



EIDEIC III

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Influence of the cartography on the results of two-dimensional hydraulic models

Brief summary

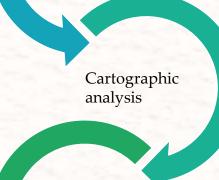




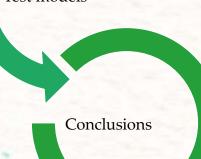
- The use of hydraulic river models is usual in the world
- The influence of the cartography is undervalued
- In other cases, the cartography is so expensive for the project
- What is the minimum cartography precision required?
- Is the satellite data enough?
- Currently developing methods to compare and analyze the difference between satellite data through big data and artificial intelligence techniques



Improve bibliographic search strategies



Test models



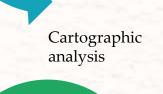


- Science and Technique
 - Finished bibliographic analysis
- Technology
 - IBER
 - GIS
 - Phyton
 - Others

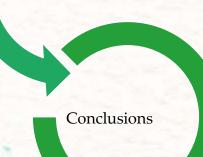


State of the art

Improve bibliographic search strategies



Test models

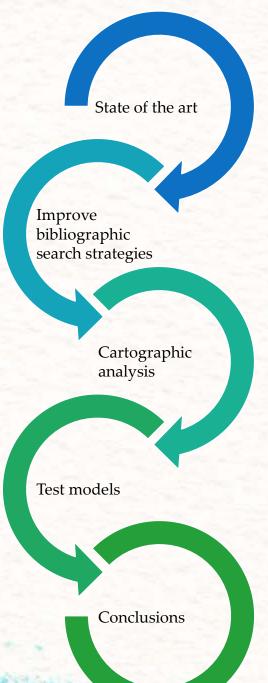




PDIC progress

- Training courses
 - Introduction to computer science and programming using Python
 - Introduction to computational thinking and data science
 - Introduction to Water and Climate
 - Earth Imagery at Work
 - Convalidated first "curso de formación transversal" (interdisciplinary education course)
- Results
 - I Congreso Internacional de Ingeniería Civil titulada "Análisis de la validez cartografía satelital para su uso en la estimación de zonas inundables" (First International Congress of Civil Engineering)

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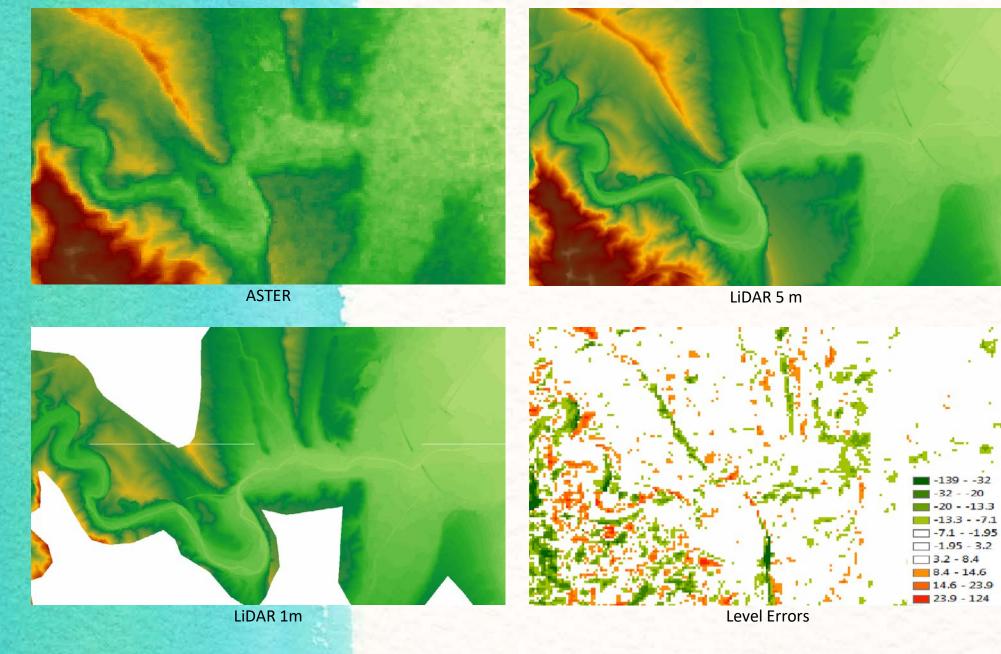




PDIC progress

- SWOT analysis
 - Updated
- Workplan
 - Updated and on time
 - Part-time dedication
- Mobility
 - Looking for a compatible Educative Mobility
- Funding
- Ethics

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Comparison between different cartographies