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Initiative for Energy Education at the Level of Secondary Schools: Case Study

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The paper illustrates a new initiative, which has been implemented within secondary and technical schools in the Arab World, with the aim of improving the teaching of science, particularly on energy related subjects such as renewable and nuclear energies.

Energy education could be the ideal subject to bridge the gap between education and the job markets in many areas of the world now and in the near future. The world is changing energy strategies to meet the challenges of the 21 century for more contribution of renewable and nuclear energy with enormous investments in these sectors. For example, the emerging countries in the Arab world require large efforts and programs for energy efficiency and energy conservation to reduce their investments in the energy sector and that cannot be reached without social energy culture. Schools and teachers are the key success for such efforts. Therefore, it was important to start this initiative which is composed of four main programmes.

The first programme is based on establishing and enhancing cooperation between Arab and European teaching institutions. The second addresses the implementation of an Arab-European platform for scientific communities. The third develops outreach projects in order to promote and support social activities between teachers and students. The fourth includes the promotion of teachers and authorities to improve the curricula.

The paper will discuss the experience gained from organizing and the related assessment procedures.

Country or International Organization

Austria

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