**CAZALAC PROPOSALS FOR THE “CLIMATE SERVICES FOR IMPROVED WATER RESOURCES MANAGEMENT IN VULNERABLE REGIONS TO CLIMATE CHANGE IN LATIN AMERICA AND THE CARIBBEAN” ACTIVITY.**

The proposals will be listed following the guidelines established by the different sessions of the activity.

**Day 1 (climwarlac)**

**Session 1: Integrated Drought Risk Management.**

* **Congress on Water Management in Arid Zones:** this activity is intended to promote the dialogue between the scientific community, the user community and policy makers, related to water management. The result of this activity will be a book that summarizes every methodology that is used nowadays to manage water in LAC.
* In the same line, on (date) the **2nd International Expert Symposium “Coping with Droughts”** will be held. The topics to be considered are drought monitoring and early warning capacities linked to vulnerability assessment and drought preparedness policies.

**Session 2: Climate Services for Water Resources Management**

**Session 3: Climate Change Impact on Water Resources Management**

**Session 4: Capacity building gaps and needs**

**Day 2 (watersec)**

**Session 1 - Climate Change Risk and Vulnerability Assessment in Mountainous Regions**

* To contribute in the implementation of a methodological framework for drought vulnerability assessment in Chile, with the Ministry of Agriculture of Chile and the PRONACOSE (México).
* During 2014 to 2015 two workshops conducted on climate change scenarios in vulnerable watershed to climate variability in LAC were developed. Within the workshops framework, a study case is proposed using the Huasco Basin (Chile) as pilot area in order to conclude what has been done previously. This activity could be part of the AGWA initiative.

**Session 2 - Implementation of Climate Risk Management**

* To develop the Mid-Summer Drought Atlas of Cuba and later on in other regions of LAC. This product will be based on the Drought Atlas for Latin America and the Caribbean methodology and includes new modeling techniques.
* To coordinate a “Climate Data Library” workshop (Fostering the Climate Data Library) to train experts from several meteorological services so they can implement it in their countries. This activity also supports the G-Wadi initiative, which seeks, among other objectives, sharing knowledge of hydrological systems.

**Session 3 – Adaptive water and soil conservation measures**

* Coordinate a workshop and a further seminar to train experts in matter of Groundwater Recharge techniques. This activity will start the implementation of a program of groundwater recharge in pilot areas with the support of PRONACOSE (México). The final results will be presented on a seminar which its primary objective will be to share successful experiences. (COSECHA DE AGUAS)
* Seminars: Soil and water in climate change scenarios: CAZALAC will coordinate series seminars in diverse LAC countries regarding soil-water conservation and management in the climate change scenario. Seminars will be on soil-water relationship (physical, chemical and biological) and risk linking; soil conservation techniques for water quality, soil and water modeling.

**Session 4 - Capacity building, outreach activities and the Global Knowledge Forum**

* According to the G-WADI initiative and based on the objectives proposed by the ClimWAR-LAC project, a database of isotopes experts will be developed and promoted by CAZALAC. This initiative will kick-start an expert Forum regarding this topic.