

Breakout – LU Priorities

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Discussion Summary

- Biomass burning and socioeconomic drivers
- Link to smoke and haze and ABC (Asian Brown Clouds) which can be linked to land use and biogeochemistry
- Mega-cities
 - Urban models and urban heat island, food security, biodiversity (?) in the region
- Concept of hotspots
 - Climate sensitivity, ecosystem, socioeconomics
 - Shift in fire regime (what happens if fire regime changes)
 - What was the cause of the monsoon systems
 - Humid, arid and mountains, coastal/delta or river basin
 - Roads as symptom of removing trading barriers
 - Econometrics – socioeconomic

Discussion Summary (*cont.*)

- Land cover reconstruction / historical land use changes
- Future land use change modeling and scenarios
- What causes burning – drivers of burning and possible environmental consequences such as health and erosion
- Inventory of past and existing research projects – who is who in burning / Models exist, including fire components, inventory should include methodologies

Discussion Summary (*cont.*)

- Establish a modeling group - inventory models, intercomparison, and uncertainty,
- Cash crop type separated – GISTDA
- Existing land use and land cover for some countries may not exist, which leads to capacity building in the region including training and data sharing
- Link land use pattern to social issues such as poverty – Swiss project
- Integration of in-situ obs. wth RS and modeling results for cal/val.
- Dissemination of information to decision makers at local levels.

Comment

- MAIRS should put RFPs out on web