

## INTRODUCTION & OBJECTIVE

Oman Water Society has Organized Seminar on Tropical Cyclone & It's Effects On Community on 6 June 2012 Governorate Of Sur .

A tropical cyclone is a storm system characterized by a low-pressure center and numerous thunderstorms that produce strong winds and heavy rain. During the last decade 2000-2010 Oman was subjected to two tropical cyclones; GONU in 2007 and PHET in 2010, heavy rain concentrated on the eastern coastal area of northern Oman, particularly on Muscat and As Sharqiyah. The heavy rain accompanied with high flash floods caused massive devastation, of various infrastructures, roads, tele-communications lines, water supply lines in addition to destroying of many farms, buildings and private properties. In view of the above and in continuation of the success of the First Workshop held in 2011, the Oman Water Society has organized the "2nd Seminar on Tropical Cyclones and It's Effects on Community".

This Seminar aims to gather experts and concerned parties to share their knowledge and experiences in Tropical Cyclones. The main purpose is to reduce the negative impacts of such phenomenon and seek to develop risk management systems of natural disasters and develop early warning monitoring systems which would contribute to the predictability and preparedness.

## RECOMMENDATION

- Continue to update and use of mathematical modeling programs in the field of hurricane forecasting and determine its tracks, especially those that arise in the Arabian Sea and benefit from the experience of other countries in this area.
- Gratitude of the significant role played by sub-national committees of the National Committee for Civil Defense entrusted with the management of crises and natural disasters with the importance of providing them with the latest technologies that contribute to raise the efficiency of its performance.
- Attendance praised the actions taken to clean up the valleys and streams expanded as much as possible and to encourage sectors of the community to do their parts in that and take deterrent measures to curb infringements on these valleys.

- The audience praised to the role of the great effort to develop a network of hydrometric monitoring and the use of modern technologies in the data transfer in real time remote monitoring system which contributes water to obtain data in short time so they make the right decisions quickly.
- The participants have confirmed the importance of informing the people about the national emergency plan. This action should make everyone in the society knew the actions and steps to be taken especially during evacuation stage.
- The audience consider to continually update for " maps of flood risk " and " Atlas floods " and " curves periods recurrence of flash floods " in order to better knowledge of the hydrological valleys which will protect the tracks and raise the efficiency of design constructors water installations and infrastructure, especially in urban areas is important.
- The attendance gratitude the authorities concerned the design and implementation of infrastructure projects modernization and the development of specifications and standards which commensurate the area. And to reduce the risk and benefit of accumulated experience
- Attendance praised the efforts to distribute food stores in different locations of the Sultanate and the provision of adequate stocks of basic services and water during the emergency period.
- Attendance stressed the importance of awareness and guidance to citizens and residents of the seriousness of such natural disasters and the need to follow the instructions and guidelines from official sources at the same time the need to implement training programs to build the capacity and competence of workers in the field of water resources and risk management and crisis.
- The audience suggested that the authorities should establish regional program for cooperation in the field of sudden flood forecasting.
- Invite the national society associations and scientific bodies to contribute to their activities in the field of relief and applied scientific research, which it aims to reduce the risk of flooding.
- The attendance gratitude significant role played by the National Center of emergency situations and the importance of the implementation of the lectures periodically to all segments of society through the offices of Their Excellences the governors of all the states of the Sultanate to raise awareness of the full dangers of adversity climate exceptional and sudden floods and ways to confront and organize experiences evacuation.

## OUT COME OF THE SECOND SEMINAR ON TROPICAL CYCLONE & (IT'S EFFECTS ON COMMUNITY)

