3RD STE(A)M IT WORKSHOP
STE(A)M INTEGRATED FRAMEWORK – PATHWAYS TO STEAM EDUCATION

POLICY AND INDUSTRY RECOMMENDATIONS

POLICY RECOMMENDATIONS

- Provide STEAM integration **diversified training**, on recurring basis, for pre- and in- service teachers

- Facilitate the inclusion of integrated STEAM teaching to the existing **curricula.**

- **Adapt school textbooks** and teachers' supportive material to highlight interdisciplinary links and to include suggestions of integrated activities

- Facilitate the **exchange of good STE(A)M integrated learning practic**es and the sharing of experiences and expertise among teachers by promoting the creation of communities of practices on local and country level.

STEAM IT

AN INTERDISCIPLINARY STEM APPROACH

POLICY RECOMMENDATIONS – GREY AREAS

- Avoid top-down approach?

- What about bottom-up actions? What kind of actions could these be?

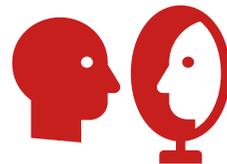- More focus on local and regional initiatives?
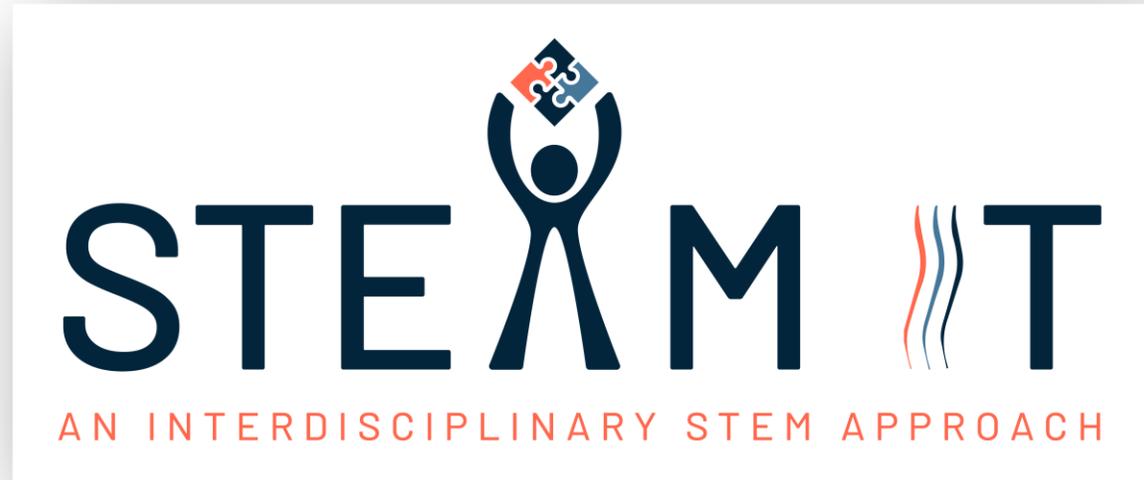
INDUSTRY RECOMMENDATIONS

- Identify the needs in terms of **skills** in their respective fields and provide guidelines to STEM teachers on how these problems are approached and need to be addressed on local level

- Provide equipment and other **incentives** like scholarships to promising students or facilitate the introduction of **extra-curriculum programs** than inform about STEM jobs

- Most enterprises have their respective department of **corporate responsibility**, in addition to major issues like ethical commerce or transparency, large focus should be placed on Europe becoming again a workforce and corporate power, following the recession and the brain drain of the past decade. This can be achieved only if they actively invest in finding and nurturing talent.

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INDUSTRY RECOMMENDATIONS – GREY AREAS

- Need for more real-life examples demonstrating the integrated nature of STEM jobs need to be communicated further

- Stronger connections between industry and schools and the role of alumni?

- Open school approaches and collaborations on local level (i.e., schools, industry and local authorities working on a real-world issue that directly affects the local community)

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