

Supporting Mathmatics and Science Teachers in addressing Diversity and promoting fundamental Values

Our Aim

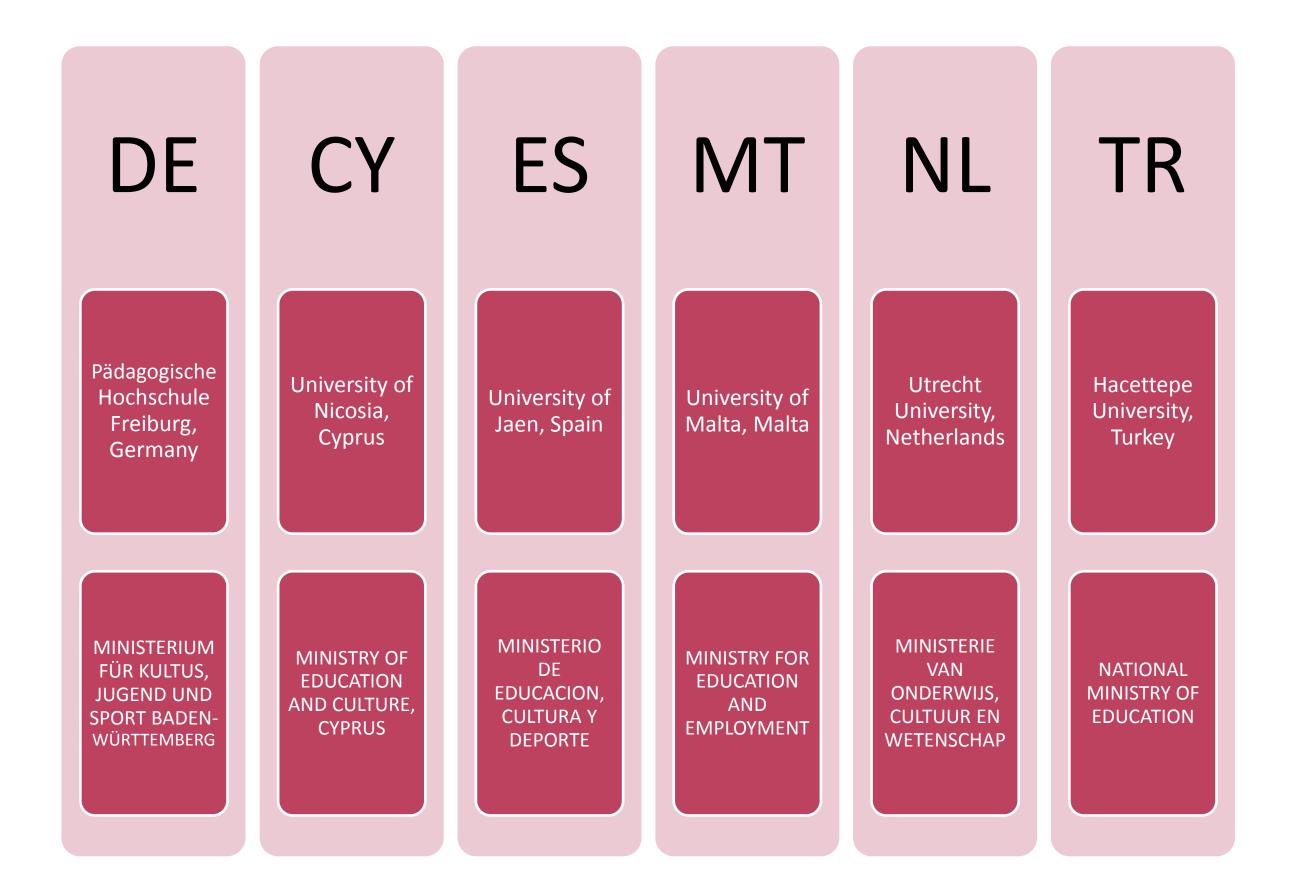
To support science and mathematics teachers in:

- 1. Delivering inclusive education and basic skills for all and thus address underachievement
- 2. Promoting fundamental values and enhancing active citizenship
- 3. Promoting intercultural learning

The Project Team

An important feature of MaSDiV is unparalleled tandems:

In each country, Ministries of Education, who lead the measure and set the frame for implementation, are paired with university experts that conceptualise and deliver science and mathematics teacher PD.



In order to reach this aim, MaSDiV will design and run a professional development course.

The course will be rigorously evaluated using a multimethod research design.

Mathematics, Science & **Fundamental Values**

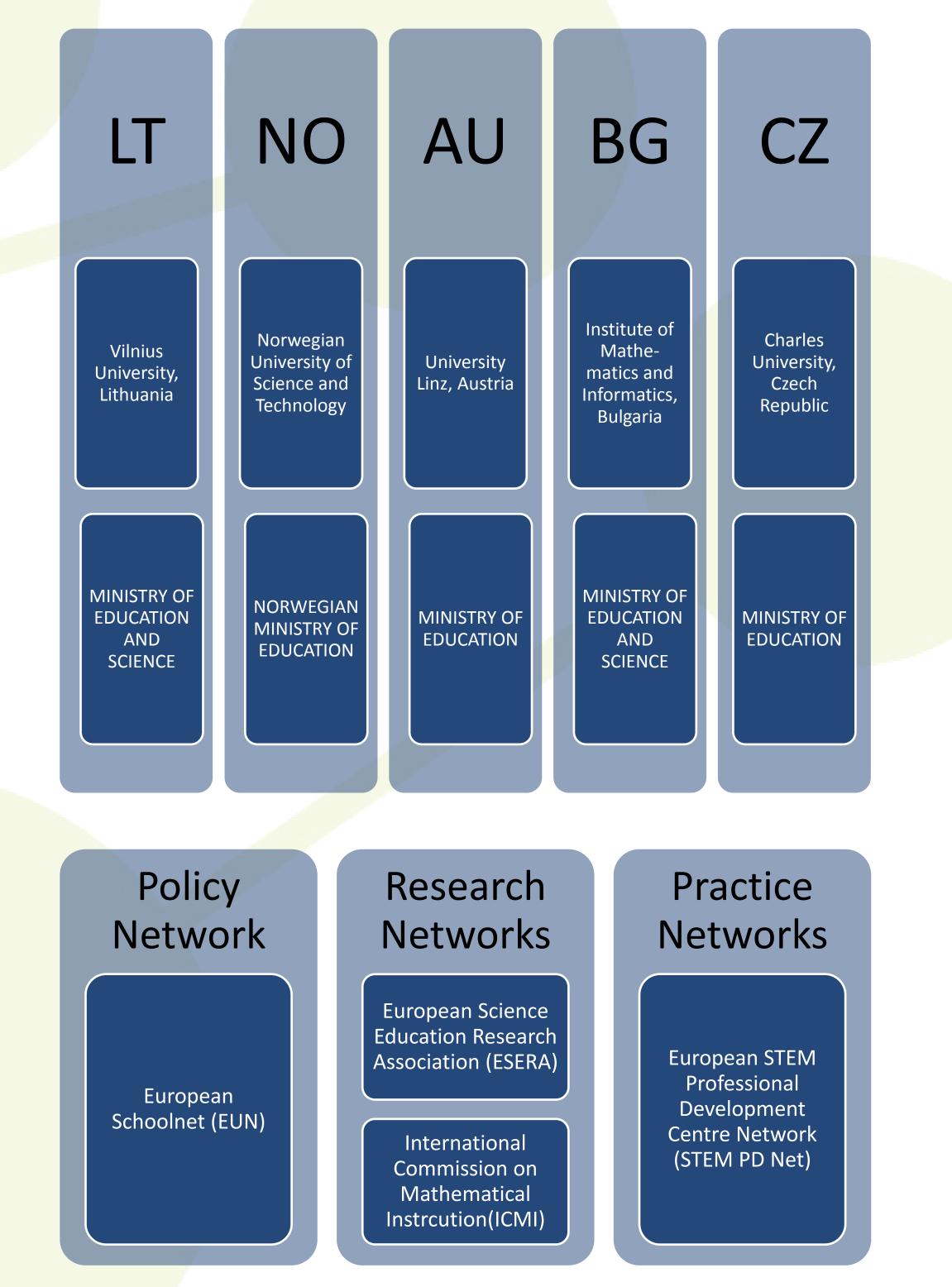
Examples for questions:

- Should genetic engineering be used in agriculturally developing countries?
- How should a state health care system be calculated?



The European Impact Board

The project team will be supported by a European Impact board, consisting of five additional ministry-university tandems and representatives of important networks.



Should measles vaccination be obligatory?

Mathematics, Science & **Intercultural Learning**

Examples for questions:

- What different algorithms do students of different cultural backgrounds use for calculations?
- Can the context of a word problem be understood by students from different cultural backgrounds? (e.g. the context "traffic jam")
- How can intercultural learning emerge out of these questions?





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International Centre for STEM Education