Projections are organized into a directory tree, where “leaf” directory contains a single result for each projection specification. The reason we need many directories is because we want to have this same set of files generated for each scenario and model.

The directory structure is as follows:

/shares/gcp/outputs/**SECTOR**/impacts-**VERSION**/**BATCH**/**RCP**/**GCM**/**IAM**/**SSP**/

with the components defined below:

**SECTOR:**

The current sectors are heat-related mortality (mortality), extensive labor productivity (labor), inter- and intra-group conflict (conflict), and a standard covariates dummy sector (covariates).

The directory structure of the conflict sector is currently different because it uses IRI data. When it has a climate change result, it will have the same structure as above.

The covariates sector contains yearly values for each of a set of covariates, rather than normal impacts. The variables are described [here](https://docs.google.com/document/d/1vkrSv0ZabugHctM7W2hk7EPj6d4KqnkPsCMgVJc_6wc/edit?usp=sharing).

**VERSION:**

The version identifies changes in either the CSVV parameters or the underlying calculations.

The version directory name is an arbitrary set of letters. Be sure to find out which arbitrary letters to use for the most recent version.

**BATCH:**

Each “batch” of results can reproduce the entire set of models and scenarios, but does so with different set of assumptions or parameters. There are three kinds of batch folders:

* “Single” results (the folder name starts with ‘single’) are used for diagnostics and contain the allpreds.csv, allcalcs.csv, and allcoeffs.csv (or allbins.csv) files.
* “Median” results (the folder name is typically just ‘median’) set all uncertain parameters to their median value.
* “Batch” results (the folder name starts with ‘batch’) set all uncertain parameters to a random Monte Carlo draw across the range of uncertainty. We need multiple of these batch folders to explore the entire range of uncertainty.

**RCP:**

The RCP is the climate scenario. Currently, RCP 4.5 and RCP 8.5 are produced. Other RCPs would require new climate data to be able to be projected.

**GCM:**

The GCM is the climate model. There are 21 climate models, and additional model surrogates will be added in the future. Ask Jiacan for model details.

**IAM:**

The IAM is the socioeconomic model. These can either be drawn from actual socioeconomic models produced for the Shared Socioeconomic Pathways project (OECD Env-Growth, IIASA GDP, and NCAR are major ones), or from our “merged” version which draw from multiple models to produce a single “low” GDP IAM result and “high” GDP IAM result.

**SSP:**

The SSP is the socioeconomic scenario. There are 5 produced by the Shared Socioeconomic Pathways project: SSP1 to SSP5. More information on the [modeling process](https://climate4impact.eu/impactportal/downscaling/downscalingdocs.jsp?q=Scenarios) and the [scenarios](https://www.slideshare.net/CFCC15/shared-socioeconomic-pathways-a-framework-for-assessing-potential-land-use-futures) is available elsewhere.