Computing and Education

1. ***** taking CS to sustainability (CS more than a service, but integral; CS is
***** taking sustainability to CS

2. ***** is sustainability a field or is sustainability a part of every other field
(transdisciplinary, transcend discipline); how would you build a sustainability curriculum
... distributed across majors, to include CS; one Department or School

Sustainability program, campus wide
IU, ASU, OSU, ....

Sustainability minor across many fields
geo, energy, emphases _ specialized course for CS people, and other majors
power-aware thinking; eWaste thinking;

3. ***** how computer science courses redesigned with sustainability in mind
    designing software, workflows and algorithms, with environment, energy and
future orientation in mind

interdisciplinary : HCI ... induced use

shared data sets, other shared resources? problems sets? per courses, areas? sharing
intellectual property --
*****mechanisms that encourage sharing material, shared repository

suggestions on courses

4. ***** K-12 education -- inside, out

undergraduates -- superstar lecture

how to take graduate level?

IU started by enumerating all courses with a sustainability component

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what constitutes sound thinking on sustainability, climate change, ....
***** no simple answers .... how to we engage students in debate