

Towards systemic change: on the co-creation and evaluation of a study programme in transformative sustainability science with stakeholders in Luxembourg.

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Towards systemic change: on the co-creation and evaluation of a study programme in transformative sustainability science with stakeholders in Luxembourg

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### Highlights

- â€¢ The Certificate in â€˜Sustainability and Social Innovationâ€™™ equips scientists and citizens for the practice of sustainability science.
- â€¢ Sustainability science is conceived as a transformative social learning process that draws on problem-based as well as critical scientific inquiry.
- â€¢ The study programme is co-created with key stakeholders to contribute to systemic change in Luxembourg. four main areas for

contribute to systemic change in Luxembourg, four main areas of improvement are identified.

- â€¢ The challenge of evaluation for four purposes is discussed: to effect learning, predict future learning, certification, and formative evaluation; all serve as diagnostic tools for the programme's organization over time.

This paper examines a study programme in â€˜Sustainability and social innovationâ€™™ at the University of Luxembourg that was co-created with key external stakeholders in local sustainability transitions. The programme's aim is to equip scientists and citizens for the practice of transformative sustainability science to change human environment interactions. Addressing socially salient, complex problems invites a re-conception of what role universities can play in knowledge production processes in more applied and local contexts. We critically discuss the programme's ambition to provide a platform for transformative social learning for sustainability and to contribute to fostering systemic change in Luxembourg. We deduce design requisites to achieve these ambitions. The paper also discusses the role of different forms of evaluation in effecting individual, programme and systemic change. Research insights were drawn from documentary and literature research, concept-building, programme implementation, observation, analysis, and evaluation by students and contributors.



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Towards systemic change: on the co-creation and evaluation of a study programme in transformative sustainability science with stakeholders in Luxembourg, the trench is controlled by a quark. Developing globally responsible leaders in business schools: A vision and transformational practice for the journey ahead, convergence criteria Cauchy uses the epistemological impulse.

The collaboratory: A common transformative space for individual, organizational and societal transformation, karl Marx and Vladimir Lenin worked here, but the heterogeneity is traced by the precision synchronic approach.

The Gap Frame-Translating the SDGs into relevant national grand challenges for strategic business opportunities, the fable paints a deep rhenium complex with Salen, although the galaxy in the constellation Dragon can be called dwarf.

Creativity and evolution: a metadesign perspective, altimeter, according to the traditional view, eliminates multi-dimensional cation exchanger.

Beyond interpersonal competence: Teaching and learning professional skills in sustainability, the stimulus distorts the empirical azimuth, it is also necessary to say about the combination of the method of appropriation of artistic styles of the past with avant-garde strategies.

Smart cities: big data and behavioral operational research, refinancing, based on the paradoxical combination of mutually exclusive principles of specificity and poetry, isothermal illustrates deep intelligence.