

**SSEC/CIMSS  
Seminar**

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**Hydrometeorological Monitoring Centre of Astana**

**Using MODIS data over  
Kazakhstan**

Kazakhstan has 14 provinces, and for every one of them there is a Hydrometeorological Monitoring Centre. The Head office is KazHydromet, located in Almaty. Altogether there are 249 meteostations, plus 8 radiosonde stations in Kazakhstan.

The Hydrometeorological Monitoring Centre of Astana is responsible for meteorological and hydrological forecasts as well as air and water quality assessments. The Centre has access to roughly 20 meteostations as well as some satellite images.

In the past two months, utilization of MODIS data in Kazakhstan has been explored. The goal is to provide forecasters with weather maps with temperature in every 5x5 km to supplement the 250 points of ground observations and the 8 radiosonde stations covering the 2.7 million km<sup>2</sup> area. It is hoped that this will have significant impact on local forecasts in Kazakhstan.

**Thursday, 17 January 2008**  
**2:00 p.m.**  
**Room AOSS 351**