

STIMULATING STUDENTS' MOTIVATION TO LEARN SCIENCE

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The Goerudio project aim

a learning community of European teachers and students

To stimulate students' motivation to learn science

To analyse the teaching and learning of scientific issues and experiences

To identify and understand the main difficulties encountered when learning or teaching science

To share their most effective experiences and promote an inquiry based, interactive and amusing approach to the understanding of science

The Goerudio project research

Goerudio project target groups

35 schools from seven countries

70 teachers

100 students

Research methodology

based on the observations gathered from comments posted by the project participants (teachers and students).

Teachers:

problems when teaching

solutions and methods used to overcome them and stimulate students' interest in science

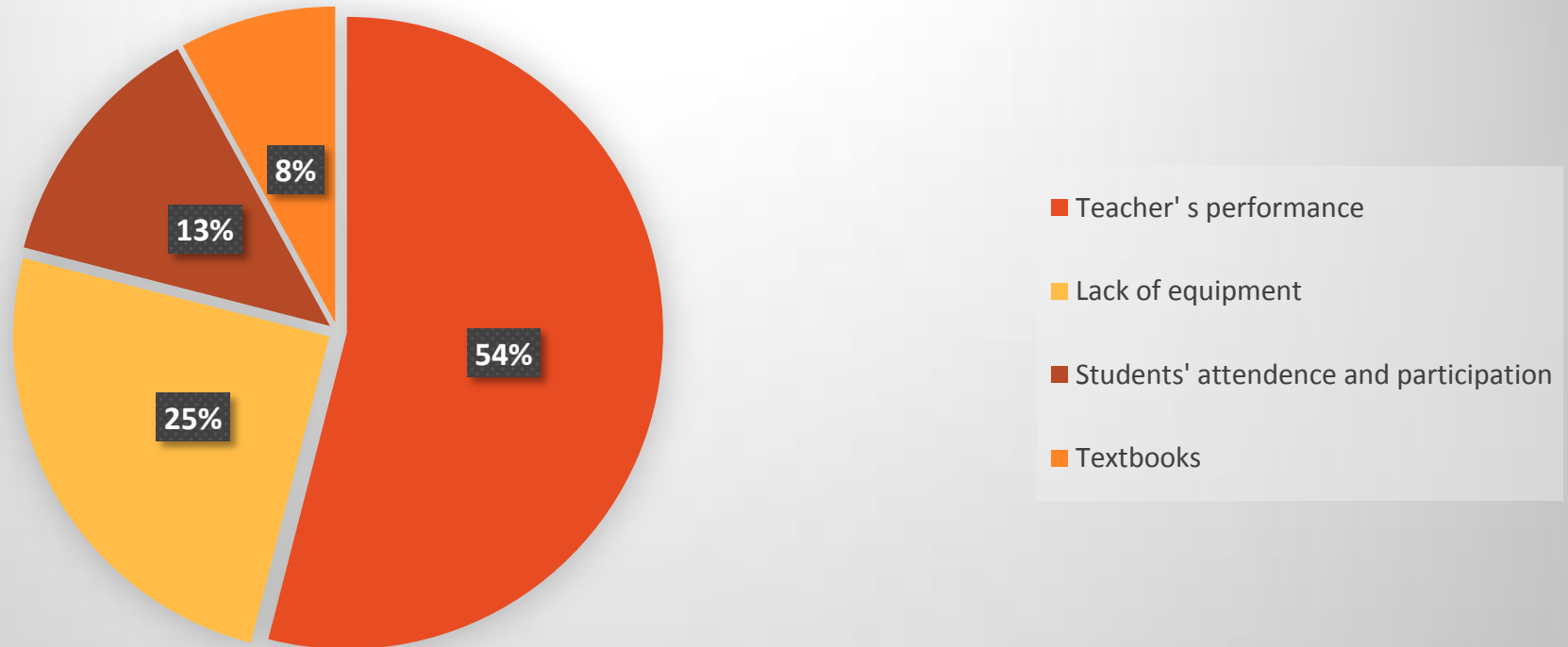
Students:

difficulties in learning science

achievements and give the reasons for their achievements

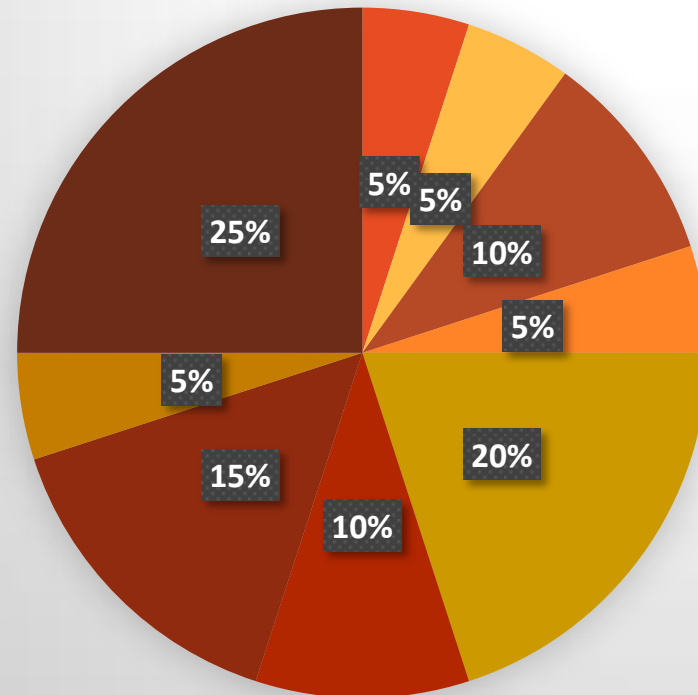
Students' posts on their problems and achievements while learning science

Students related their problems to



Teacher's performance:

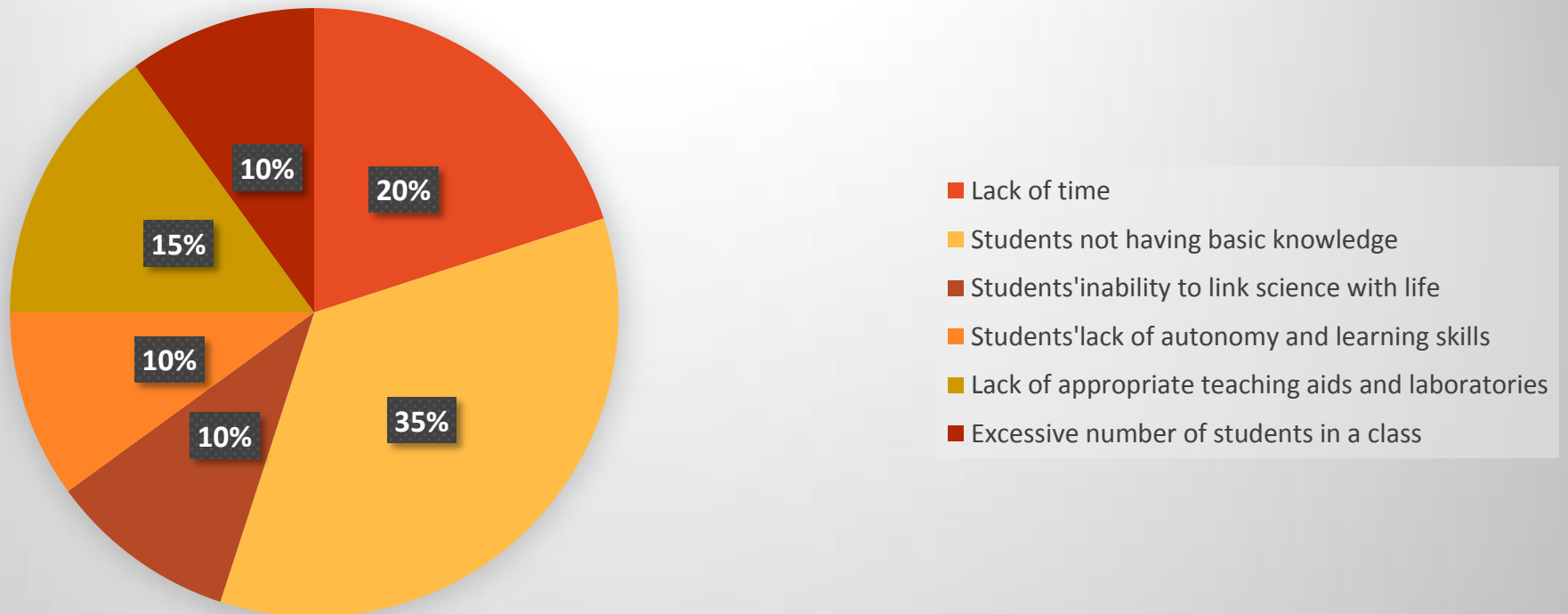
Teacher's performance



- Voice
- Strictness and lenience
- Enthusiasm
- Personality
- Teaching techniques
- Communication skills
- Patience
- Language used
- General attitude towards the subject taught
-

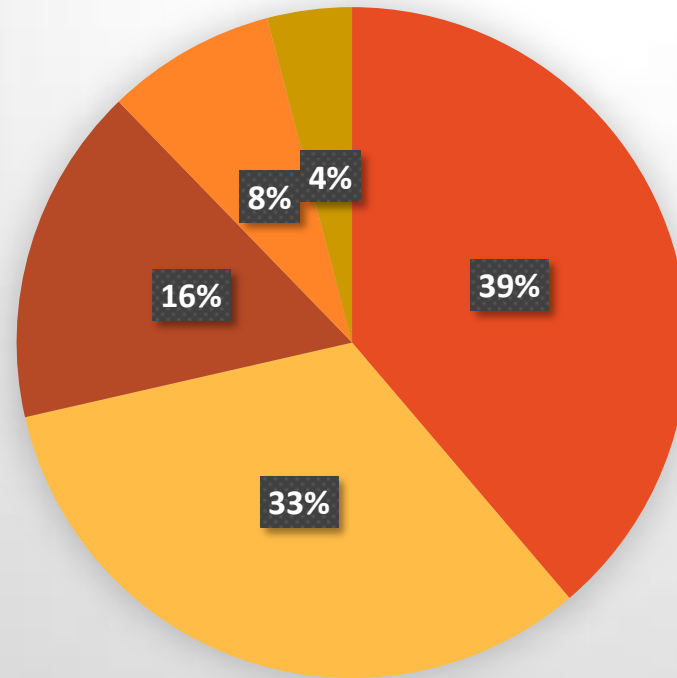
Teachers' posts on their problems when teaching science to students

Teachers' problems when teaching science



Students' solutions

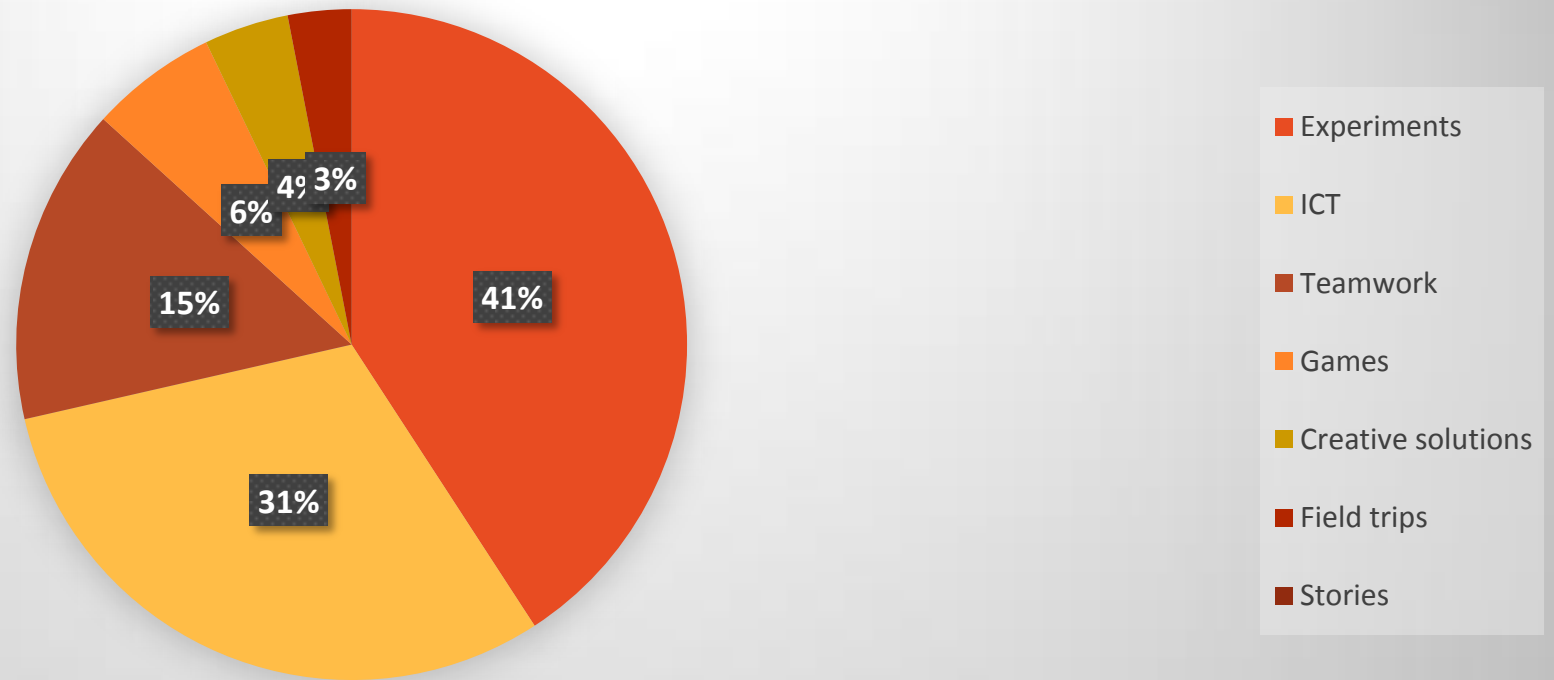
students'solutions



- Experiments
- Use of ICT
- Working in groups
- Field trips
- Games
- Science clubs

Teachers' solutions

Teachers' solutions



Conclusions

Learning community of European teachers and students

Combination between traditional and state-of-the-art techniques

Link between theory and practice

THANK YOU!

