

# Geographic Information Systems (GIS) Database

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# Geographic Information Systems (GIS)

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The Philippine Institute for Development Studies (PIDS) began its involvement in the Geographic Information Systems (GIS) in August 1999.

The GIS provides a unique way of viewing and analyzing spatial data by presenting it in a geographical format.

It can be accessed via the PIDS website at [www.gis.pids.gov.ph](http://www.gis.pids.gov.ph)

# InaSAFE

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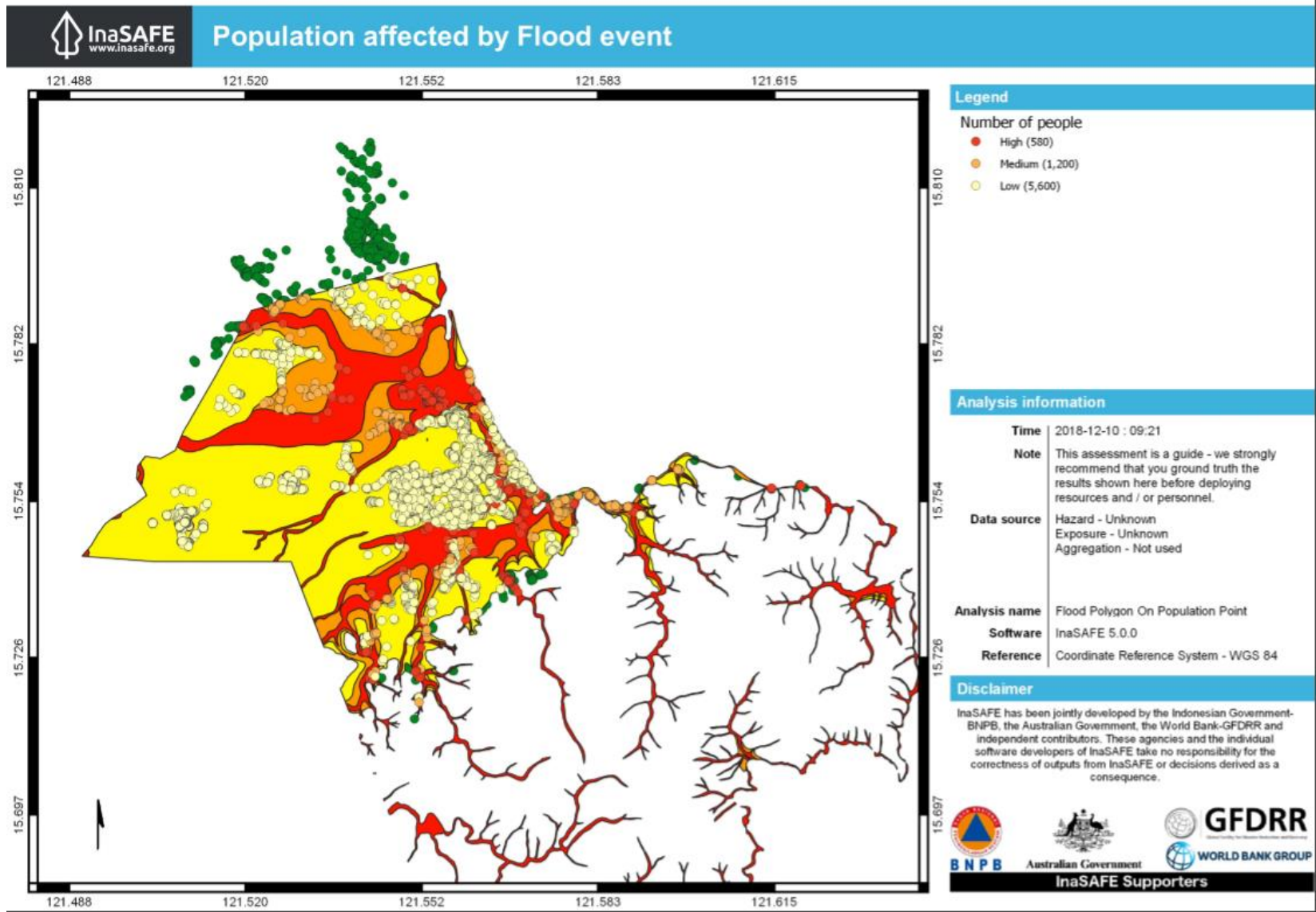
- An extension for QGIS that allows disaster managers to do better planning for disasters.
- A tool to understand what the potential impacts of a disaster will be.
- The underlying goal of InaSAFE is to encourage and facilitate better planning for disasters.

# InaSAFE

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- We started with Baler, Aurora.
- We created an overlay of population data and hazard information.
- The purpose is to come up with estimates of population that are highly vulnerable to flooding and to show the composition of that population so that we can identify their needs in case of evacuation.

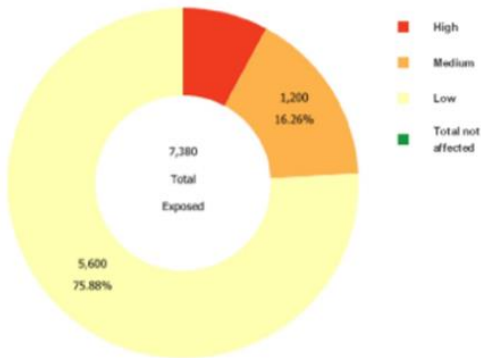
# Baler, Aurora



## Event location



## Estimated number of people exposed by hazard level



## Estimated impact of flood polygon on population point



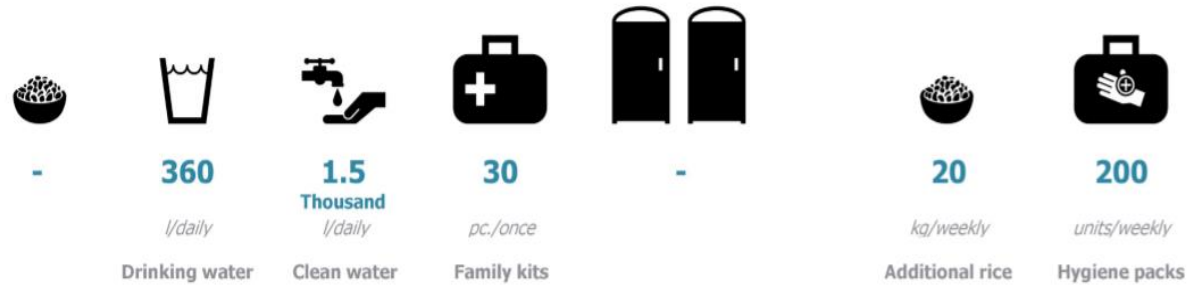
### Vulnerable people displaced by age, gender, and disability

### Displaced females by vulnerability



### Minimum needs for displaced people

### Additional needs for vulnerable females



Minimum needs based on Peraturan Kepala (Perka) BNPB No. 7/2008. Additional needs for vulnerable females based on Sphere Standard (<http://www.spherehandbook.org/en/> appendix-6/)

Thank you!

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