There is a need to develop and promote new methodologies in science education to help the transfer of scientific knowledge in all stages of education from primary schools to university science curricula.

2. Realization of the new challenges of distance learning.

3. More social and gender equality in access to science education and STEM careers.
Every cloud has a silver lining -- experiences and prospects of online STEM education in the light of the pandemic (March, 2021, Zoom)

Main issues related to lockdown

- How the pandemic changed public education and the day-to-day running of research.
- Distance learning necessitated the introduction of new methods and tools.
- Besides the negative effects, the coronavirus pandemic has also highlighted that there are ways in which education can be made more effective.

Speakers

- **Zsolt Lavicza** (Linz School of Education, Linz, AU) *Utilising technologies to nurture creativities in STEAM education*
- **Iulia Savos** (CEU Babylab, Budapest, Hungary) *Possibilities and Limitations of Online Infant Studies*
- **Dénes Szűcs** (University of Cambridge, UK) *Math anxiety*
Recent questions of learning and teaching STEM

- a workshop in Hungarian
- on October 21, 2021
- organized jointly with the Presidential Committee of Public Education of the Hungarian Academy of Sciences
- the focus here was put on recent questions, perspectives of learning and teaching STEM with a great emphasis on physics and chemistry
- the talks of the speakers were followed by a fruitful discussion forum that was moderated by Professor Benő Csapó.

- Benő Csapó (University of Szeged) Diagnostic testing in SciEd
- Erzsébet Korom (University of Szeged) Learning science in primary school
- Mária B. Németh (University of Szeged) Motivation issues in science learning
- Luca Szalay (Eötvös Loránd University, Budapest)
- Inquiry-based chemistry learning
- Zoltán Tóth (University of Debrecen) Critical points in the development of science concepts
Fact finding and contact seeking

- Information hub regarding new developments in STEM education.

- A short **email survey in order to find possible connections**. After receiving the responses, we organized this data into a table.

- Connect the international researchers with those Hungarian researchers who have the same or similar field of research or scientific interest.
Objectives

- **to serve as the basis for the development of the activities of the AE Hub** under this thematic mission, which in turn offers the possibility to widen the scope of the programme by incorporating the latest advances in education methodology on a European level.

- **to organize programs together.** In such a way we could **connect** even more **researchers**. We think that it would be important for the Hub offices to work together so that the exchange of information and the networking could take place.
Contact

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Hope to improve STEM education all over Europe

We especially seek interest from other AE Hubs.

THANK YOU FOR YOUR ATTENTION