

EGU 2006: Event information

**CL017 Land-atmosphere coupling in past, present and future climate  
(co-listed in AS, BG & HS)**

Land-atmosphere coupling is a key aspect of the climate system, but a difficult issue to investigate due to the scarcity of relevant observations, the complexity of the underlying feedbacks and interactions, as well as the wide range of scales that it involves. The aim of this session is to bring together studies investigating land-atmosphere coupling from various perspectives, i.e. for past, present or future climate, using observational, diagnostic or modeling approaches, and on scales ranging from local to global.

We encourage in particular the following topics for contributions:

- (i) Process analyses of the governing mechanisms underlying land-atmosphere coupling
- (ii) Land-atmosphere feedbacks involving radiation, soil moisture, vegetation, and/or snow
- (iii) Role of boundary layer processes in land-atmosphere coupling
- (iv) Validation studies intercomparing model and observational data (i.e. Fluxnet)
- (v) Soil moisture and snow initialization for seasonal forecasting
- (vi) Relevance of land-atmosphere coupling for the occurrence of extreme events (in particular, droughts and heatwaves)
- (vii) Role of land-atmosphere interactions for climate-change predictions

Contributions outside of these specific topics but fitting into the general theme are welcome as well. The presentations will be organized into suitable thematic subsessions. Note that high quality submissions of broader scope will be candidates for upgrade to solicited papers

Review talks by Alan K. Betts and Martin Claussen have been confirmed.

The European Geosciences Union (EGU) General Assembly, will be held in Vienna, 2-7 April 2006.

Deadline for receipt of abstracts : 13 January 2006

Direct link to Session CL017 on the web:

[http://www.cosis.net/members/meetings/sessions/information.php?p\\_id=185&s\\_id=3402](http://www.cosis.net/members/meetings/sessions/information.php?p_id=185&s_id=3402)

General Information on EGU 2006 and abstract submission procedure is available at <http://meetings.copernicus.org/egu2006/> .

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