



EarthRestoration

**ER field office, Belipola Research Center.**

We will hope to gain the following primary DATA in the year 2021-22

1. Primary physiognomic and ecological DATA to improve our tree Database : Ie. Leaf colors of the young flush in mature forest tree species (UVA / submontane / intermediate climes)
2. Primary DATA for the accumulation of Photosynthetic Biomass of select tree species that are not already in EarthRestoration tree database utilizing our data protocols  
<https://www.restore.earth/product-database/>
3. Primary DATA sets that improve existing estimates of the content of photosynthetic biomass of canopies that transmit of direct sunlight (or by laser reflections in discontinuous canopies).
4. Primary DATA sets for the accumulation of lignin that facilitate the evaluation of carbon sequestration in tree species that can then be correlated with the activity of Photosynthetic Biomass.
5. Primary DATA from within Belipola arboretum regarding the biodiversity and system maturity observed. Ie. Mycelium / fungi species and soil root associations / Plant associate species and the introduction of known fungi on their performance
6. Setting up some experiments for observing the quality and quantity of the water that flows through Belipola Arboretum before it enters, and after it exits our landscape (your ideas are welcome).
7. Biodiversity observations Flora / Fauna from within Belipola Arboretum in order to develop a seasonal floral / fruiting / harvest / and migratory calendar.

*If you are interested in helping us with these field processes or conducting this research under the guidance of Dr. Ranil Senanayake and EarthRestoration P L , you could bridge this as merit for your higher education.*

**For further info please contact ;**

[www.belipolaarboretum.earth](http://www.belipolaarboretum.earth)  
[www.restore.earth](http://www.restore.earth)

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