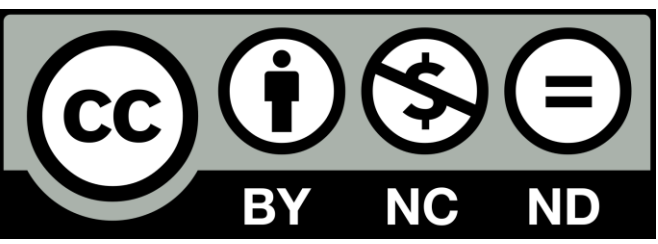


# Exploring the scattering and reabsorption of chlorophyll fluorescence: implications for remote sensing of photosynthesis



M.P. Cendrero-Mateo<sup>1,2</sup>, Christiaan van der Tol<sup>3</sup>, Karolina Sakowska<sup>4,5</sup>, Marco Celesti<sup>6</sup>, Anke Schickling<sup>1,7</sup>, Giorgio Alberti<sup>8</sup>, Luis Alonso<sup>2</sup>, Andreas Burkart<sup>9</sup>, Sergio Cogliati<sup>6</sup>, Roberto Colombo<sup>6</sup>, Gemini Delle Vedove<sup>8</sup>, Tommaso Julitta<sup>9</sup>, Radosław Juszczak<sup>10</sup>, Jose Moreno<sup>2</sup>, Onno Muller<sup>1</sup>, Cinzia Panigada<sup>6</sup>, Alessandro Peressotti<sup>8</sup>, Patrick Rademski<sup>1</sup>, Micol Rossini<sup>6</sup>, Giulia Tagliabue<sup>6</sup>, Nastassia Vilfan<sup>11</sup>, Peiqi Yang<sup>2</sup>, Franco Miglietta<sup>4,12</sup>, and Uwe Rascher<sup>1</sup>

<sup>1</sup>Institute of Bio- and Geosciences, IGB-2: Plant Sciences, Forschungszentrum Jülich GmbH, Germany; <sup>2</sup>Image Processing Laboratory, University of Valencia, Spain; <sup>3</sup>University of Twente, Faculty of Geo-Information Science and Earth Observation (ITC), The Netherlands; <sup>4</sup>Institute of BioEconomy (IBE), National Research Council (CNR), Italy; <sup>5</sup>Institute of Ecology, University of Innsbruck, Austria; <sup>6</sup>Department of Earth and Environmental Natural Sciences, University of Milano-Bicocca, Italy; <sup>7</sup>German Aerospace Center, Germany; <sup>8</sup>Department of Agricultural, Food, Environmental and Animal Sciences, University of Udine, Italy; <sup>9</sup>IB Hyperspectral Devices UG, Germany; <sup>10</sup>Laboratory of Bioclimatology, Department of Ecology and Environmental Protection, Poznań University of Life Sciences, Poland; <sup>11</sup>Wageningen University & Research, Business Unit Greenhouse Horticulture, The Netherlands; <sup>12</sup>Foxlab Joint CNR-FEM Initiative, Italy

