



Key Decision Support Questions for Carbon Monitoring and Management

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Decision support: Questions are specific and identified by those who have a stake in the outcome

- ▶ Identify the decision support needs before designing the science
 - Open dialogue with decision makers who might use the information
- ▶ Who are decision makers for carbon monitoring systems?
- ▶ Who are decision makers involved in carbon management?

- ▶ One interested scientific constituency will be economic modelers – always eager for better data.
 - Models simulate potential futures and can include mitigation options
 - Better data on sources, and attribution, of emissions over space and time can inform analysis of mitigation opportunities

- ▶ Important to involve the interested users of information at the design stage.

Carbon monitoring for carbon management decision support



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- ▶ NASA CMS Objective: Use the full range of NASA satellite observations and modeling/analysis capabilities to establish the accuracy, quantitative uncertainties, and utility of products for supporting national and international policy, regulatory, and management activities.
- ▶ Implies that decision support is an important objective.
- ▶ Will involvement go beyond inventory improvement?

Communication of CMS related efforts

- ▶ What data will be collected? How will it be made available?
- ▶ Will there be an effort to make the information useful for non-scientists?
- ▶ Raw data or enhanced products for specific uses?

- ▶ Are there established programs that could be used for communication to specific stakeholders?
 - Government – Western Governors Association
 - Regional research – RISAs
 - National research & policy?
 - International communities?