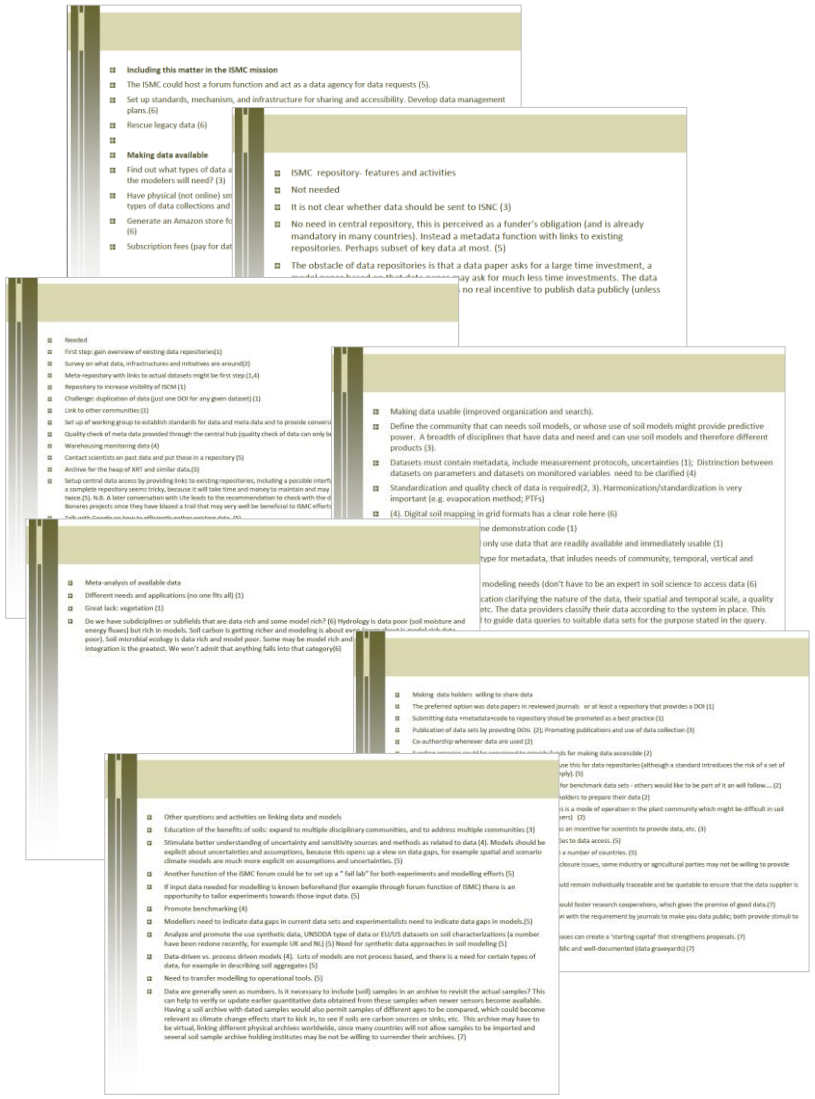
Summary of Discussions @ Austin Conference



- Make data available
  - no need for own ISMC repository but instead metadata search to existing repositories
  - find out which data bases are out there and how they fit to the modeler‘s needs
- Establish standards for data and metadata, provide conversion tools for standardization/harmonization

ISMC
International Soil Modeling Consortium

Mission Statement DO-Link

The Data and Observation Linking panel of the ISMC will assist the creation of a global soil data meta-repository that is openly available for soil system research.

Facilitate the linkage between data and models in order to optimize the integration of measurement results into soil models.

This will be achieved by:

- Analyzing and summarizing the data requirements of the various disciplines developing and applying soil models;
- Analyzing the need and feasibility for standardization and harmonization of data required for soil modeling;
- Investigating how data/observation requirements change with spatial and temporal scale/resolution of processes/models;
- Assessing the link between modelling objectives and data availability/quality

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Analyze and summarize data requirements

CZO-LTER model survey

In collaboration with the networks of Critical Zone Observatories (CZEN) and the International Long Term Ecological Research network (ILTER), ISMC organizes a survey to identify model development and application of the observation data. The development of numerical models that combine physical, biological and chemical processes is a general goal of the LTERs and CZOs. To assess the current status and goal achievement of the modeling ambition, we organize this survey to identify pressing gaps in data availability for use in models, and whether knowledge and/or data gaps exist that require advances in the measurement or the model linking and application.

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