

Integrating the Sentinels for novel fuel, fire and fire emission products

Matthias Forkel¹, Niels Andela², Vincent Huijnen³, Jos de Laat³, Alfred Awotwi², Martin de Graaf³, Daniel Kinalczyk¹, Johanna Kranz¹, Christopher Marrs¹, Luisa Schmidt¹, and Christine Wessollek¹

(1) Technische Universität Dresden, (2) Cardiff University, (3) Royal Netherlands Meteorological Institute (KNMI)

matthias.forkel@tu-dresden.de

Emissions from vegetation fires can turn land ecosystems into carbon sources but estimates are uncertain. We aim to better characterize and quantify fuel conditions, fire behaviour and fire emissions. The Sentinels provide several observations to improve the **quantification of fire emissions**:

