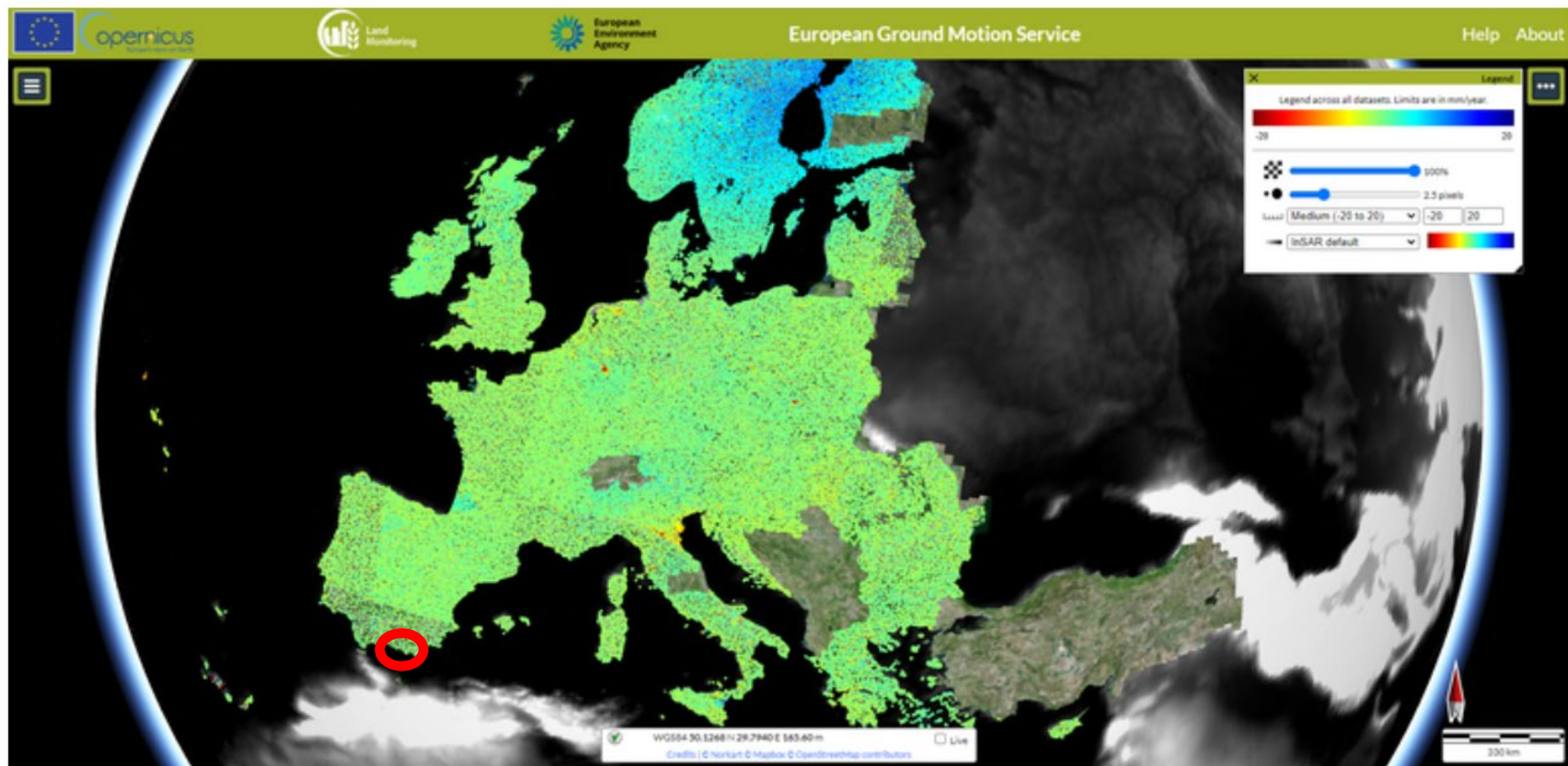


TOOLS FOR SUPPORTING SENTINEL-1 DATA INTERPRETATION: THE COAST OF GRANADA (SPAIN)

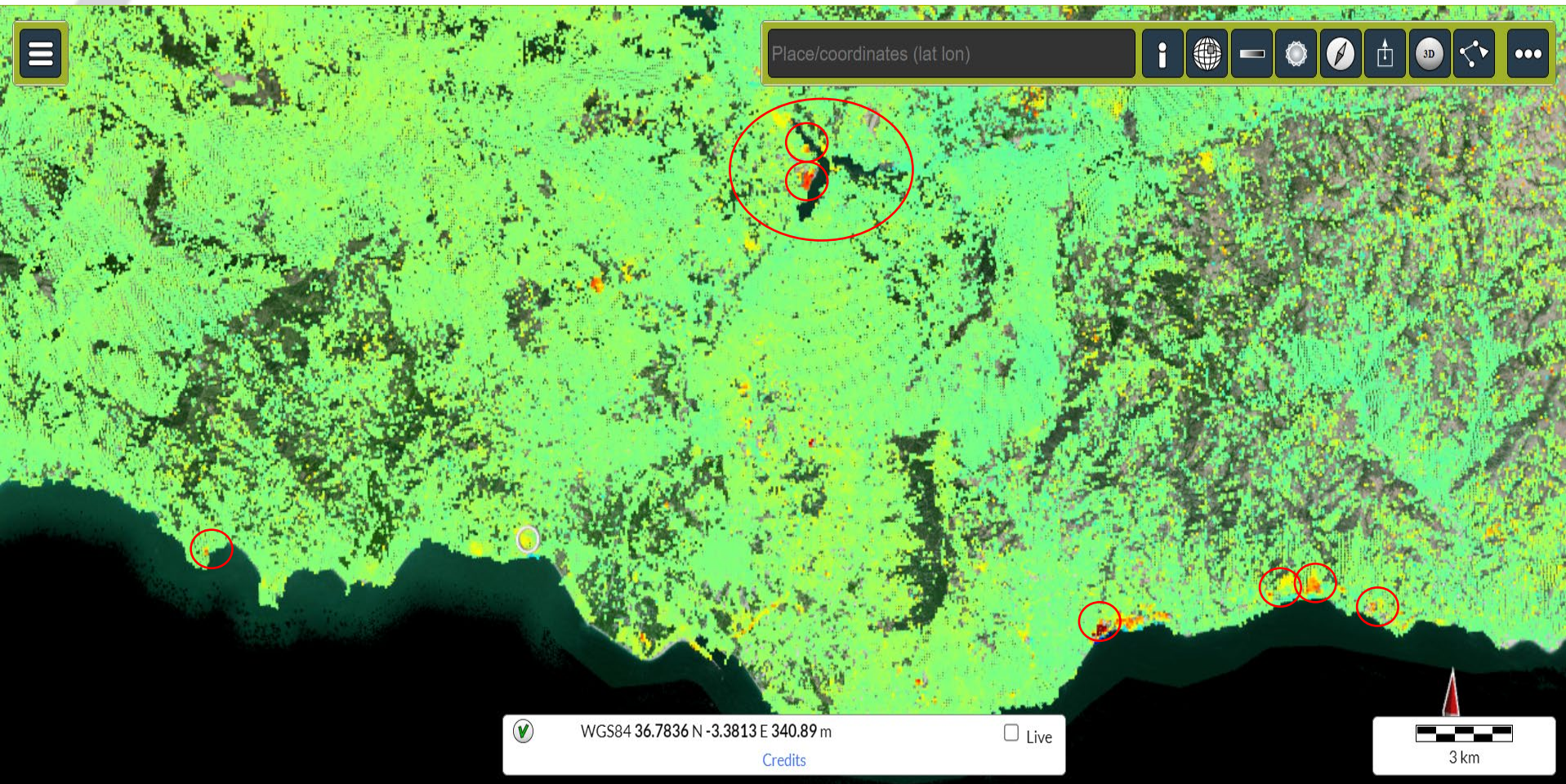
EGU – VIENNA, 2022

**O. Monserrat, A. Barra, C. Reyes-Carmona, R.M. Mateos, J.P. Galve, R. Tomas
, G. Herrera, M. Béjar, J. M. Azañón, J. Navarro, R. Sarro**

CONTEXT OF THE WORK



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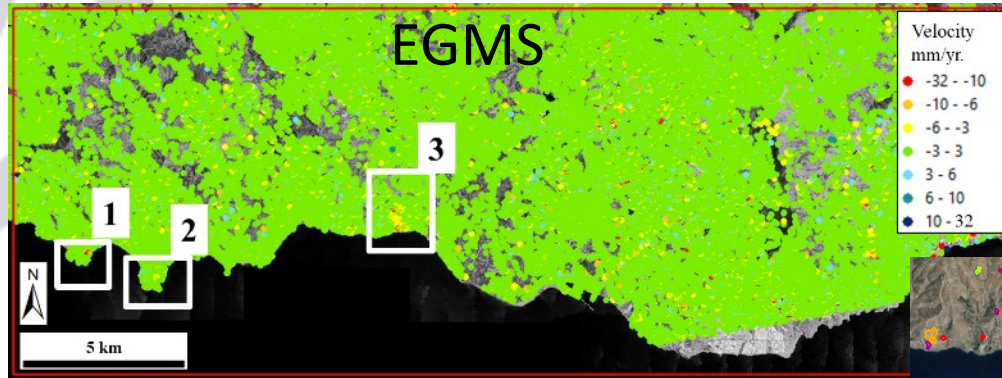


- Tools developed in the EU projects U-Geohaz (<http://u-geohaz.cttc.cat>), Safety (<http://Safety.cttc.cat>), Momit and Riskcoast (<https://riskcoast.eu/es>)
- The main goal is to help non-expert users to easily interpret and exploit the standard products provided by EGMS techniques.
 - Included:
 - Active deformation areas tool (ADA Finder)
 - Active deformation areas classifier (ADA classifier)
 - Temporal behaviour classifier
 - Potential damage assessment tool.

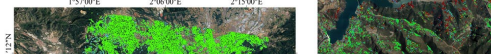
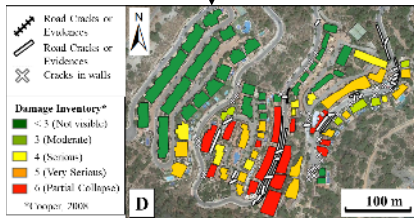
ADATOOLS

ADAtools

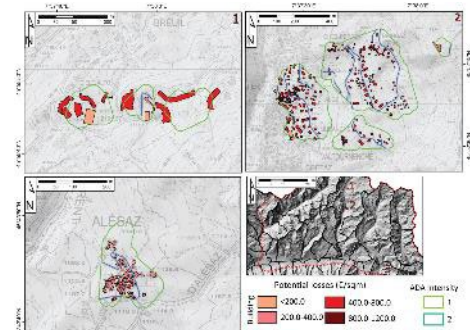
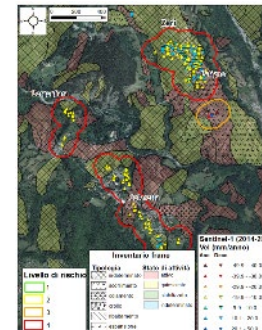
version 1.1
For Windows



RASTOOL



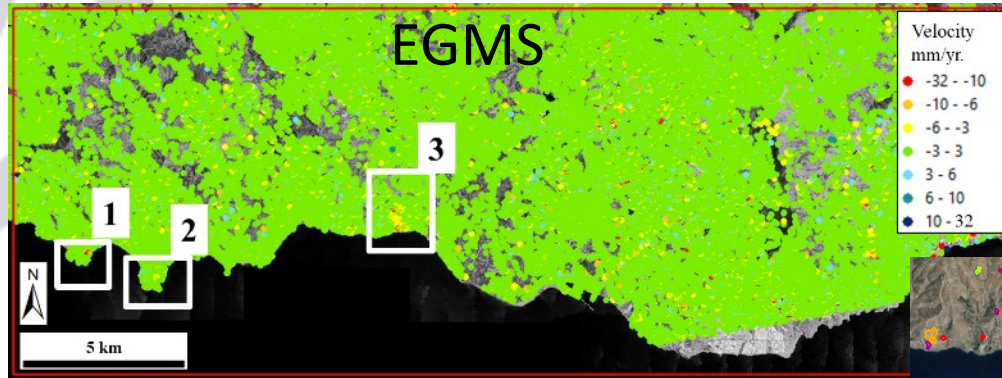
- DEM + inventories (landslides, sinkholes, land subsidences, infrastructures) + geologic map



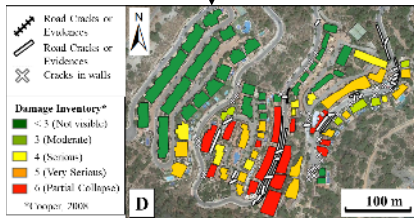
ADATOOLS

ADAtools

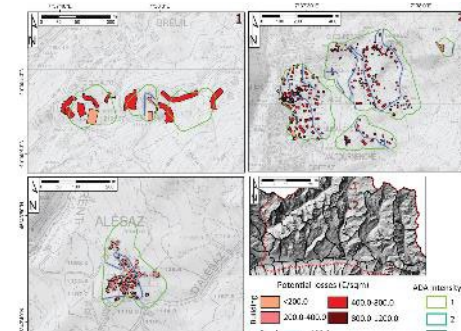
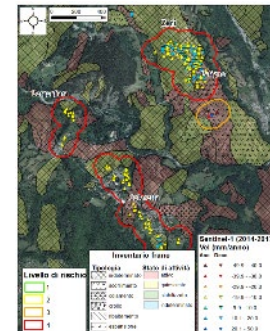
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RASTOOL



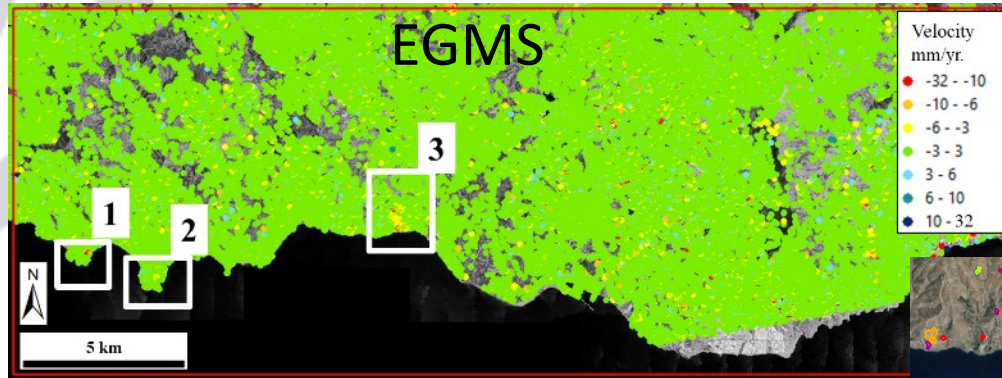
•DEM + inventories
(landslides, sinkholes, land
subsidence,
infrastructures) + geologic
map



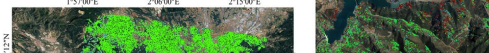
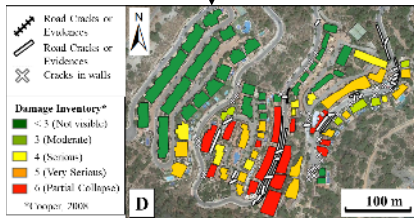
ADATOOLS

ADAtools

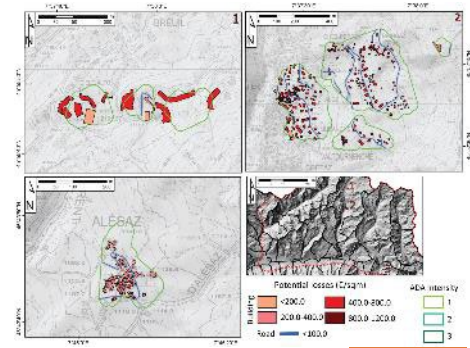
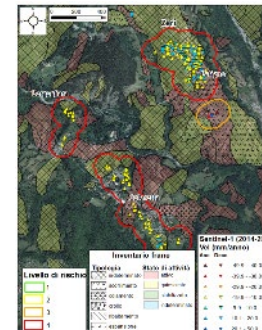
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RASTOOL



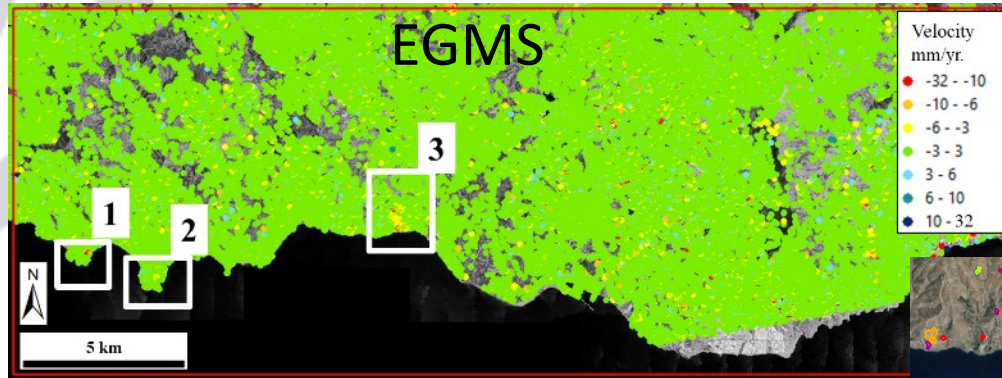
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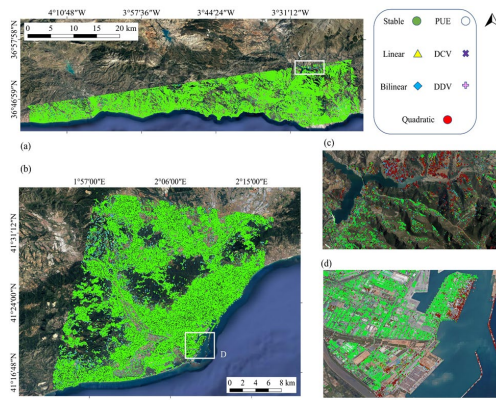
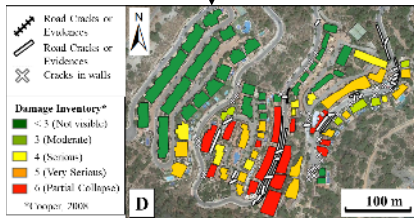
ADATOOLS

ADAtools

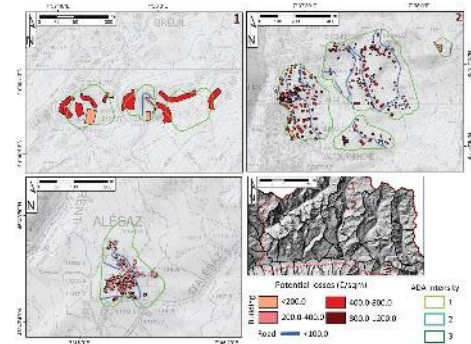
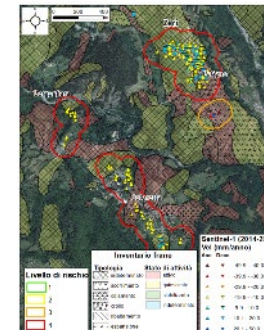
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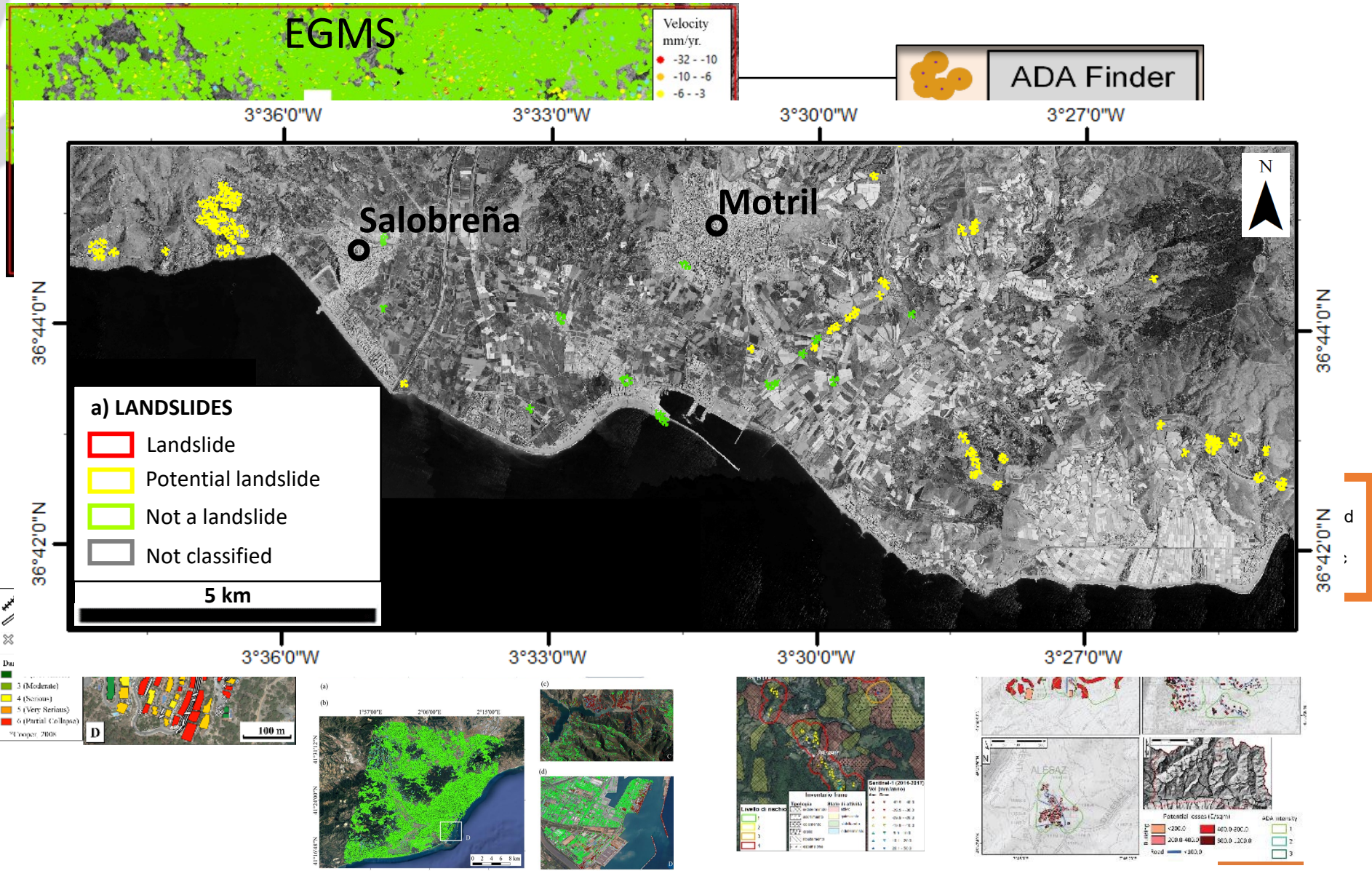
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ADATOOLS

ADAtools

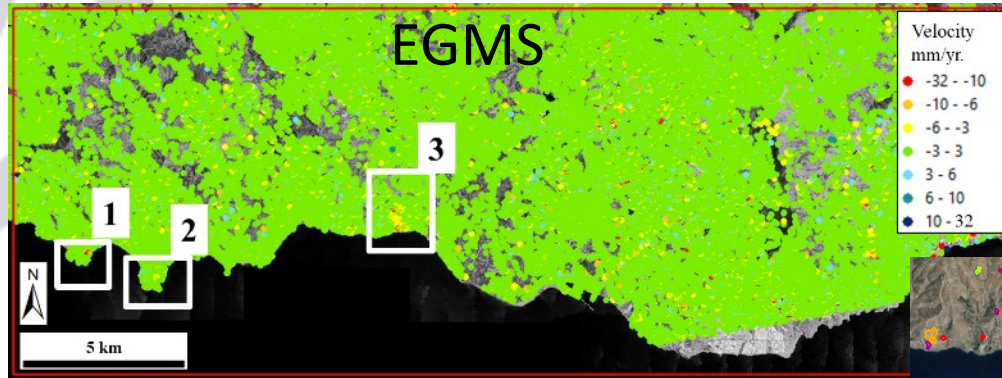
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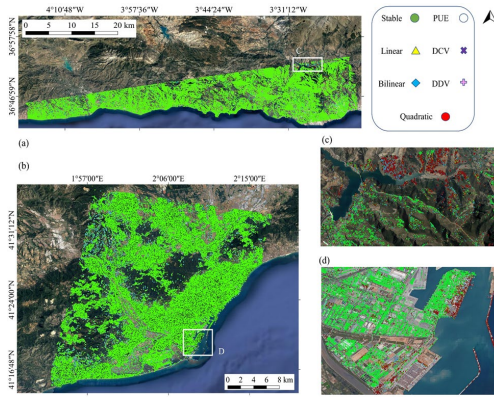
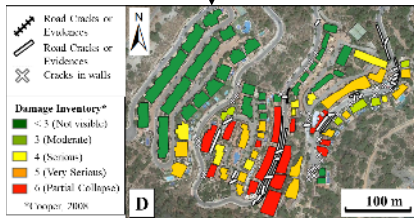
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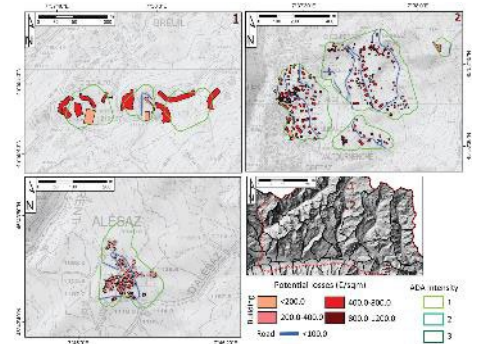
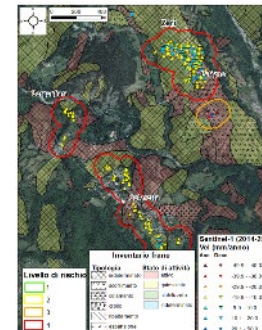
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Forthcoming



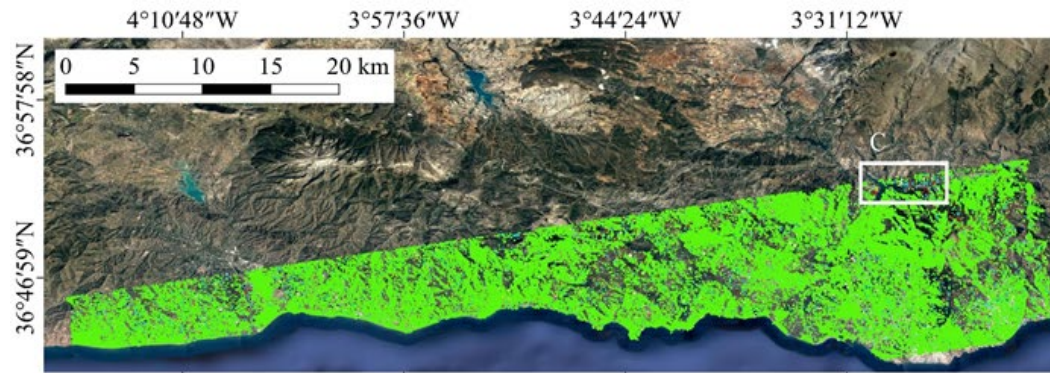
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map



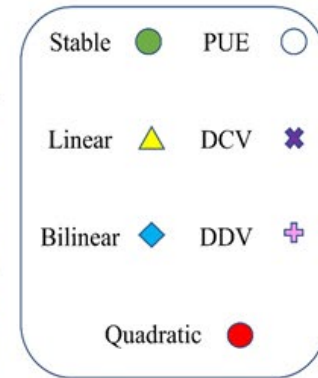
ADATOOLS: FORTHCOMING

ADAtools

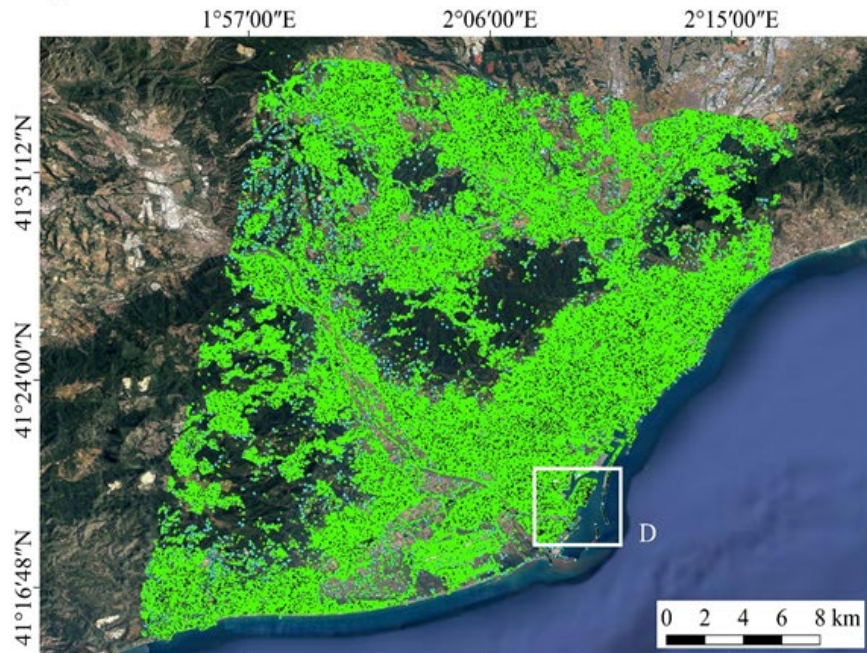
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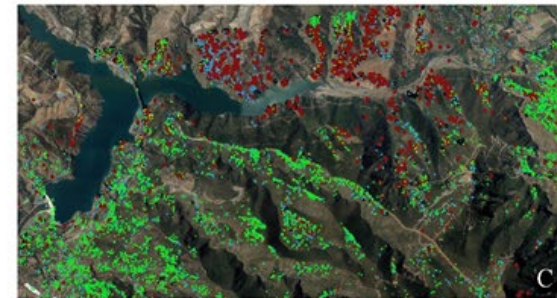
(a)



(b)



(c)



(d)



ADATOOLS : FORTHCOMING

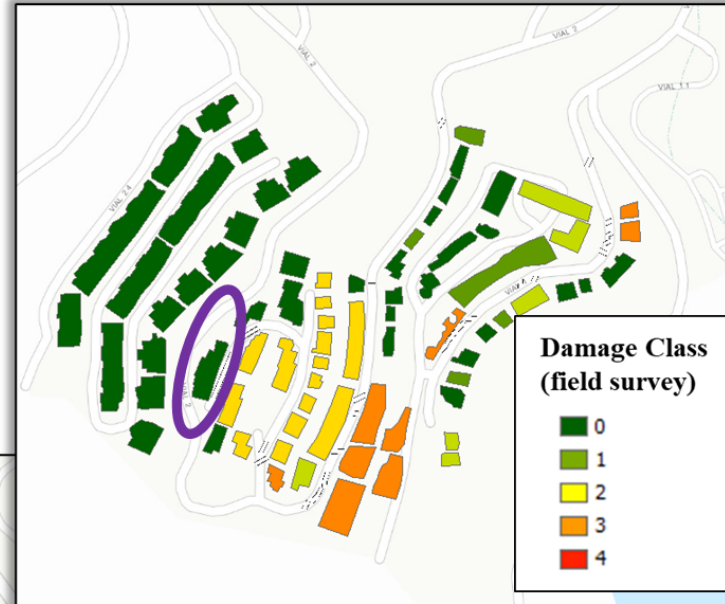
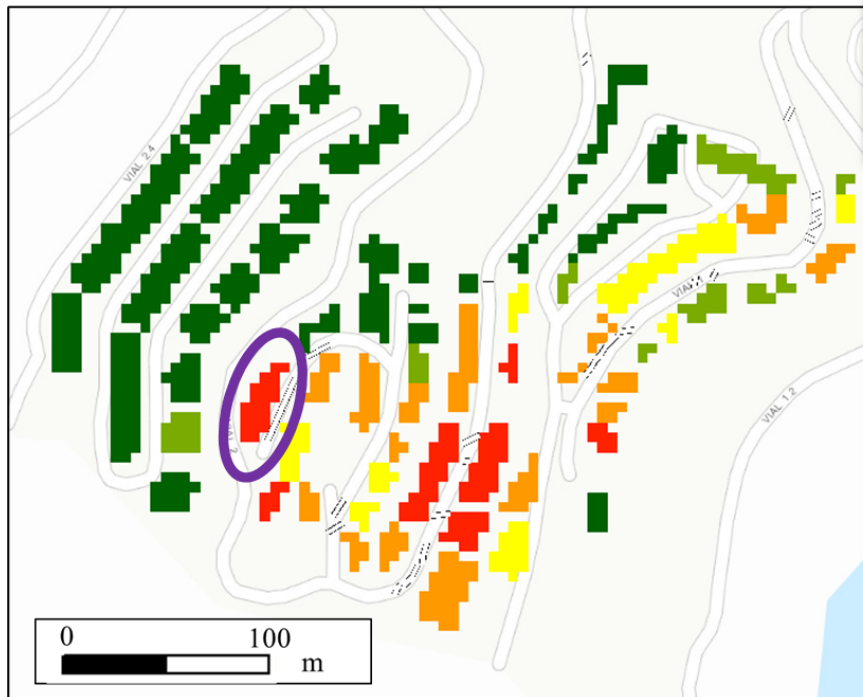
ADAtools

version 1.1
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CTTC

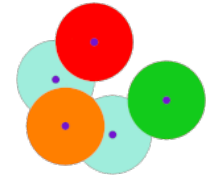
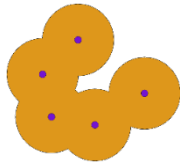


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Universidad de Alicante



Potential damage Class

- 0 - Not Measured
- 1 - Low
- 2 - Moderate
- 3 - High
- 4 - Very High



THANK YOU!!

Contacts: omonserrat@cttc.cat anna.barra@cttc.cat



MOMIT
MULTI-SCALE OBSERVATION
AND MONITORING OF RAILWAY
INFRASTRUCTURE THREATS