









## Proposed methodology for Change detection of manmade objects

Supervised classification paradigm

- Data for the same region in different time periods (orthoimages, DSMs)
- Evaluation of a number of predefined cues for the region
- Use of some manually collected positive and negative samples to train a classifier Support Vector Machines algorithm:
  - > convergence to a global maximum
  - requirement of a small number of training samples
  - availability of good open source implementations
- The classifier asserts change in the remaining data
- Tests of the proposed strategy with simulated data (validity and performance aspects of the strategy)

XXIV FIG International Congress, Sydney, Australia, 11-16 April 2010





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