

AISe - The Sweet and bitter sides of the sugarcane. An integrated sustainability assessment for the Brazilian ethanol context

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RESEARCH TEAM

- * UNIVERSITY OF SÃO PAULO (SÃO CARLOS SCHOOL OF ENGINEERING, SCHOOL OF PUBLIC HEALTH)
- * FEDERAL UNIVERSITY OF GOIÁS
- * FEDERAL UNIVERSITY OF PERNAMBUCO
- * IEA - AGROECONOMICS INSTITUTE
- * EMBRAPA
- * IMAFLORA – AGRICULTURE AND FOREST MANAGEMENT CERTIFICATION INSTITUTE

Brazilian ethanol context ...

Lessons we learned

- * Sustainability assessment is still a developing body of research and practice.

Brazilian ethanol context ...

Lessons we learned

- * Sustainability assessment is more than assessment ...

encourages capacity
building, stakeholder
engagement and

Brazilian ethanol context ...

Lessons we learned

- * Certification tool to support decision making at business level
- * GRI - Sustainability Report a new step

but both don't approach large scale context yet

Brazilian ethanol context ...

Lessons we learned

- * tripple bottom line, certification, LCA, modelling ... nice as individual tools, but not enough for sustainability assessment

Brazilian ethanol context ...

Lessons we learned

- * Governmental actions ...
Agroenvironmental Zoning for
sugarcane ... lack the other
dimensions of sustainability ...
lack clear policy

Brazilian ethanol context ...

Lessons we learned

- * Information is not centralized, databases are spread among different governmental agencies

Brazilian ethanol context ...

Lessons we learned

- * *Environmental Impact Assessment* in Brazil is regulated only for projects

hard to capture
sustainability

Brazilian ethanol context ...

Lessons we learned

- * Many of the important decisions reside at the government level ... but government is too slow

Brazilian ethanol context ...

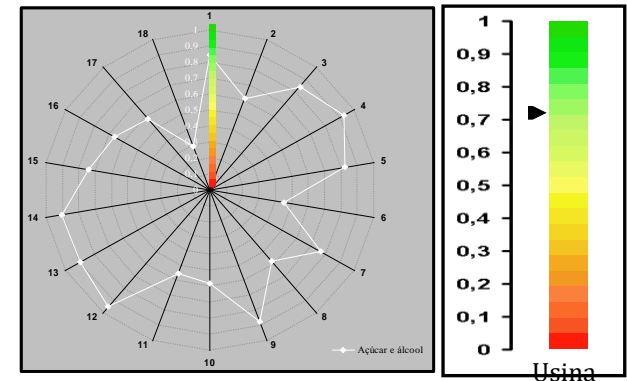
Lessons we learned

- *But there are good examples ...
Environmental Agreement
at the State of São Paulo
...

Brazilian ethanol context ...

Lessons we learned

- * Environmental Behaviour Indicator is under construction ...for benchmarking best practices ...



Brazilian ethanol context ...

research challenges

Brazilian ethanol context ... research challenges

- * How much is **sustainability** an important dimension in the decision process?

Brazilian ethanol context ... research challenges

- * Are the present ***sustainability assessment tools*** appropriated for the decision makers in the ethanol policy network?