

# Education and International Collaboration

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# Education

Consider the cases of global warming and renewable energy: sustainable consumption is not a serious concern for the general public

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For the youth: Teach that energy is precious. Encourage daily action, curiosity

Even when aware of the problem, educators do not have the tools to explain or demonstrate energy-related problems

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To aid instruction at all levels, create a knowledge base containing lecture materials and demonstrations

A typical materials curriculum is not focused on integrated solutions to global problems that extend beyond technical development

Create adaptive curricula to address sustainability and interdisciplinary studies, attract talented students who will, in turn, help produce educational modules

# International Collaboration and Exchange

For members of the energy materials community, information such as:

Educational modules

Outreach

Intellectual property rights

Opportunities for funding, two-way foreign exchange

is not organized or distributed efficiently

All of this information can be organized in a centralized, online knowledge base

MRS has already started this! It must be made explicit, improved, larger, easily accessible and open to expansion in local chapters.

Organization should advertise and provide a virtual center for opportunities in international exchange

# Recommendations

Support and maintain an online Global Resource Center for Sustainability (GRCS) that will provide educational lectures and demonstrations.

Create a central database of research and travel funding, institutes willing to collaborate, and relevant workshops and conferences.

Create an active social network of student congress participants. Share ideas and successes. How are we making a difference?