climada module **CAM** 28 Feb 2015

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This module supports the CAM project

It allows to analyze other TC track data than UNISYS (e.g. from NCAR), to calculate country risk results[1] and all other analyses as provided by climada.

Further, the module calculates the economic loss (i.e. the full range of economic costs in the wake of a natural disaster) associated with the hazard event sets[2].

Content

Table of Contents

CAM module – basics

The module mainly supports tropical cyclone (TC) tracks from other sources than UNISYS. Please first have a look at the code `selected_countries_CAM`, which runs all required steps as a batch code.

Function reference

Use `help {function name}` to get a detailed description and input/output specification

Top level functions

`selected_countries_CAM`: batch code to run all in one

`cam_entity_value_GDP_SSP_one`: Scale one entities assets to values corresponding to either present or future GDP projections

`cam_entity_value_GDP_SSP`: caller for `cam_entity_value_GDP_SSP_one` to process multiple entities (e.g. all country entities of the CAM project).

Plotting functions

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[1] Therefore, the present module relies heavily on https://github.com/davidnbresch/climada_module_country_risk
[2] See appendix for details on the calculation of economic loss based on the damages in the hazard event set.

Support-level functions

`climada_tc_read_cam_ibtrac_v02`: read netCDF file with TC tracks, called by e.g. `centroids_generate_hazard_sets` from climada module country_risk.

Also useful

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