2012 from 2013 plans at GMGEC : Preparation of the next versions of the offline large scale system SURFEX-TRIP and of the coupled climate model CNRM-CM6 :

- Optimization and re-writing of some parts of ISBA-CC (*done*) and ISBA-Ags (*will be done*)

- First test of ISBA-Ags-CC in CNRM-CM6-beta, i.e. old CMIP-5 physics (*done*)

- Work on ISBA-DF, permafrost, and aquifers (*the most important is done*)

    - DF-ES validates using soil temperature, discharges, snow observations (*France done, Siberia under way*)

    - Soil/aquifer coupling done between SURFEX and TRIP but must be improved

- Reading FA files in PREP (*done but must be phased on version 7.3*)

- Introduction of dynamic vegetation using LPJ (*under way for summer 2013*)

    - Require 19 vegtypes (or PFT) instead of 12 (*done but must be phased on version 7.3*)

- Use new OASIS-4 for SURFEX-TRIP coupling in offline mode, and ARPEGE-TRIP-NEMO coupling in CNRM-CM6. This coupling must be the same in both cases (*will be done during this summer/autumn*)

    - The direct coupling between TRIP and SURFEX must be deleted due to v7.3 parallelization (*under way*)

- Introduction of GELATO-1D (*under way for winter 2013*)

- Improvement of transpiration over tropical forest (*done for Jarvis, under way for Ags*)

- Impacts of new MODIS-based albedo and Flake scheme on ARPEGE climatology (*under way*)

    - Require version 7.3 in ARPEGE (*soon*)

- We hope the first global tests of ISBA-DF-ES-MEB in offline and online mode for the end of 2013