# Climate, land and humans – Workshop of the Terrestrial Observation Panel for Climate (TOPC) at WMO

Observations of the terrestrial domain are crucial to understand climate impacts on human livelihoods and are the basis for adaptation and mitigation. In this workshop some new developments and challenges relevant for these fields are presented and discussed with a focus on agriculture and cities. The Terrestrial Observation Panel for Climate (TOPC) of the Global Climate Observing System (GCOS) is meeting at WMO and wishes to use this opportunity to discuss the relevance of its work with a broader audience. TOPC was set up to develop and ensure a balanced and integrated climate observation system for land.

*Date: 21st March 2018*

*Time: 14.00-15.00 plus 20 minutes discussion*

*Location: WMO Press Room*

Agenda:

1. Introductory presentation on the work of GCOS with a focus on TOPC

*Carolin Richter (D/GCOS) and Prof. Wolfgang Wagner, Technical University of Vienna (Chair TOPC)*

1. Observing soil moisture changes and their impact on agriculture

*Prof. Wolfgang Wagner, University of Vienna (Chair TOPC)*

1. Understanding land degradation

*Jose Camacho (WMO Agricultural Meteorology Programme)*

1. What observations do we need to understand climate change in urban environments?

*Prof. Nigel Tapper, Monash University (TOPC)*

1. Discussion