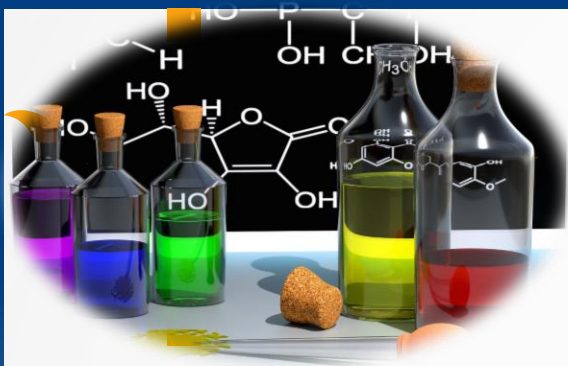


# WORKING WITH THE EMPLOYERS/BUSINESSES

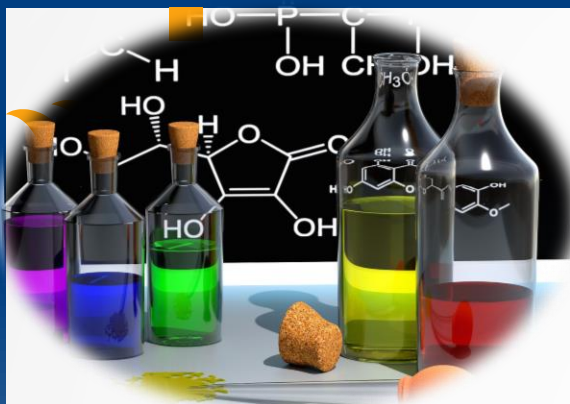
Karen Brunyee, Claire Calmet, Petra Korenjak,  
**Päivi Kousa**, Lorenzo Lancellotti, Béatrice Salviat





# BACKGROUND

- Pupils are not interested in STEM subjects
- Industries need more employees with sufficient skills and knowledge
- School-company collaboration has many benefits for pupils (e.g. positive attitudes, achievement in STEM subjects and skills and knowledge for the future)
- Teachers need more industry-based knowledge, materials and methods
- Good practices and recommendations from Austria, England, Finland, France and Italy



# GOOD PRACTICES

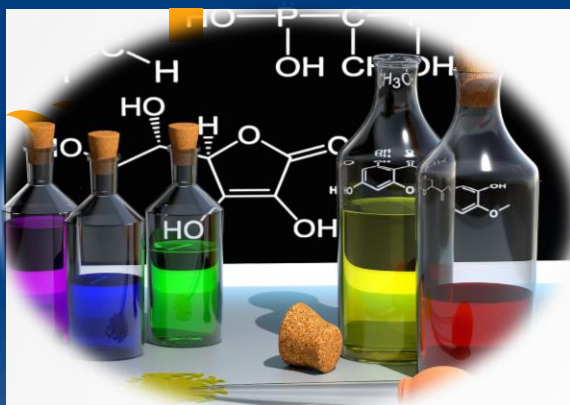
**Austria:** IMST regional networks projects with industry

**England:** STEM ambassador, STEM insights

**Finland:** Utilising the potential of smaller companies

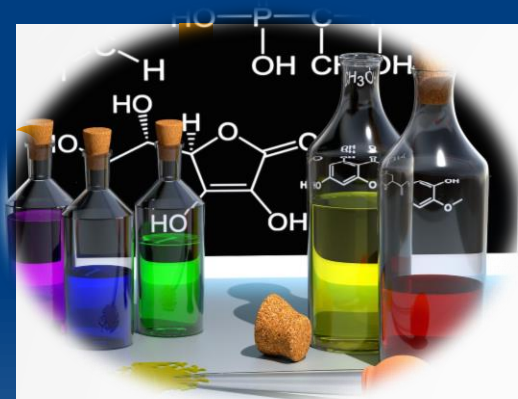
**France:** The houses for science, Scientific partners for the class

**Italy:** Company visits with smaller groups



# SOME GOOD QUESTIONS BEFORE THE COLLABORATION/VISIT:

- ✓ What is the pedagogical aim for the visit?
- ✓ How much resources do I have (time, money, materials etc.)?
- ✓ What is the length of the collaboration/visit?
- ✓ Who am I collaborating with?
- ✓ Do I need extra support or knowledge about the industry or STEM subjects?

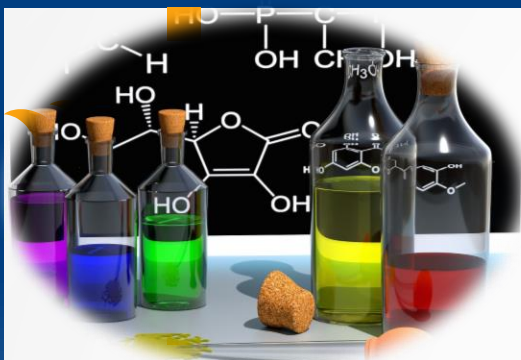


# RECOMMENDATIONS

## To STEM teacher educators:

*It is important to know the pedagogical knowledge behind the school-company collaboration*

- Teacher educators should provide sufficient knowledge, materials and methods for professional development
- *Pre- and in-service teachers should have regular opportunities to practice school-company collaboration in authentic environments*



# RECOMMENDATIONS

## To school teachers:

***School-company collaboration can help pupils to learn and connect subject knowledge to real-life examples***

- Pupils need to have regular opportunities to visit companies (information about products, services and careers)
- If there is no possibility for every teacher to get involved, there should be at least 1 or 2 teachers who are qualified for it in each school
- School-company collaboration needs time and effort (collaboration with colleagues, teacher educators and companies is recommended)

***Resources can be saved if the companies are near schools***