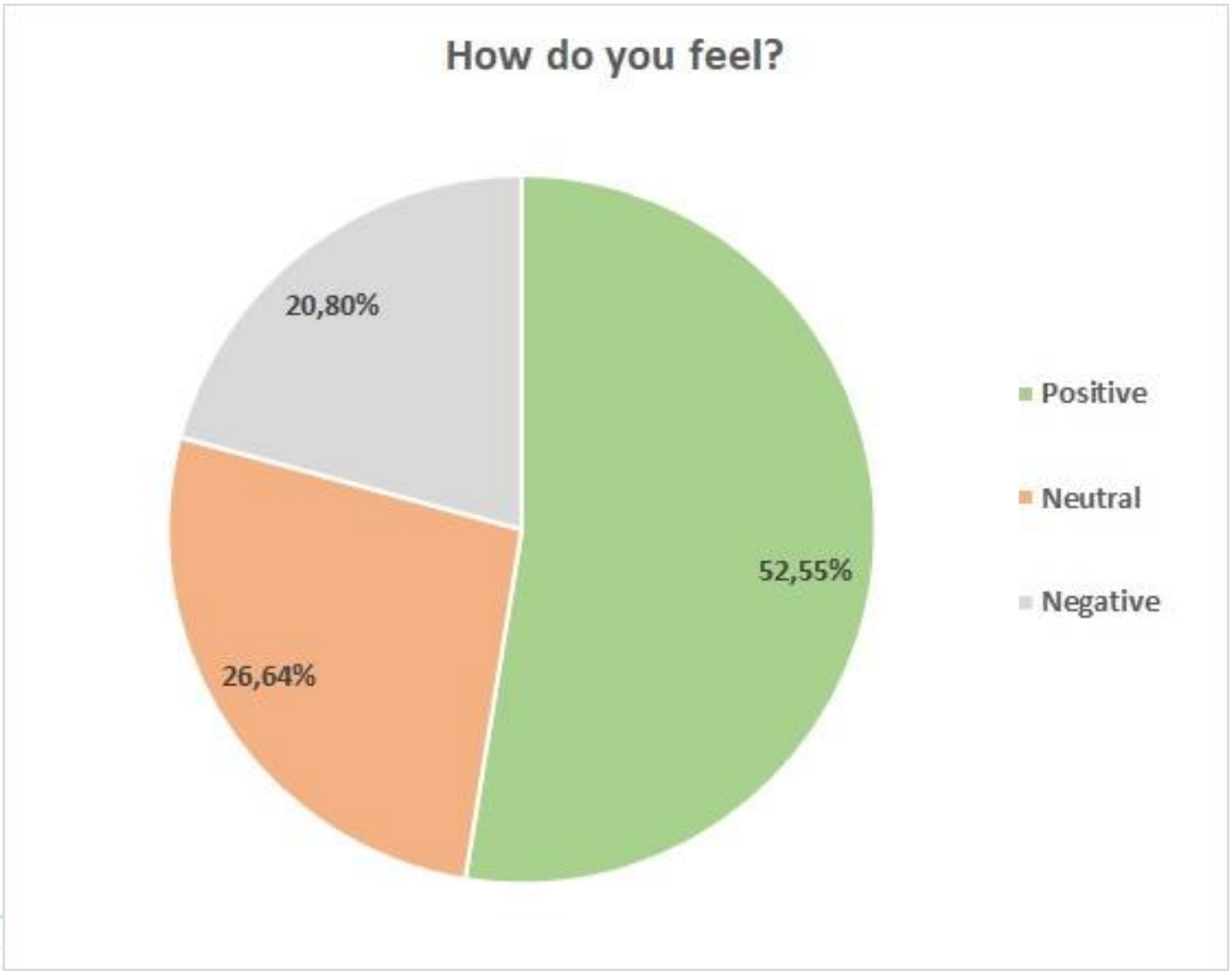
Pilot at the UP

Kahoot

- free web and mobile device based voting system
- easy to use
- simple choice questions only at the moment
- no need to register but Neptun code can be given
- test semester with Probability and Statistics „readiness tests” for extra credits
- more and more colleagues are using it in different ways

Pilot at the UP

Kahoot – student opinions



Summary

- we suggest to use free solutions first
- participation from the lecturers' side should be voluntary
- only after reaching a „critical mass" consider some flexible paid service
- different importance/techniques for smaller and larger groups
- students seem to like it if it is not overused, great tool to break the long lecture
- possibility for students to show their excellence
- but most of them only see the „fun" part instead of the „interactive self-check" part