

Séminaire mardi le 15 sept 2015 11:00 / Seminar Tuesday Sept 19th 2015 11:00h

Sujet/Subject: Climate change and Natural Hazards in Oman (Arabia)

Langue/language : Anglais/English

Conférencier/Lecturer: Said Hamed AlSarmi (Director of R&D, Directorate of Meteorology, Oman's Public Authority for Civil Aviation (PACA))

Résumé/Abstract:

The global climate is changing. Compared with many parts of the world, especially North America and Europe, relatively little is known about how climate has changed over the Arabian Peninsula (AP) in recent decades. Quantifying the climate change in the mean and extreme temperature and precipitation variables and understanding the mechanisms behind these changes are essential for establishing adequate and proper adaptation strategies to ensure sustainability, reduce vulnerability and safeguard higher rates of warming than the monsoonal region. Spring and summer seasons witness the highest significant warming. The interannual variability of the AP temperature and precipitation shows marked negative association after 1998. Southern Oman was affected by the huge Tsunami of December 2004 where wave height recorded was 0.8-2.9 meters. This lead His Majesty the Sultan of Oman Qaboos bin Said to issue a royal decree on early 2005 to establish a National warning centre for Tsunami under the responsibility of the Oman Meteorological Service. After years of planning and working (2005-20015), the National Multi-Hazards Early Warning System (NMHEWS) was opened this year on the 23 March 2015 (the WMO day).