

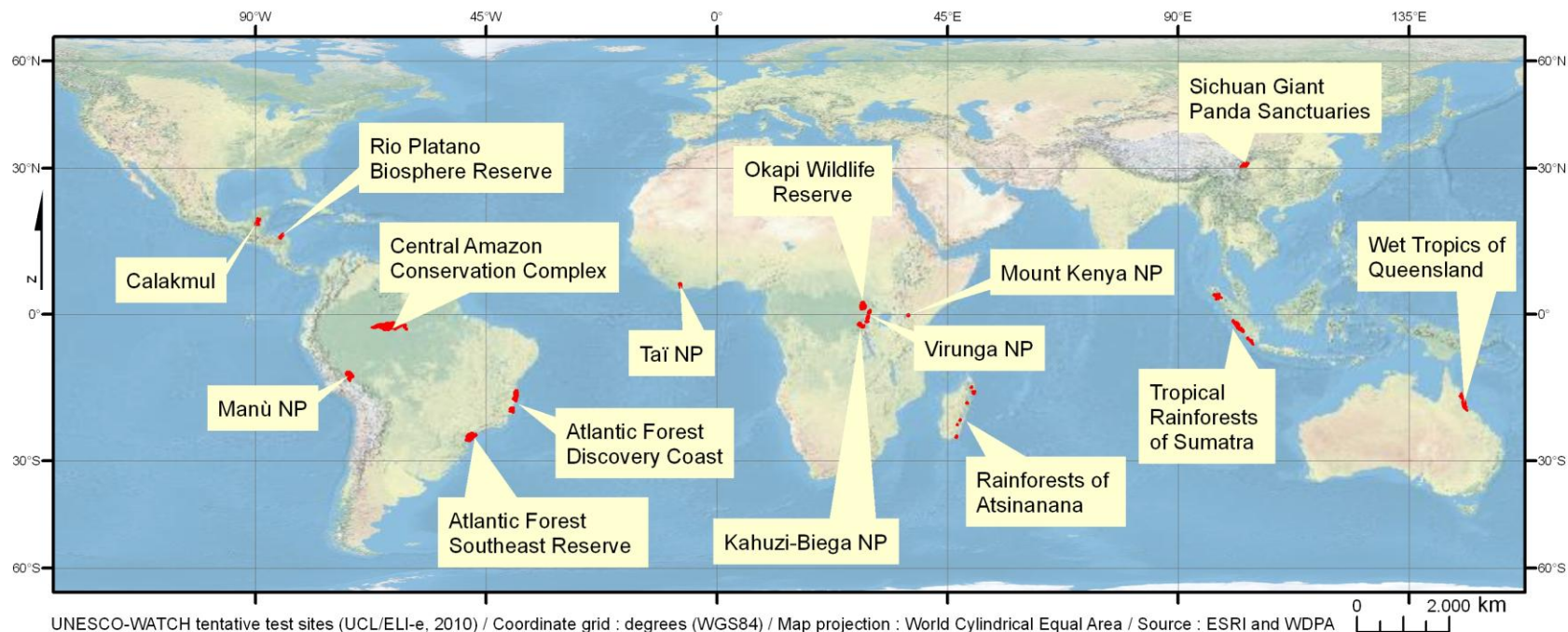


Taking the pulse of UNESCO World Heritage Sites including tropical forest

Julien Radoux, Mario Hernandez and Pierre Defourny
Ostende, May the 25th 2011



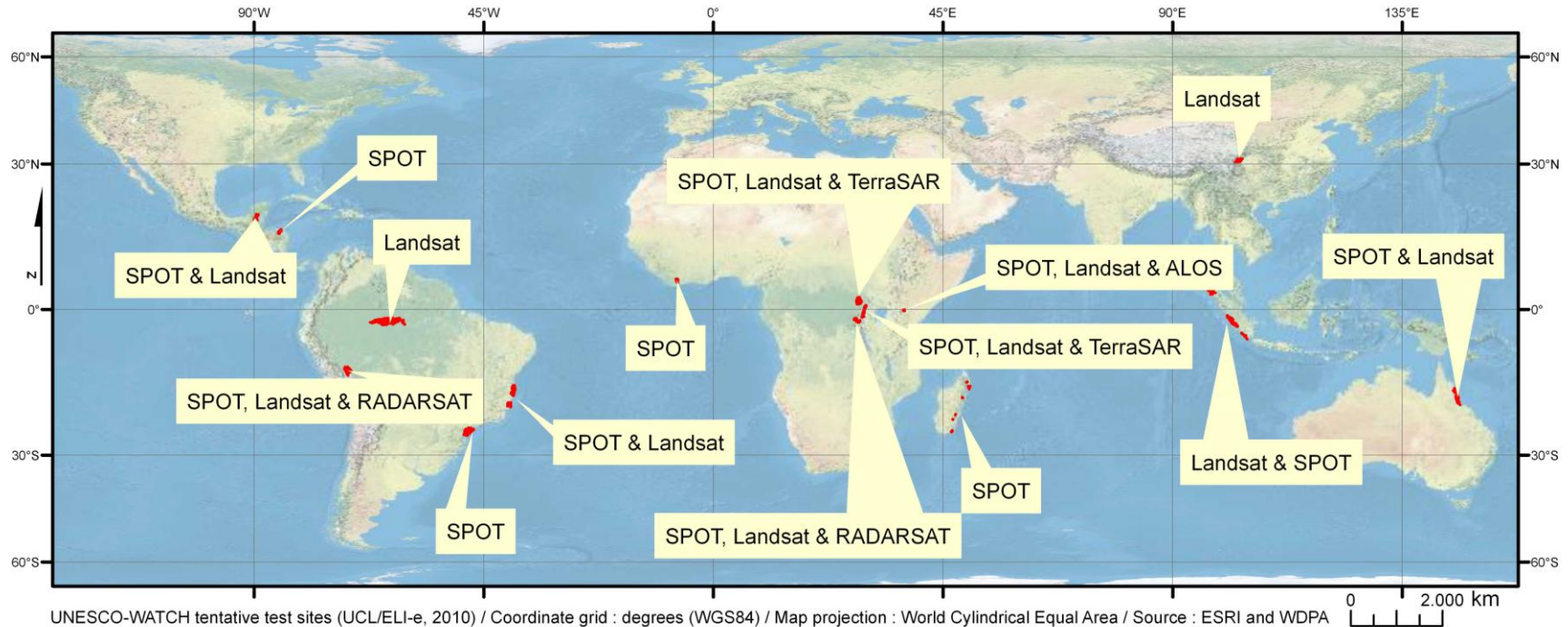
Towards an operational monitoring of tropical forests



Looking at 15 test sites at three dates



Different handling of cloud issues



- Optical and SAR data fusion
- High resolution compositing

Semi-automated change detection

- Object-based image analysis
- Unsupervised iterative trimming
 - *Gaussian assumption*
 - *Non parametric*
- Post-detection classification

Scientific question :

- Does the status of WH sites affects the forest cover :
 - *Inside its boundaries ?*
 - *On its surroundings ?*

