Fire_cci project: Operational and R+D

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Collocation meeting – 29/9 to 1/10, 2015

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- Keep in mind: None of the input sensors was developed for burned area mapping (MERIS, MODIS, AVHRR, S-3).

- Operational:
  - User Requirement Document (47 respondents + literature reviews)
  - Validation methods (sampling design).

- Research:
  - First global MERIS BA product. Algorithm needs further testing.
  - Validation metrics and error sources.

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- Achieve GCOS requirements in terms of accuracy and stability.

- Further develop and stabilize MERIS-MODIS 250m algorithms.

- Integrate information from coarse and medium-resolution sensors:
  - MERIS – MODIS
  - Proba V
  - S-2, S-1, Landsat-8.

Small fires characterization

- Generation of a small fire database over Africa using Sentinel-2 MSI data (L-8 alternative):
  - Complementing with Proba-V 300/100 m resolution.

- High relevance of small fires (<50 ha): 88% of all fires and 27% of all BA.

- Omitted in all global BA products:
  - New release of GFED4s (not yet validated).

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