

The 12th Annual RSOs Coordination Meeting (UN-SPIDER)

EO for Building resilience against flooding in urban areas

14 – 16 November 2022



Introduction

In latest years Algeria has been facing major floods in several regions of the country causing significant damage.

□ Bab El Oued (2001)

Ghardaia (2008)

🗆 Illizi (2009)

□ Bayadh (2011)

□ In-Guezzam (2018)



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Backgound



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Objectives/Statement of the Problem

Objectives of this study is to establish an accurate and reliable flood maps in order to :

1) Regulate land use based on risk flood maps;

2) Guide the development of urbanization towards unexposed territories ;

3) Prohibit a new human settlements in the most dangerous areas.

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Imagery Orthorectification: (Scale: 1/ 5 000)





Digital Surface Model



Digital Elevation Model

Topographic measurements



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Results/Outputs







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Conclusion/Expected Outcomes

- 296 flood risk maps produced, which serve as a decision support tool in urban planning based on the level of risk and the degree of vulnerability of the territories for existing constructions and future extensions.
- EO remain essential through their contribution to the management and prevention efforts against the risks associated with floods.
- This work will be generalized for all sites classified as extreme risk in the national flood control strategy

THANK YOU