

Fusion of EO data for crop yield forecast in Benin and Morocco (FudCast)



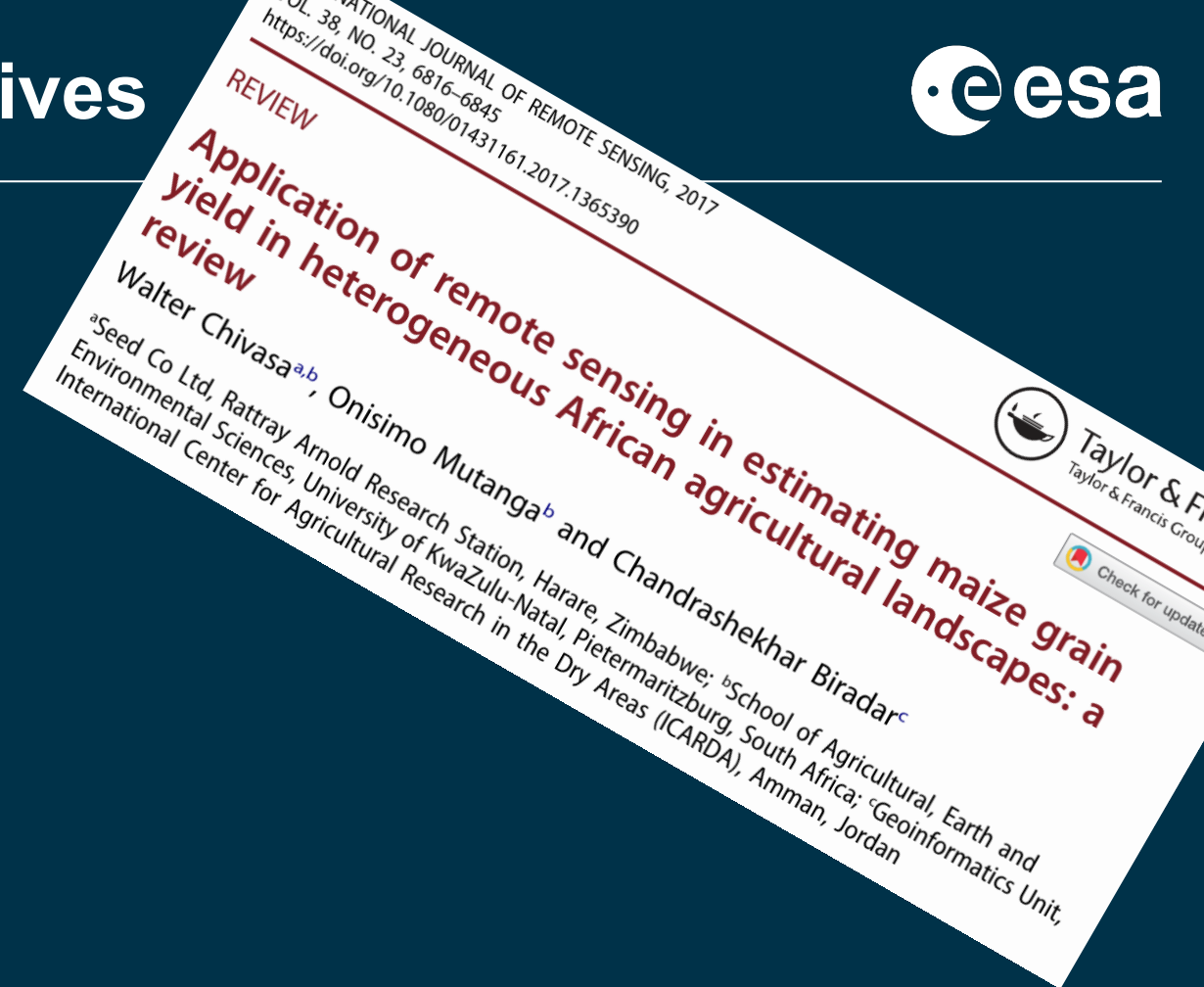
Oumaima Attar, Kouèchivi Symphorien Laga, Christoph Schierghofer, François K. Guedje, Victor Ongoma, Lukas Lehnert

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Scientific Background and Objectives



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Research gaps to be addressed:

1. Only few studies derived yields for fragmented agricultural lands as widespread in African countries.
2. The low availability of crop type maps in important agricultural areas.
3. No system is available which forecasts yields based on a sufficiently high spatio-temporal coverage to account for small field sizes.



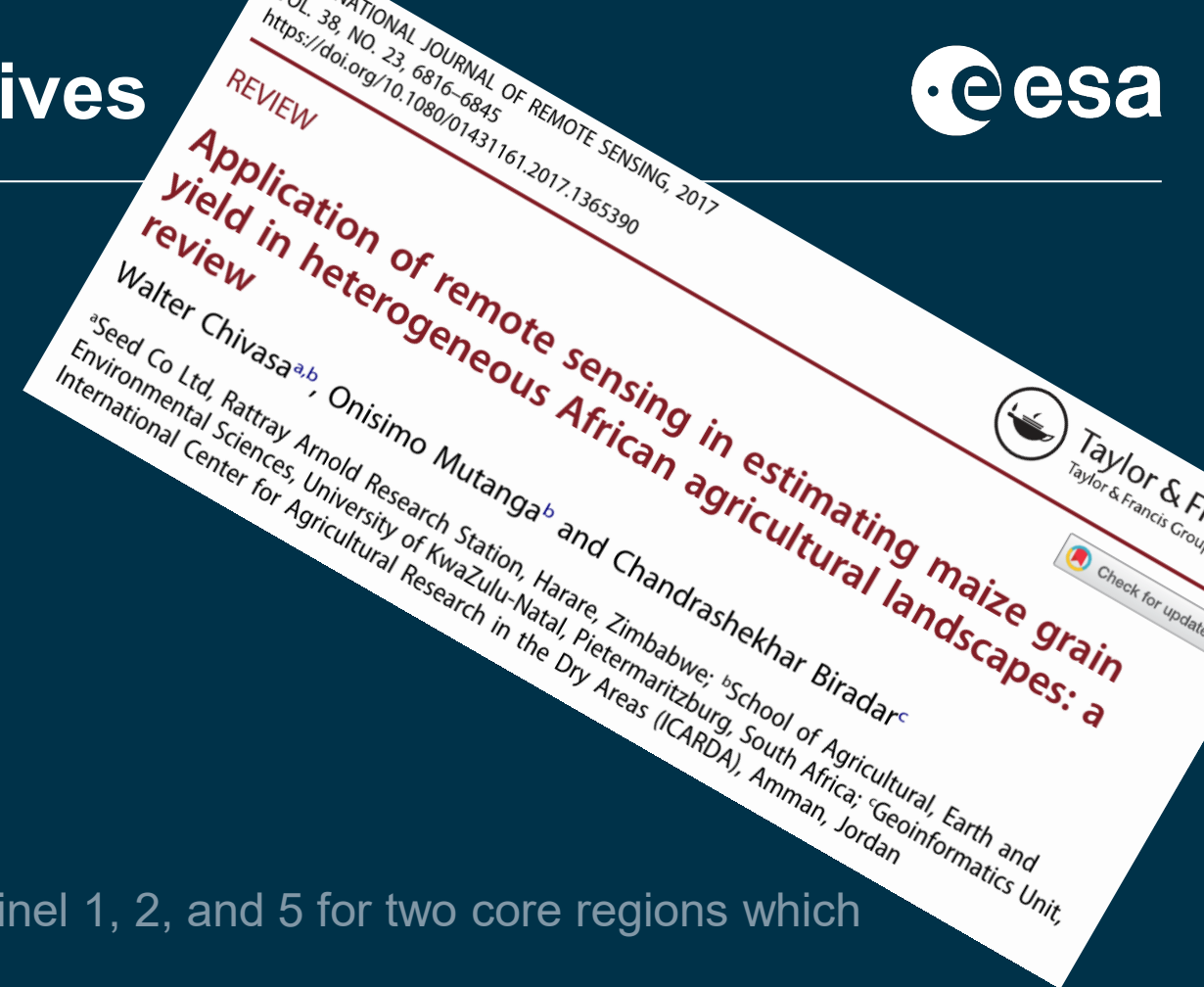
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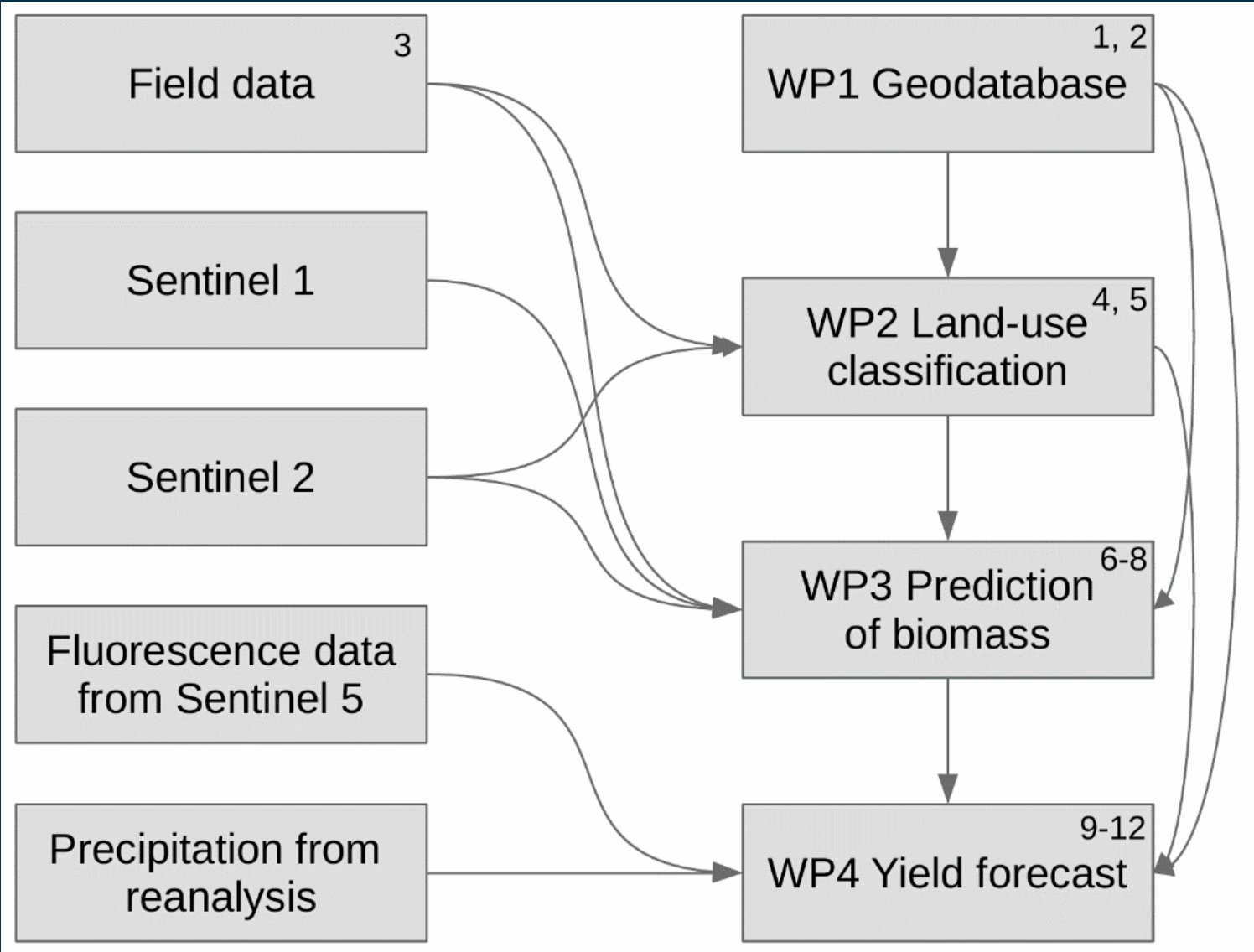
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Objectives of FudCast:

1. Develop a novel set of methods to be applicable to Sentinel 1, 2, and 5 for two core regions which can be easily applied to other areas:
 1. Identify small scale fields
 2. Estimate biomass on these fields
2. Provide finer forecast of crop yield with 6 weeks lead based on various satellite products and ground truth.







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