Country group exercises: Scope of Work for wide-scale EFlows assessments

1. Identify rivers important to the marine environment (Google Earth)
   a. Move so that view shows the coast line of you country
   b. Go back in time; select an image in the wet season
   c. Zoom in so you can see the rivers entering the ocean
   d. Start in S and move N, checking each river entering the ocean
   e. Where you can see a plume of sediment entering the ocean from the rivers, mark the river using a pointer in Google and label it with river name
   f. Mark all rivers with major plumes – using several images from several years
2. Select a study area
   a. Zoom out on Google area and check for marine areas supported by one river or groups of rivers:
   b. Demarcate these areas
   c. Select one area
   d. Rank rivers in study area in terms of the relative amount of sediment provided to ocean
   e. For top two ranked systems – go to step 3
3. Select ecosystems for inclusion in EFA (Google Earth)
   a. ID different aquatic ecosystems (main river channel, tributaries, estuary, wetlands, floodplains, etc.)
   b. Mark location of these using GE polygons
4. Gather additional information for selected river(s) (Google Earth):
   a. Divide river channel on the basis of (mark divisions on GE):
      i. FEOW (https://www.feow.org)
      ii. channel planform (see Rosgen's Stream Classification)
   b. Delineate boundaries for estuary and marine system
   c. Map main settlements
   d. Identify main uses of the river
   e. Mark the location of the top three river uses
5. Select provisional EFlows sites/zones/areas
   a. Select six EFlows sites/zones/areas for detailed EF study
   b. For each – estimate Present Ecological State
6. Design future scenarios to be evaluated
   a. Pick top main uses
   b. Design two future scenarios that comprise a mix of three main uses :
      i. 2030
      ii. 2050
   c. Provide some indication of expected Climate Changes for the study area
   d. Make an additional two future scenarios: 2030CC; 2050CC
7. Identify partners in study:
   a. Other government organisation/cross sectoral corporation
   b. Resource institutions – universities/consultants
   c. Stakeholders
8. Identify key questions / issues to be addressed by EFA

    a. ID four main questions/concerns of key Stakeholders

    b. Identify other priorities that could be addressed through design of the SoW for an EFA

9. Select a method type or types suggested for use in the EFA.

10. ID baseline data that will be needed for EFA and potential sites for monitoring.

Rosgen's Stream Classification System