# Optimized multicore implementation and benchmarks for on-board image compression algorithm - on dedicated space HW

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- *Budget:* 250kEUR

- *Duration:* 2.5 years

- *Prime:* ENEA Services Romania SRL

- *Main Objectives:*

  1. Implement for multicore and optimize the CCSDS-123.0 Standard on Lossless Multispectral and Hyperspectral Image Compression

  2. Benchmark the implementation on space hardware (GR740 and P4080)