Disaster Related Statistics: the experience of Brazilian Institute of Geography and Statistics

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Expert Forum for Producers and Users of Climate Change-Related Statistics

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Population in Risk Areas in Brazil (IBGE and CEMADEN)

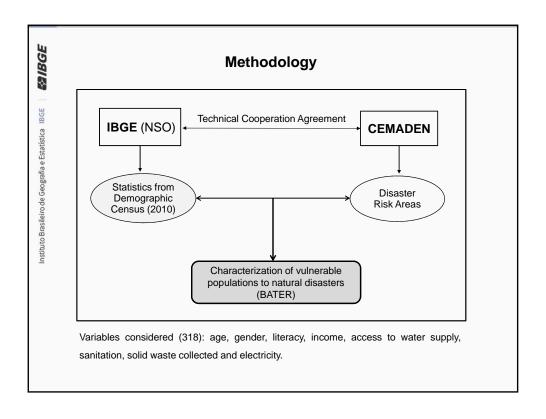


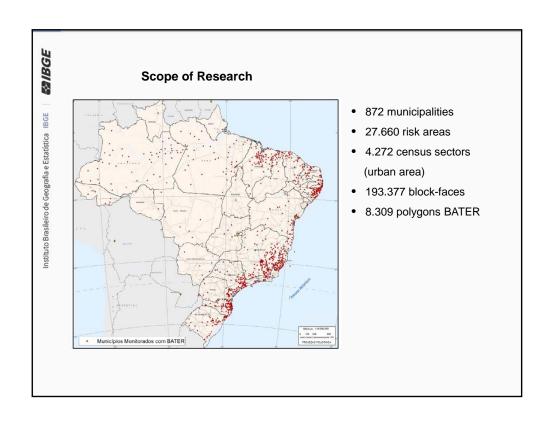


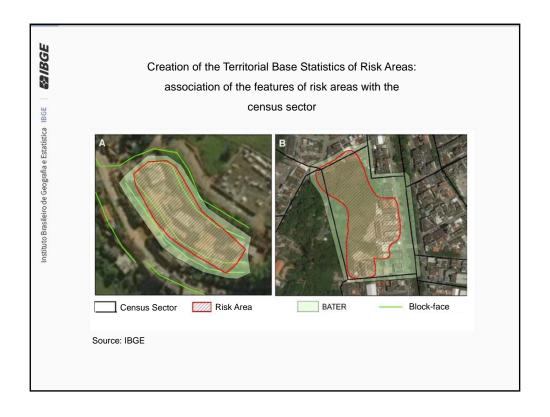
https://www.ibge.gov.br/apps/populacaoareasderisco/

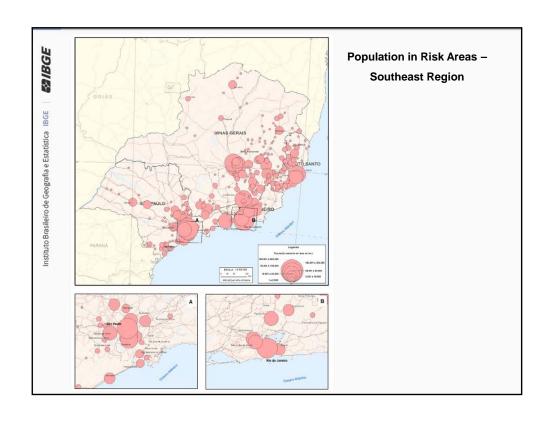
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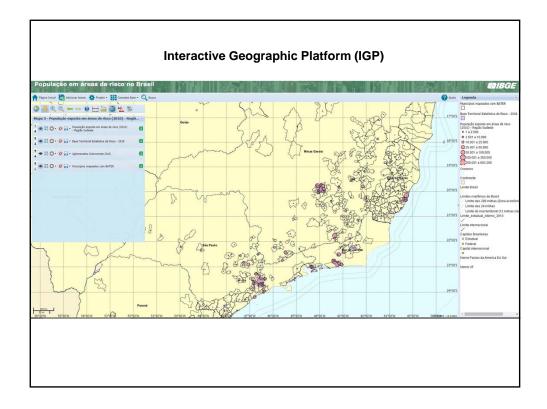
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Potentialities of using the database

- Prevention actions that can be directed to the profiles of the resident population in risk areas.
- Integrate a national database on the exposed population and subsidize intersectoral actions, such as health, education, housing, etc.
- Information on the areas of special attention, considering the concentration of vulnerable groups (children, elderly), as well as actions response, prioritizing the removal of these groups of people in the event of a disaster, in addition to identifying the areas with the highest concentration of exposed people.
- Contingency plans can also be more efficient if they include information on the age profiles of the population.

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Lessons Learnt and Recommendations

- The differences in the geometry of the census sectors in relation to risk areas led to a process of spatial generalizing to produce the new territorial entity (BATER). The accuracy of information should be considered especially in studies and work on a local scale.
- The demographic information is for 2010. Thus, there may have been some changes in population due to the households or densification of the occupation. The updating of information at smaller intervals is desirable given the dynamics of risk areas.
- The impacts of a natural disaster may exceed the limits of the polygons of risk areas. The delimitation of the BATER, often, includes the immediate surroundings of these areas, contemplating, in these cases, populations that may suffer indirect impacts from a disaster.
- The use of different risk area delimitation patterns, as mappings from various sources were used. The results obtained using this methodology are related to the quality of risk mappings, in particular as to the accuracy on the delimitation of risk areas.

The role of IBGE to produce Sustainable Development Goals indicators



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Background

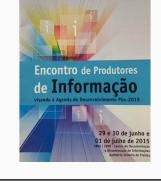
➤ IBGE: IAEG-SDGs member since 2015.

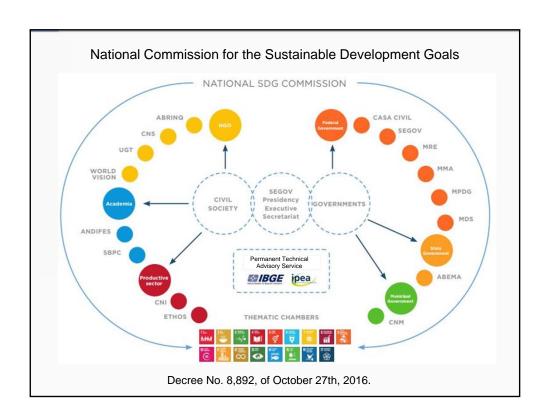
June/July, 2015: IBGE "Conference of Information Producers to Address 2030 Agenda" - discussion of global indicators.

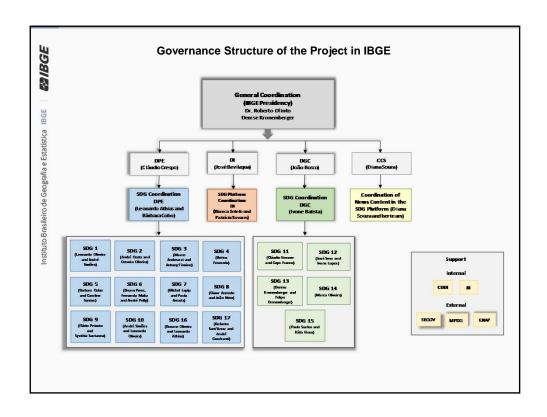
Electronic questionnaire

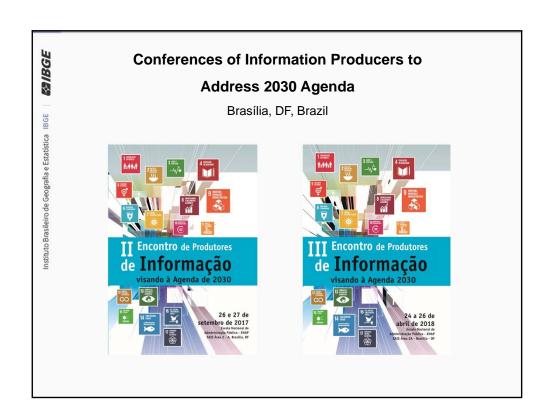
• Creation of 17 working groups

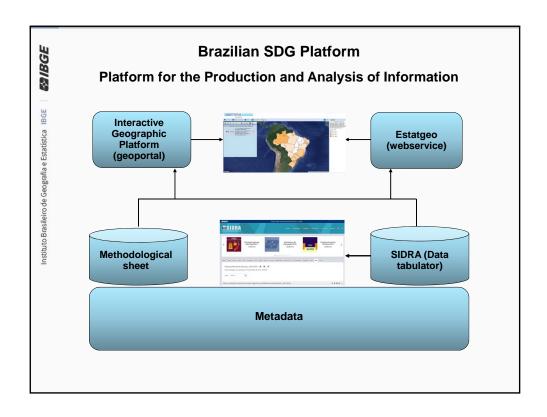
Sharepoint













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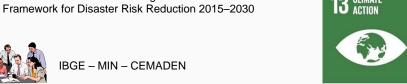
SDG Indicators about Extreme Events and Disasters

Produced

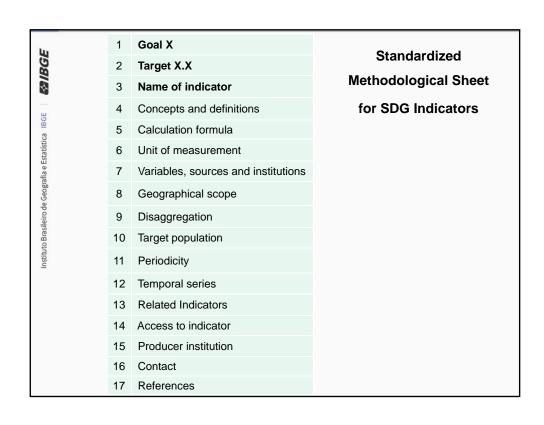
- · Number of deaths, missing persons and directly affected persons attributed to disasters per 100,000 population
- · Proportion of local governments that adopt and implement local disaster risk reduction strategies in line with national disaster risk reduction strategies

In construction

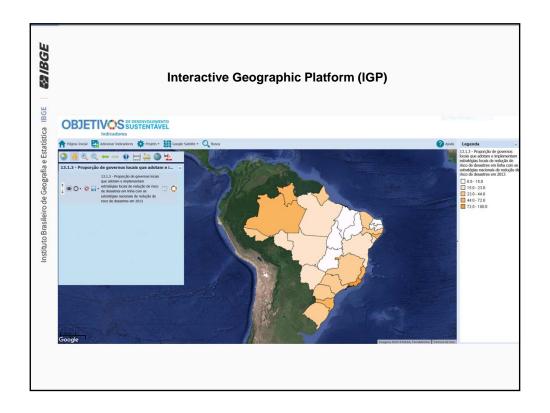
· Number of countries that adopt and implement national disaster risk reduction strategies in line with the Sendai











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Next Steps (2018-2019)

- ☐ Continue production of remaining SDG global indicators and update the ones already produced.
- ☐ Definition of National Indicators.
- ☐ Enable users to use the SDG Platform (capacity building).

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Lessons Learnt and Recommendations

- Leadership of NSO
- Governance structure (NSO and National Commission for SDGs)
- Cooperation between NSO and other government data producers
- Infrastructure (SDGs Platform)
- Integrate statistics and geospatial information

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