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DEFHY3GEO French Regional project Detection and Study of Fracturing by HYdrological, GEOMorphodynamic, geological and geophysical approach

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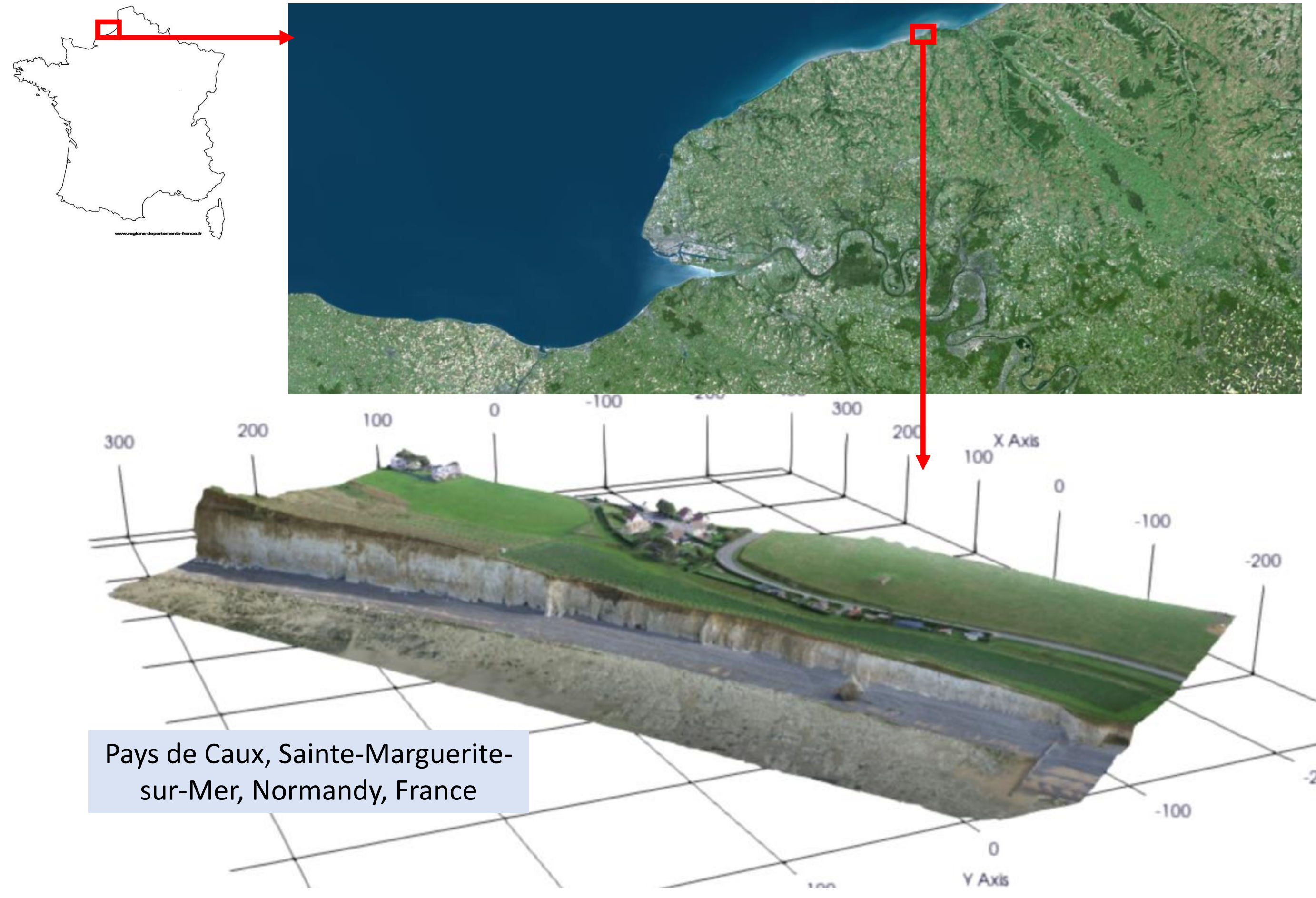
DEFHY3GEO French Regional project

Detection and Study of Fracturing by HYdrological, GEOMorphodynamic, geological and geophysical approach

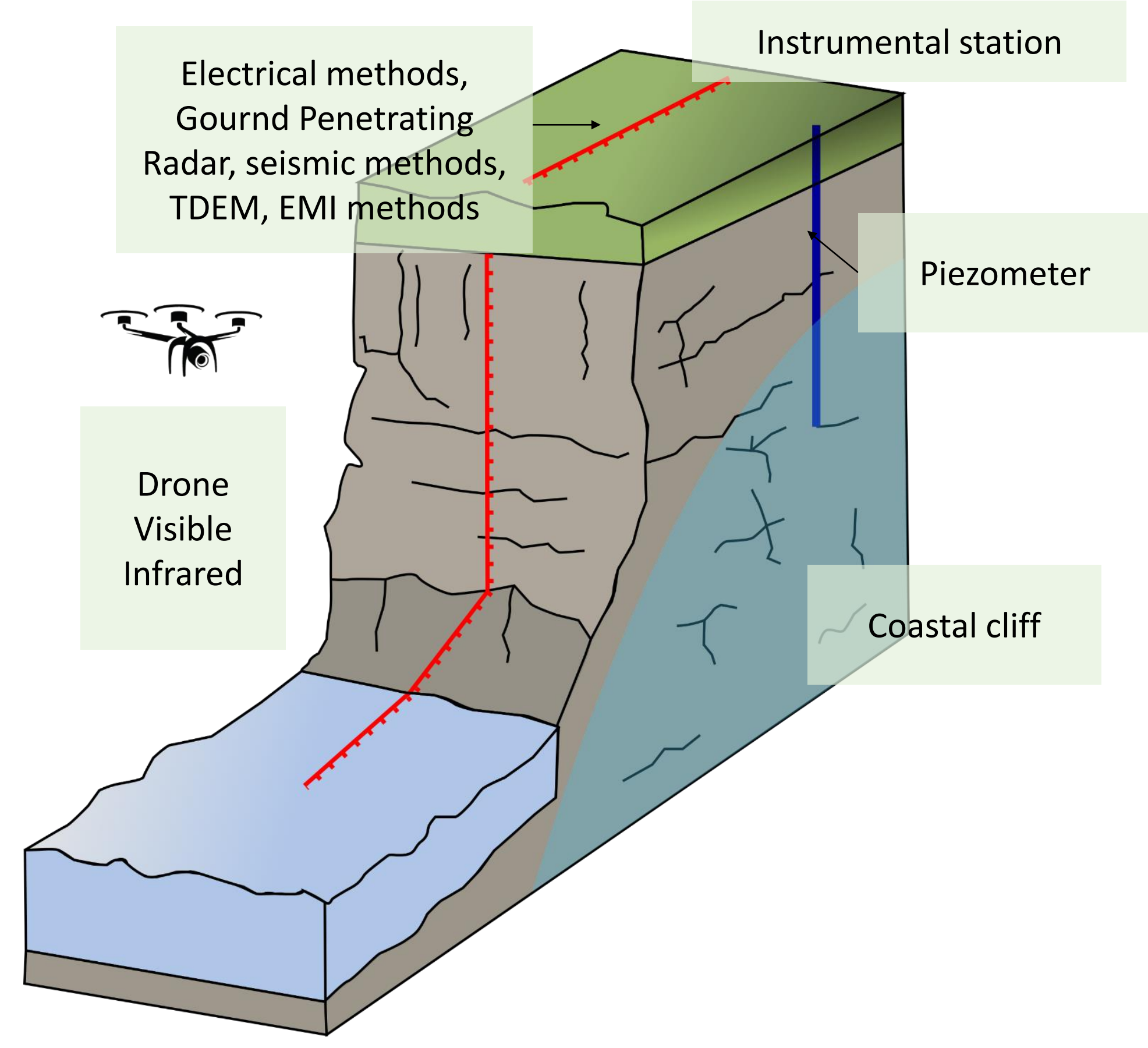


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Chalk cliffs of Sainte-Marguerite-sur-Mer



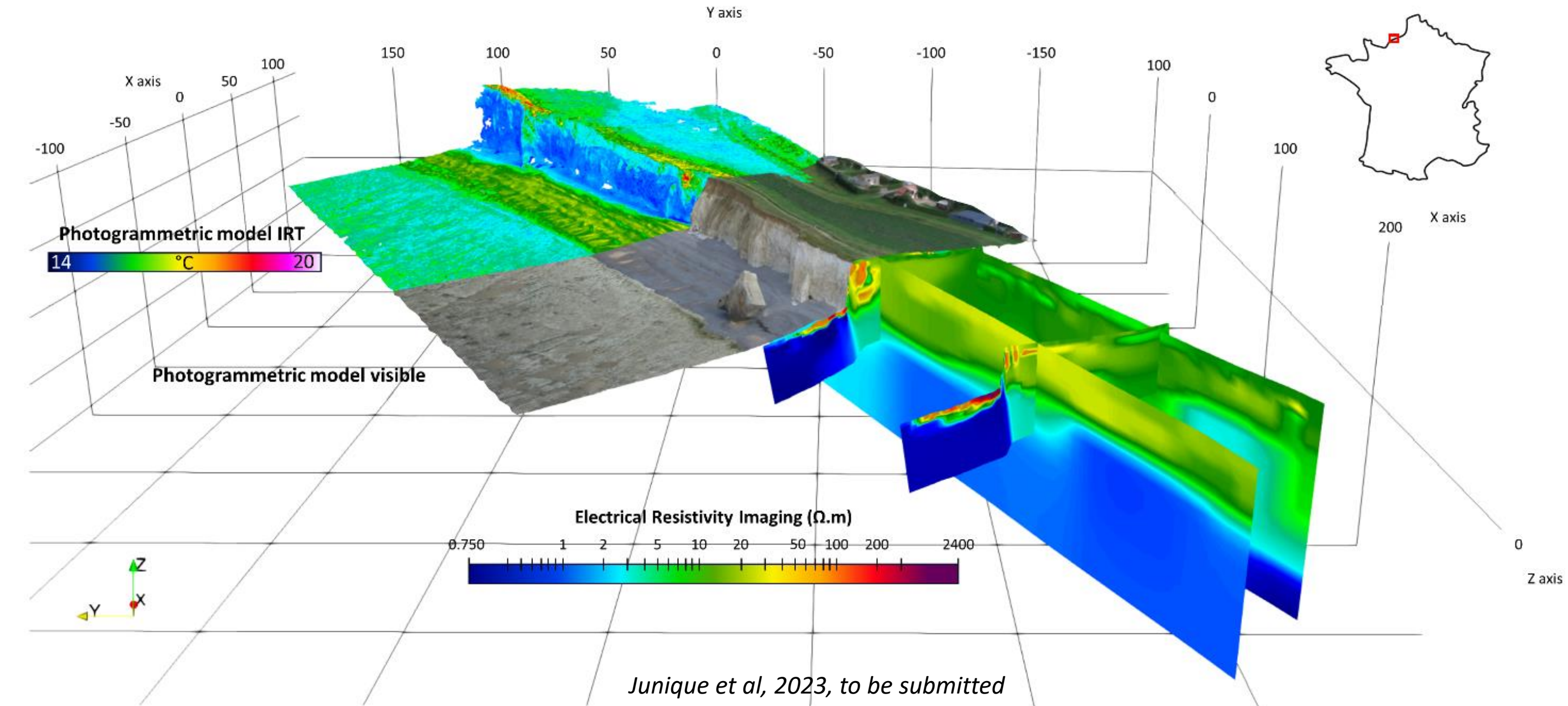
Cracks in chalk cliffs => accelerated erosion
Aim of the project = Monitoring/studying the cliffs with various approaches and techniques



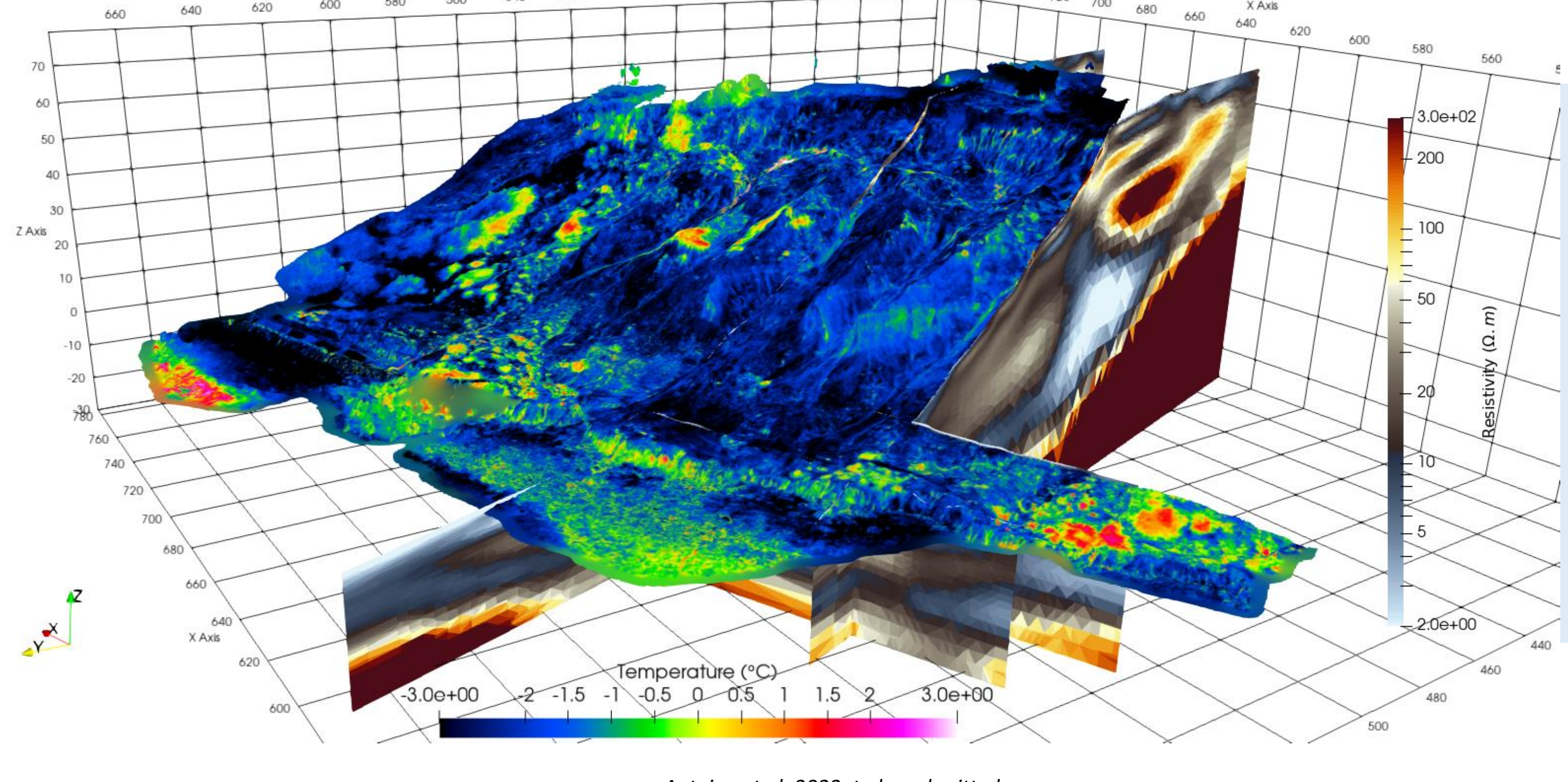
In situ measurements



Some current results



New combined results in 3D: IRT and ERT



Perspectives

Full 3D inversion of ERT
Correlation with seismic, EMI and TDEM data
Hydrodynamic modelisation of cracked cliffs
Study of potential salt wedge, accelerating erosion