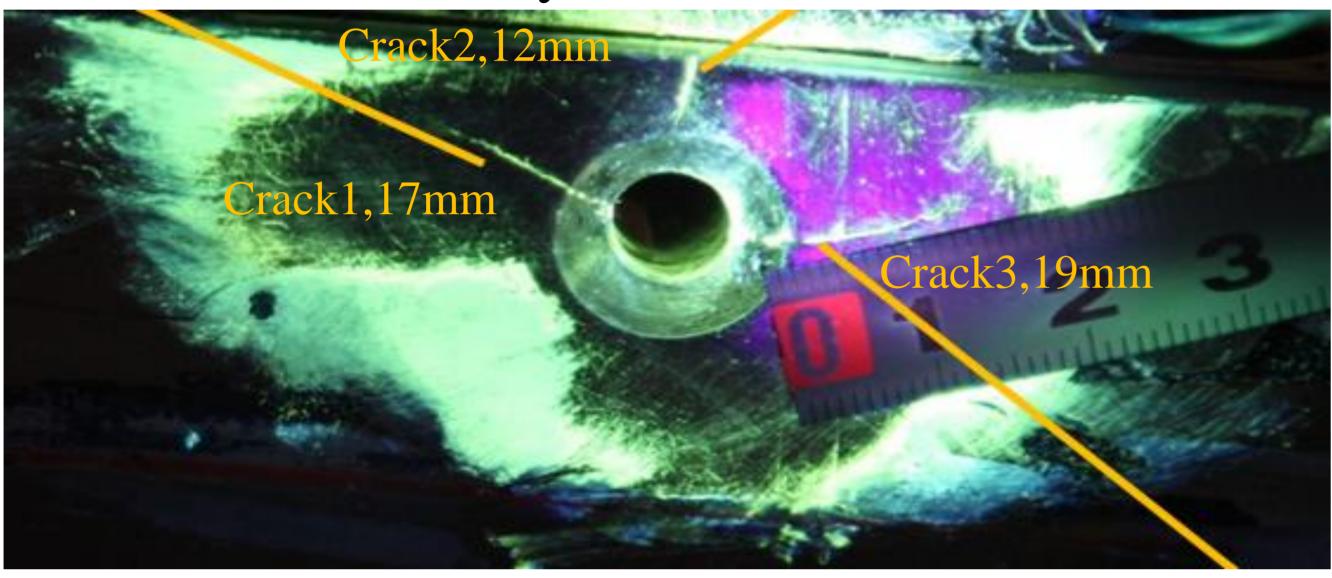
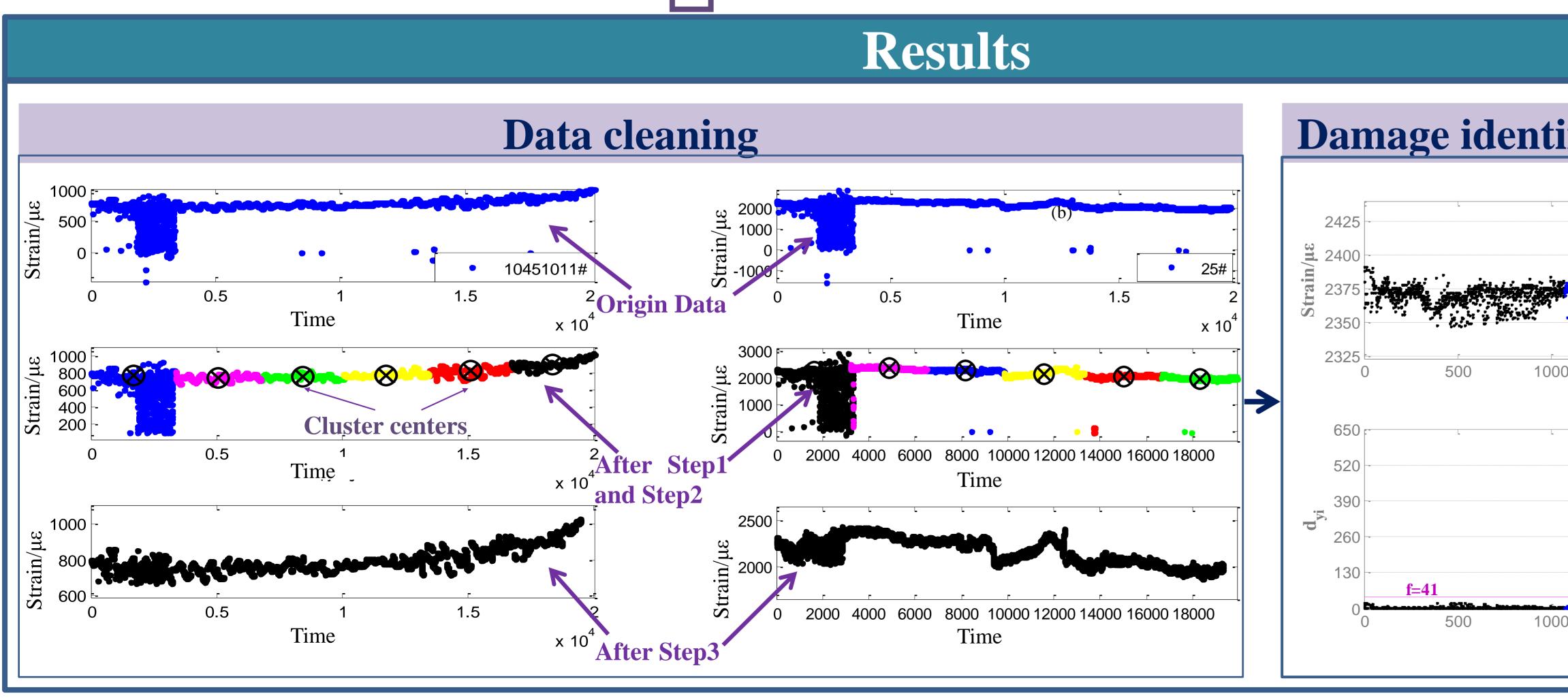


## Problems

The size of structural fatigue cracks found by regular non-destructive inspection (NDI) for full scale fatigue test(FSFT) always was too large. Efficiency of direct damage monitoring is poor for complex structures. Strain monitoring is widely used for damage identification, but traditional methods lack sensitivity for short cracks.

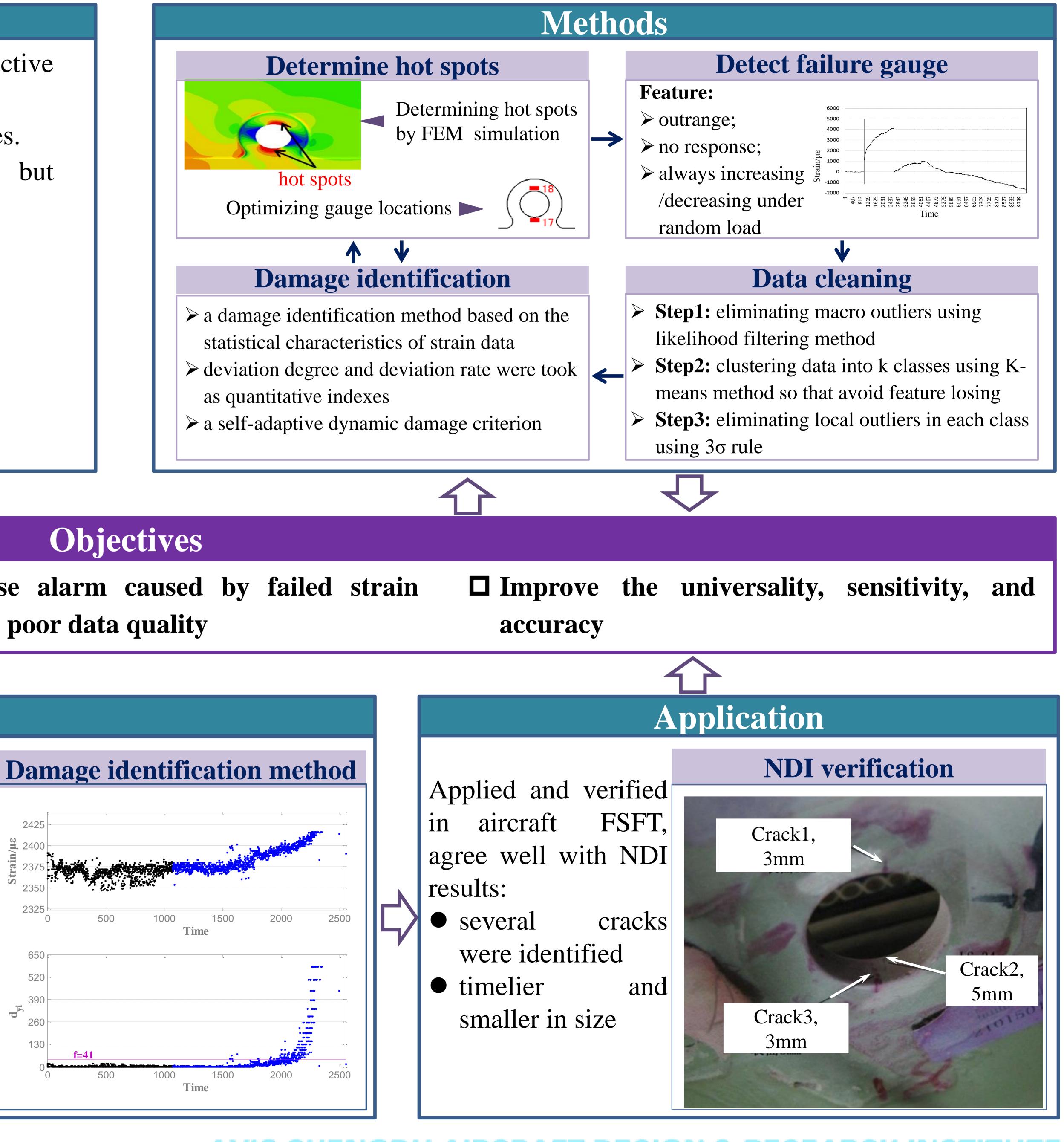






## **Research on Structural Damage Identification Method for Aircraft Full Scale Fatigue Test**

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Objectives

**D** Avoid false alarm caused by failed strain gauge and poor data quality

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