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# Supplementary Material

**Tab. S1** - VIs derived from S-2 Imagery.

| VIs | Formula | Reference |
|---|---|---|
| Normalized Difference Vegetation Index (NDVI) | $(B8-B4)/(B8+B4)$ | (Rouse et al. 1973) |
| Transformed Normalized Difference Vegetation Index (TNDVI) | $\sqrt{((B8-B4)/(B8+B4))+0.5}$ | (Tucker 1979) |
| Green Normalized Difference Vegetation Index (GNDVI) | $(B8-B3)/(B8+B3)$ | (Gitelson & Merzlyak 1994) |
| Red Edge Inflection Point (REIP) | $700+40.(\frac{(B4+B7)}{2}-B5)/(b6-B5)$ | (Guyot et al. 1988) |
| Global Environmental Monitoring Index (GEMI) | $\frac{\mu(1-0.25\mu)-(B4-0.125)}{(1-B4)}$ $\mu=\frac{(2.(B8^2-B4^2)+1.5B8+0.5B4)}{(B8+B4+0.5)}$ | (Pinty & Verstraete 1992) |
| Soil-Adjusted Vegetation Index (SAVI) | $\frac{(B8-B4)}{(B8+B4+0.5)}.(1+0.5)$ | (Huete 1988) |
| Transformed Soil-Adjusted Vegetation Index (TSAVI) | $\frac{\alpha(B8-\alpha B4-b)}{B4+\alpha B8-ab+0.08(1+\alpha^2)}$ | (Baret & Guyot 1991) |
| Modified Soil Adjusted Vegetation Index (MSAVI) | $\frac{(B8-B4)}{(B8-B4+L)}.(1+L)$ $L=1-2\alpha.NDVI\,WDVI$ | (Qi et al. 1994) |
| Perpendicular Vegetation Index (PVI) | $\frac{(\alpha B8-B4+b)}{\sqrt{\alpha^2+1}}$ | (Richardson & Wiegand 1977) |
| Weighted Difference Vegetation Index (WDVI) | $B8-\alpha B4$ | (Clevers 1989) |
| Difference Vegetation Index (DVI) | $B8-B4$ | (Tucker 1979) |