APPLICATION OF GIS AND REMOTE SENSING TECHNOLOGIES
IN DISASTERS MANAGEMENT IN ALGERIA

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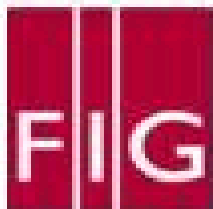
Algeria is affected by fourteen major risks (earthquakes, landslides, floods, forest fires, oil spill, etc) and the means for the management of these disasters are limited and often inadequate. In recent years, Remote Sensing and Geographical Information System (GIS) technologies have been the object of considerable interest to all bodies concerned with space and in particular emergency services and disaster management in Algeria, in collaboration with all other bodies responsible for prevention and management of all major risks in Algeria.

For our part, we are interested in this communication to present our research work concerning the management of the following risks:

- Oil spill pollution using radar SAR images

- Seisms and Earthquakes using radar differential interferometry.

- Fires forests using the indice of risk of fire forests

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