

RECOMENDATIONS FOR
STAGES 2 AND 3
Global Sustainable Bioenergy
GSB-PROJECT

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Stated hypothesis

-is it physically possible for bioenergy to sustainably meet a substantial fraction of future demands for energy services (up to 30% of global mobility) while feeding humanity and meeting other needs.....?

PRIORITIES FOR LATIN AMERICA

Both:

- Social and economical development in recognition that biomass for energy provides employment more spread over the countries;
- GHG reduction, in recognition that biofuels are much better than fossil fuels and will help to stabilise the environment

RECOMENDATION FOR ANALYSES

- Calculate how much bioenergy can produced in Latin America
- To maximise climate mitigation, food and energy security (perform meta-analyses)
- From the the meta-analyses we should be able to calculate the time frame to reach the target **of up** to 30%

RECOMENDATION FOR ANALYSES

- Feasibility of yield improvement of bioenergy crops;
- Feasibility of complete use of biomass to produce biofuels
- Feasibility studies for additional value added product development;
- New feedstock and processes;
- Opportunities for exchanges on international patents and processes;
- Collection of data for LCA in Latin America
- Evaluate and compares LUC and ILUC
- Development of precision agriculture for application in crops in general
- Feasibility studies about the scale in agriculture and industry
- Best practices in education and information,
- Best practices in use of agriculture and industry
- Technology transfer
- Development of technology of second generation ethanol
- Increase in investment in basic and technological sciences related to bioenergy
- Improve public policies regarding bioenergy deployment
- Set science based standards and regulations
- Study the role of market forces
- Study public perception and public attitude towards bioenergy
- Study and improve energy efficiency