Lifelong research – practical and vital aspects of a visionary concept

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NOT only ...

- Your own funny research
- Children prodigy scholars
- Discovery-based learning
- Critical thinking as a subject

BUT first and foremost

- Making science
- Generating new scientific value
- Learning FOR being able to involved in participatory research
Junior Citizen Science 4 All
Making science between 12-18 (Palaestria)

• Microstasking, megamachine
• Scholar-teacher-student assemblages
• Publication at the end of the tube
• Gamification and Reward engine behind
• Topics have local/civilizational relevance
• Students have choice, *ergo* personal motivations
• Researchers get brain-power
• Teachers also make science and not only „teach”
Ten years old British students, their teacher and a neuroscientist – pattern and color-perception of honeybees

- Plastic cans
- Other colors
- Sugar in the water
- Accidentally: navigation preferencies
Szeged - Space archaeology day

- 70 students, 5 PhD-students, 25 BA and MA students, 5 teachers, 1 archaeologist, 1 geologist
- Satellite and other photos
- Lot of objects found
- Aboveground patterns, forms are identified and blended to photo
Jugria Project: Geoknowledge forming structure

- Research institutes
- Cultural institutions
- Qualification courses
- Higher education institutions
- General (secondary) education institutions

Expert
Culturological
Professional
Principal
Primary

Media and information space

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Labrywhere (European Trees)

• Smart Phones as scientific tools
• If the students find a cut tree, they make a reed photo (a picture on annual rings)
• They send it to a processing center with GPS-data and other metadata
• WebCams, Sensors
If Palaestria-model can be universal/global ...

- The doors are open for lifelong research (as professional amateurs, ProAms)
- A (transnational) research community is an action community – common action multiplies epistemic community features – and builds trust through mutuality, common goals and interactions („peacemaking force”)
- Social innovation in science education
- Intensify distributed control patterns in resource allocation in Science