Meeting ODI Global (Hugo Pigott), Yan Holtz and Théophile Mouton (16/09/2025) :

* Baseline dataset are the multiplying factors.
* We need to produce at the area council level.
* The initial part of the code is about what area council have been hit by the cyclone. You may only have three affected or 15 or 20. With various categories from 3 to 5. This means that in the report, only the area council that is affected need to be outlined. All results will then be summed at the provincial level.
* Each cluster has 4 components and the second component is about what’s been the damage of the cluster. We’re taking the baseline indicator and multiplying it by the category indicator (in Baseline Multiplying Factors Category 3, 4 and 5).
* First part, **baseline resource** of the cyclone (nombre de resource): The baseline, take figures directly from the baseline dataset put them in table or figures or whatever.
* Second part **estimating the damage** take the multiplying factors and multiply them by the.
* Third part, is **what resources have to go**. e.g. 200 grammes of rice a day per person.
* Fourth part: **financial damage**, multiplying factor by the value of the commodity.

Sum numbers get national, province etc.

AC is Area Council.

Meeting with Yan (16/09/25) :

* Faire un fichier csv à la main avec nom de Council et force du cyclone, ensuite faire report. Yan fais la partie paramétrage du html.
* Faire éducation uniquement.<

Meeting with Yan (26/09/25) :

* Question : Why not configure the report by Area Council.
* Questions are in .docx folder.
* Fabriquer un fichier config avec Nom des council et impact.
* Au lieu de default cyclone category, avoir cyclone category par council. Yan to try this on Sunday evening.
* In Table 3, put column Totals on the left (first) ?
* In Table 4, why is Primary 0 VT everywhere ?
* Organisation du repo: Un dossier data, un dossier admin (notes de réunion, communication avec eux etc.).

Meeting with Yan (29/09/25) :

Idées de trucs à faire :

* ⁠supprimer l'objet region\_order et utiliser la table lookup a la place (c-a-d rajouter une colonne ou sheet dans « data/council\_province\_lookup.csv » avec les colonnes dans le bon ordre).
* teachers missing in table 2?

Teachers are excluded from damage estimates (only Schools and Students are calculated). This appears intentional since the multipliers likely focus on physical infrastructure damage and student displacement rather than teacher casualties.

Check if this is really necessary at the data wrangling step?

Education\_Level = case\_when(

Attribute == "ecce" ~ "ECCE",

Attribute == "primary" ~ "Primary",

Attribute == "secondary" ~ "Secondary",

TRUE ~ Attribute

),

It's not necessary for data wrangling - it's purely for aesthetics (making column names look nicer). Since you immediately convert back to lowercase in the damage calculation step, this is doing extra work that provides minimal benefit. We’ve refactored the code to separate data wrangling from presentation.

Meeting Hugo Pigott, Yan Holtz, Théophile Mouton (30/09/25):

* Components of the pipeline.
* Best way is to calculate for each council that are potentially hit, and then sum for provinces and national from there.
* Years go from 2020 to 2025, but are looking at the latest information. Write code use latest year, e.g. 2025 first, if not, use earlier year.
* Indicators are the headers of the tables.
* Create separate .csv file with cleaned baseline dataset.
* Financial values can be different from council to another, so this needs to be accounted in the pipeline.

Questions (9/10) :

* Years ? Unify ? Education 2024 in baseline but then 2025 in resource config ?
* Check if the equations have not changed in new full dataset

A screen shot of a computer

Description automatically generated

* No estimate of financial damage from cyclones to Emergency Telecommunications ?
* First column of Tables (only one: Region, or three (National, Province, Area Council)) ?

**Energy, resources :**

**Assumptions I'm Making:**

1. **Solar Lamps**: Using the **total of all electricity-damaged households** (sum of all 5 electricity types)
2. **Low/High Voltage Poles**: First calculating **damaged poles** = baseline poles × cyclone damage multiplier, then applying the 0.2 multiplier
3. **Power Line Cable**: Using **total damaged poles** (low voltage + high voltage) × 100 meters

**Questions to Ask Your Client:**

1. **For Solar Lamps**: Should we use:
   * All electricity-affected households (my assumption), OR
   * Only specific types (e.g., those with "no access" or "battery lamp"), OR
   * Total households in the region?
2. **For Infrastructure Resources**: Should we:
   * First calculate damaged poles using cyclone multipliers, then apply the resource ratios (my assumption), OR
   * Use baseline pole counts directly with the resource ratios?
3. **For Power Line Cable**: Should "Number of Poles Affected" be:
   * Sum of low voltage + high voltage damaged poles (my assumption), OR
   * Only one type, OR
   * Include high voltage support poles too?

Energy, financial damage :

For "Main Grid" in Table 1, should we use the "electricity poles" unit cost (160,000 VT), or is there a different cost we should use?

**Food security, response resources:**

No resources for Banana ?

**Food security, estimated financial damage:**

**Table 3 :**

**Missing: Timber Damage Multipliers**

I found that timber has **financial unit costs** in the configuration (e.g., Kauri = 70,000 VT), but there are **no damage multipliers** in the 2a Input- Damage Multiplier.csv file.