**Community data – Preventorio (Brazil) - Floods**

**About Fishnets**

10m by 10m vector grid squares were created to help analyse the community data. Where a community group had drawn an area on the map, the polygons were digitised. Where one of these polygons intersected with a cell in the ‘fishnet’, the cell was given a value of 1 - (Boolean 1= true, 0 = false).

**Flood fishnet attributes**

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| **Field Name** | **Field Alias** | **Type** | **Description** |
| MW1\_F\_G | Mothers at Work group 1 (MW1), Flooding (F) Green (G). | Boolean [1 or 0] | If 1 (true), then the associated community group recorded ‘green’ Green was used to record where flooding had never been seen. |
| MW2\_F\_G | Mothers at Work group 2 (MW2), Flooding (F) Green (G) |
| BdP\_F\_G | BankDePreventorio (BdP),Flooding (F) Green (G) |
| RA\_F\_G | ResidentsAssociation (RA),Flooding (F) Green (G) |
| Coop\_F\_G | Coop (reciclapreve)Flooding (F) Green (G) |
| Count\_F\_G | Count Flooding (F) Green (G) | Integer | This is a count of how many of the 5 groups recorded ‘Green’ i.e. they had never observed flooding in this area. It shows where (and how many) the community groups agreed. |
| MW1\_F\_O | Mothers at Work group 1 (MW1), Flooding (F) Orange (O). | Boolean [1 or 0] | If 1 (true), then the associated community group recorded ‘orange’. Orange was used to record where the community had identified areas of concern for flooding. |
| MW2\_F\_O | Mothers at Work group 2 (MW2), Flooding (F) Orange (O) |
| BdP\_F\_O | BankDePreventorio (BdP), Flooding (F) Orange(O) |
| RA\_F\_O | ResidentsAssociation (RA), Flooding (F) Orange (O) |
| Coop\_F\_O | Coop (reciclapreve)Flooding (F) Orange (O) |
| Count\_F\_O | Count Flooding (F) Orange (O) | Integer | This is a count of how many of the 5 groups recorded ‘Orange’ i.e that they were concerned about flooding in this area. It shows where (and how many) the community groups agreed. |
| MW1\_F\_R | Mothers at Work group 1 (MW1), Flooding (F) Red (R). | Boolean [1 or 0] | If 1 (true), then the associated community group recorded ‘Red’. Red was used to record where flooding occurred most often. |
| MW2\_F\_R | Mothers at Work group 2 (MW2), Flooding (F) Red (R) |
| BdP\_F\_R | BankDePreventorio (BdP),Flooding (F) Red (R) |
| RA\_F\_R | ResidentsAssociation (RA),Flooding (F) Red (R) |
| Coop\_F\_R | Coop (reciclapreve)Flooding (F) Red (R) |
| Count\_F\_R | Count Flooding (F) Red (R) | Integer | This is a count of how many of the 5 groups recorded ‘Red’ i.e that flooding occurred most often in this area. It shows where (and how many) the community groups agreed. |
| MW1\_F\_Y | Mothers at Work group 1 (MW1), Flooding (F) Yellow (Y). | Boolean [1 or 0] | If 1 (true), then the associated community group recorded ‘Yellow’. Yellow was used to record where flooding occurred sporadically. |
| MW2\_F\_Y | Mothers at Work group 2 (MW2), Flooding (F) Yellow (Y). |
| BdP\_F\_Y | BankDePreventorio (BdP),Flooding (F) Yellow (Y). |
| RA\_F\_Y | ResidentsAssociation (RA),Flooding (F) Yellow (Y). |
| Coop\_F\_Y | Coop (reciclapreve)Flooding (F) Yellow (Y). |
| Count\_F\_Y | Count Flooding (F) Yellow (Y). | Integer | This is a count of how many of the 5 groups recorded ‘Yellow’ i.e that flooding occurred sporadically in this area. It shows where (and how many) the community groups agreed. |
| MW1\_F\_pas | Mothers at Work group 1 (MW1), Flooding (F) Past flooding (pas) | Boolean [1 or 0] | If 1 (true), then the associated community group recorded past flooding to have occurred in this cell.  The attributes in red are not included as none of these groups provided information here. |
| MW2\_F\_pas | Mothers at Work group 2 (MW2), Flooding (F) Past flooding (pas) |
| BdP\_F\_pas | BankDePreventorio (BdP),Flooding (F) Past flooding (pas) |
| RA\_F\_pas | ResidentsAssociation (RA),Flooding (F) Past flooding (pas) |
| Coop\_F\_pas | Coop (reciclapreve)Flooding (F) Past flooding (pas) |
| Count\_F\_pas | Count Flooding (F) Past flooding (pas) | Integer | This is a count of how many of the 5 groups recorded past flooding in this cell. |
| [ComResNum] | Community results Index Number. | Integer 0-4 | This is an index number that relates to the Description [ComResDesc]. See table 1. |
| [ComResDes] | Community Results Description. | Text | Description (or legend) of the community results numeric [ComResNum] data for the cell. See table 1. |
| FL\_HazPerc | Flood Hazard Perception (scenario 1) | Text | Where at least group highlighted a cell as ‘Red’ (hazard occurs most often) or ‘Orange’ (area of concern) the cell is attributed ‘High’  For remaining cells - where at least one group coloured ‘yellow’ (hazard occurs sporadically) or at least one group identified the cell as experiencing the hazard in the past, the cell is attributed ‘medium’ hazard.  For all other remaining cells, the community data shows the community perceives these areas to be of least concern (relative to other areas). These are attributed ‘low or no data’. |
| FL\_HazPerc2 | Flood Hazard Perception (scenario 2) | Text | Where at least group highlighted a cell as ‘Red’ (hazard occurs most often) or ‘Orange’ (area of concern) the cell is attributed ‘High’  For remaining cells - where at least one group coloured ‘yellow’ (hazard occurs sporadically) the cell is attributed ‘medium’ hazard.  For all other remaining cells, the community data shows the community perceives these areas to be of least concern (relative to other areas). These are attributed ‘low or no data’. Those cells that were identified as having experienced the hazard in the past, but were not identified as Red, Orange or Yellow, are also attributed ‘low or no data’. |
| FL\_HazPerc3 | Flood Hazard Perception (scenario 3) | Text | Where at least group highlighted a cell as ‘Red’ (hazard occurs most often) or ‘Orange’ (area of concern) or at least one group identified the cell as experiencing the hazard in the past the cell is attributed ‘High’  For remaining cells - where at least one group coloured ‘yellow’ (hazard occurs sporadically) the cell is attributed ‘medium’ hazard.  For all other remaining cells, the community data shows the community perceives these areas to be of least concern (relative to other areas). These are attributed ‘low or no data’. |
| UL\_HazPer | UrbeLatam project – agreed model for hazard perception for flooding | Text | This field shows the hazard perception modelling scenario that the Urbe Latam project agreed upon. It reflects the field [FL\_HazPerc]. |

Table 1: How the [ComResNum] field attributes relate to the [ComResDesc] descriptions.

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| Community Results index number [ComResNum] | Description of the Community results index number [ComResDesc] |
| 0 | No community group identified this area as an area of concern for flooding or where they had seen or were aware of the occurrence of floods in the past. |
| 1 | At least one community group identified this area as having experienced floods in the past. However, flood occurrences were not recorded as being either often or sporadic, nor did any group identify this an area of concern. |
| 2 | At least one community group identified this area as an area of concern for floods. No groups identified these areas as areas where floods were occurring often or sporadically. |
| 3 | At least one community group identified this area as an area where flood occurred sporadically. |
| 4 | At least one community group identified this area as an area where floods occurred most often. |