**WHAT'S NEW IN AIM 3.0**

- **Finest Resolution Exposure estimates**
  Estimates population and capital exposure with precision down to a 30 x 30 meter area. Uses multiple data sources to perform estimates including Facebook, WorldPop, Global Exposure (GAR), and more.

- **Estimates by sector / age demographic**
  Provides exposure estimates with breakdowns by sector and age group. Includes estimates for schools and hospitals. Also offers age breakdowns in 5-year increments (0-5, 6-10, 11-15...) and for vulnerable populations.

- **Global coverage for any type of hazard**
  Allows for the estimation of any hazard, anywhere in the world that has an associated polygon (e.g. hazard zones such as landslide susceptibility, flood inundation, etc.)

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**Earthquake M7.5 – 70km N of Sulawesi, Indonesia 09SEP2018 1002UTC**

- **Maximum Potential Population Exposure**
  - 1.3 Million people exposed to shaking intensity of VI (Strong) and above
  - 100% adults
  - 24% children <15 yrs
  - 6% elderly >64 yrs

- **Total Capital Exposure**
  - 27 hospitals exposed
  - 207 schools exposed

- **Breakdown of Potential Needs**
  - 12.1 Billion people
  - 4.1 Billion sq meters of shelter
  - 5 Million liters of water
  - 48,000 kcals per day
  - 6 Million 100-liter waste bins

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**QUESTIONS AIM CAN HELP YOU ANSWER:**

- How many people might be impacted by a disaster?
- What is the demographic makeup of the exposed population (e.g. children, elderly, adults)?
- What is the value, or replacement cost, of exposed capital (e.g. cost to replace all buildings and infrastructure)?
- Which sectors of society are most exposed?

How does the AIM model work?

Using scientifically verified global data sources, AIM analyzes population distribution across residential, commercial, industrial, and other sectors. AIM provides more than 20 attributes that breakdown exposure by demographics and sector for any location around the globe. Demographic breakdowns include the number of vulnerable people and household exposure.

It offers fine resolution exposure information at a global scale of 30 x 30 meters supporting national and subnational estimates. AIM is a multi-hazard model, allowing for the estimation of any hazard.

Example use cases for AIM

Bolivia, Brazil, Paraguay Wildfires

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Democratic People’s Republic of Korea: Flood Exercise

PDC developed a situational awareness product that was derived by combining its AIM exposure model with vulnerability data provided by United Nations OCHA and World Food Programme (WFP) to help better estimate exposure, impacts, and needs and to aid OCHA’s response operations on the ground.

Working together with United Nations Office for the Coordination of Humanitarian Affairs (OCHA), PDC used its AIM model to assist with a flood exercise scenario concentrated on the Democratic People’s Republic of Korea—a traditionally data-poor environment.