Developments available in v8 for the 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-Ags-CC (*done*)

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

- 19 vegtypes (or PFT) instead of 12 (*done*)

- Improvement of transpiration and ISBA-Ags-CC over tropical forest (*done*)

- ISBA-DF-ES: snow, permafrost and aquifers (*done*)
  - DF-ES validates using soil temperature, discharges, snow observations
  - ES use 6 or 12 (new default) layers instead of 3
  - Soil/aquifer coupling done between SURFEX and TRIP

- Some changes in Flake scheme (*done, see GMME contribution*)

- Use new OASIS3-MCT for SURFEX-TRIP coupling in offline and online mode (*done*)

- The direct coupling between TRIP and SURFEX is deleted (*done*)

- Reading FA files in PREP but only for ISBA and FLAKE (*done in March*)

- Introduction of GELATO-1D (*done*)
  - Tests offline done and online with ARPEGE during March.
  - Code available in April-May on a v7.3-gmgec version.

2014 plans at GMGEC :

- Continue testing the pre-v8 version (offline and online) and, particularly, we hope the first global tests of ISBA-DF-ES-MEB in offline and online mode for now

- Test v8 version offline and online

- Improvement of land-use routines

- Introduction of dynamic vegetation using LPJ in v8
  - A prototype exist in v7.3

- Vertical heterogeneities for ISBA-DF (soil texture, compaction, …)

- Improve some vegetation parameters and ISBA-Ags-CC like over tropical forest but for some other natural vegtypes (especially forest)