**Environmental Programming – Project <Ctrl\_Coders>**

**Topic 11**: Rainfall statistics for natural hazard area using Remote Sensing (**Axel**)

* Visualize multiple spatial datasets and save figure (Democratic Republic of the Congo)
* Determine areas affected by natural hazard using thresholds derived from slope and stream network
* Create two maps, one showing only landslide area, and one showing the flash flood area
* Compute statistics of spatially-distributed rainfall and make plots

**Data**

* Study area in the northwest of Lake Tanganyika, in the East of Congo, close to the border with Burundi
* 12 days of rainfall data in the study area between April 13th and April 24th in 2020 (tif files)
* Natural hazards detection map of this zone (tif file)
* Slope map of the region which is in the mountains (tif file)
* Stream network map for the considered area (tif file)