

Meteorology

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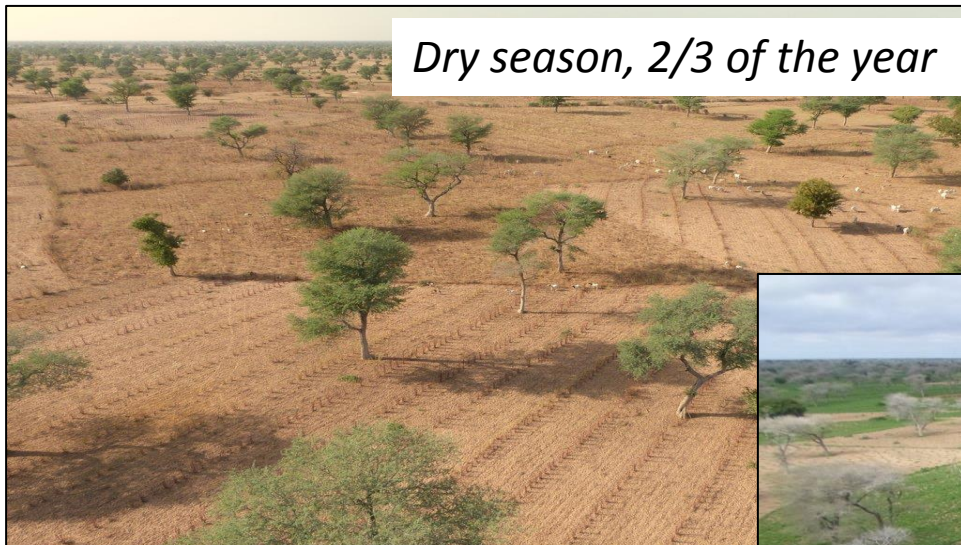
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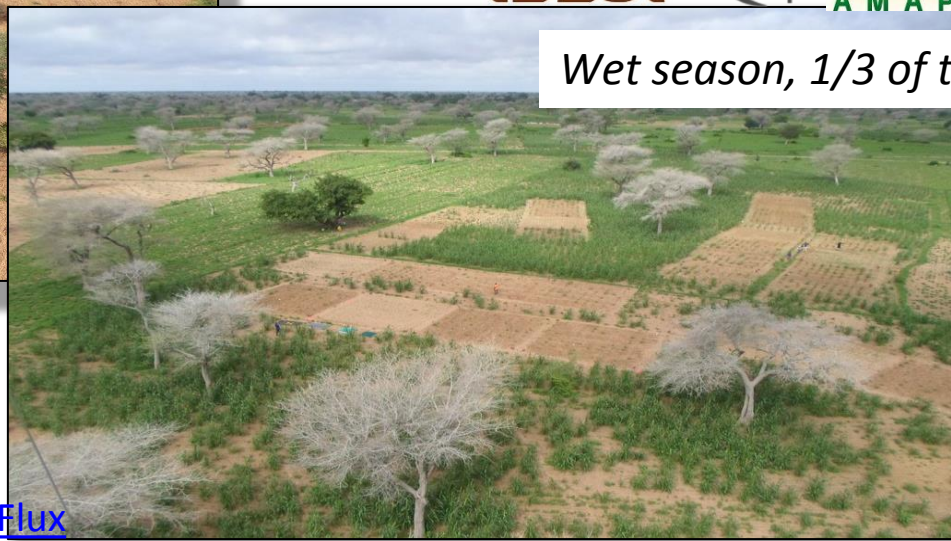
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“*Faidherbia-Flux*”: A long-term Collaborative Observatory on food security, GHG fluxes, ecosystem services, mitigation and adaptation in a semi-arid agro-silvo-pastoral ecosystem (groundnut basin in Niakhar/Sob, Senegal)

Dry season, 2/3 of the year



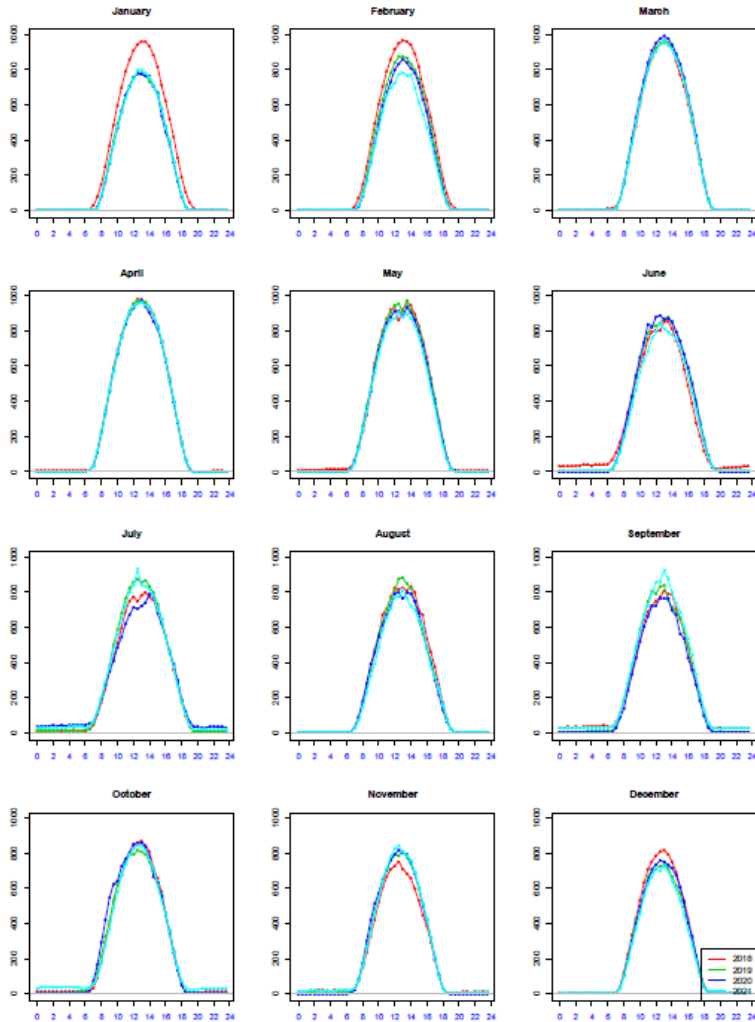
Wet season, 1/3 of the year



“*Faidherbia-Flux*” Web site :
<https://lped.info/wikiObsSN/?Faidherbia-Flux>

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Diurnal course of $R_{g,20m}$ ($W m^{-2}$), above the whole ecosystem



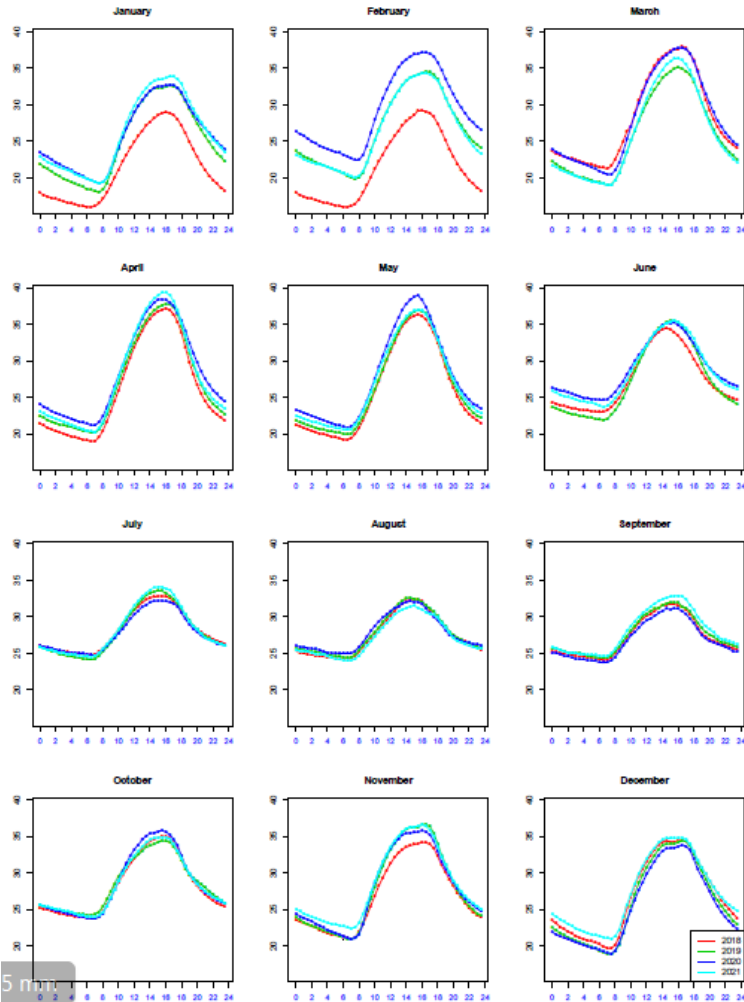
Monthly average of gapfilled $R_{g,20m}$ diel course. The magnitude of $R_{g,20m}$ is lowest during the wet season (July-October) and highest from March to May. The maximum $R_{g,20m}$ is achieved around 1 PM. Little inter-annual variability, indicating cloudiness. Gap-filling of $R_{g,20m}$ according to [ReddyProc](#).



Rainfall

2018: 454 mm
2019: 513 mm
2020: 599 mm
2021: 478 mm

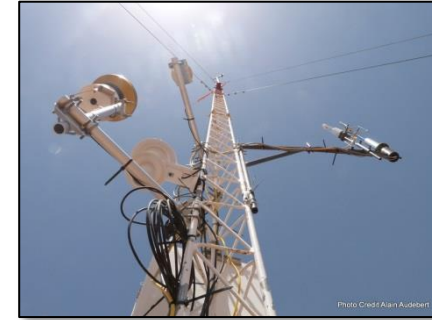
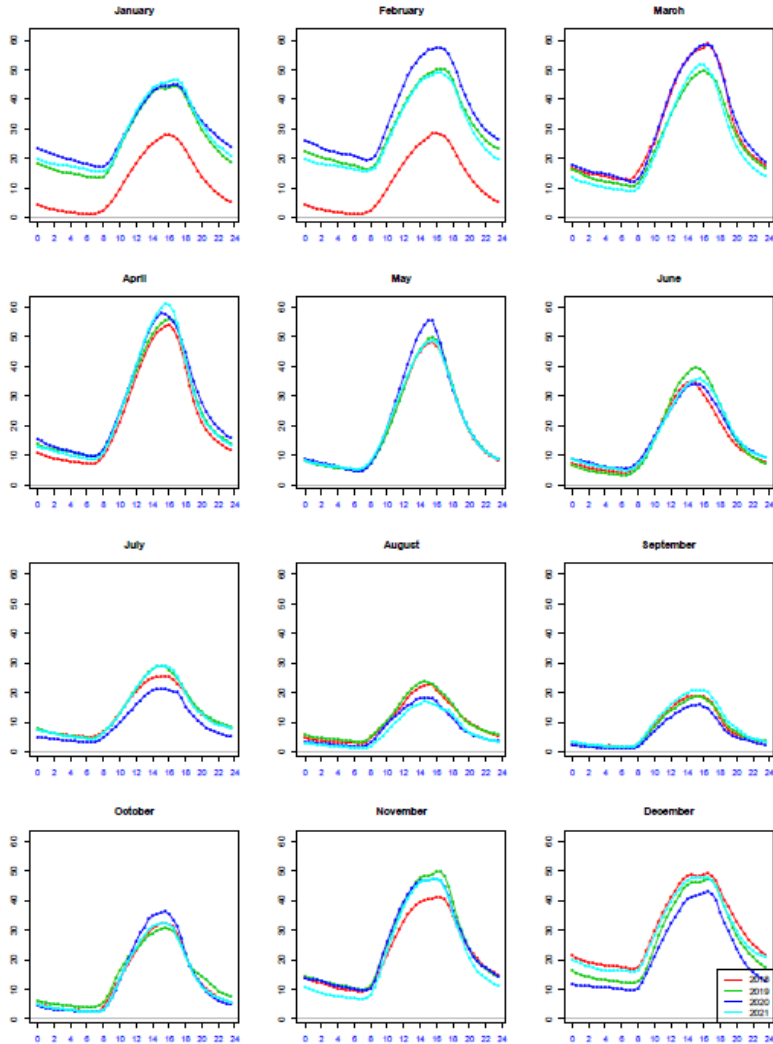
Diurnal course of $T_{\text{air},20\text{m}}$ ($^{\circ}\text{C}$), above the whole ecosystem



Rainfall

2018: 454 mm
2019: 513 mm
2020: 599 mm
2021: 478 mm

Diurnal course of VPD_{20m} (hPa), above the whole ecosystem



Rainfall

2018: 454 mm
2019: 513 mm
2020: 599 mm
2021: 478 mm