

BioSCape Field DataAnabelle Cardoso

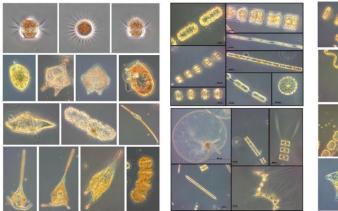




BioSCape Aquatic Data

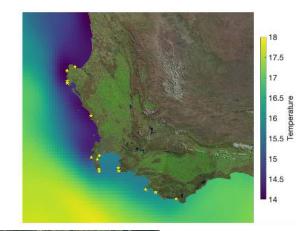
Plankton + CDOM

(Walker bay, Algoa bay, St Helena Bay, Zeekoevlei, Theewaterskloof, Klein River Lagoon, Rietvlei)

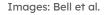


Images: Wu, et al.





** kelpwatch.org



Kelp



Novel field techniques:

watersheds.

Autonomous sound recorders + bird point counts. **Environmental DNA across**



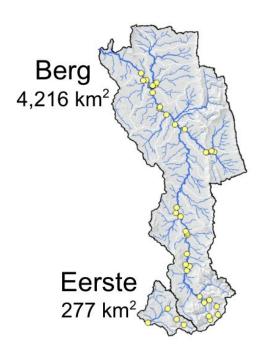
BioSCape eDNA & Audio data

Sound recordings and bird counts



Figures: Clark et al.

Environmental DNA sampling



Figures: Rossi, Meter, Stavros et al.





>600 Vegetation plots:

Dominant species + functional traits across environmental and disturbance gradients.

Incl: Sampling in estuaries and alien invasions.



BioSCape Terrestrial Data

Estuaries (Swartvlei, Knysna, Keurbooms, and Langebaan)

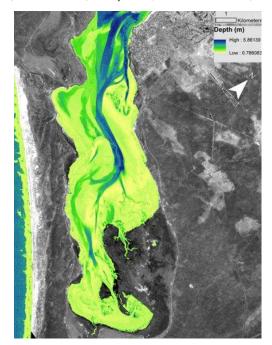


Figure: A. Stovall

Alien trees: Hakea, Pine, Eucalyptus, Acacia (Key sites: Agulhas plains, Hawequas+Theewaterskloof, Swartberg)





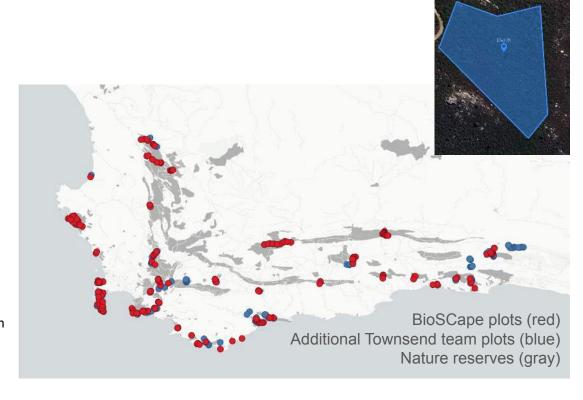
BioSCape Vegetation Plot Data

Environmental clusters using k-means clustering:

- Distance from water
- Drought
- Soil Depth
- Annual Mean Temperature
- Annual Precipitation
- Precipitation Seasonality

Sites limited to:

- occur in the domain
- occur within a protected area
- occur within natural vegetation
- occur within 1 km of a road
- have a mean NDVI over the last year of > 0.2
- have a slope < 30 degrees
- within an estimated hiking time of <2 hours from road





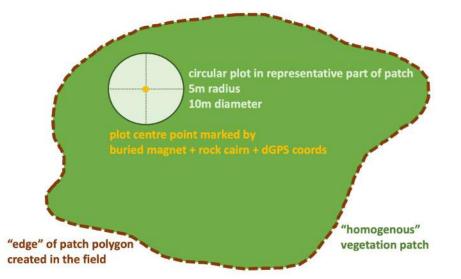
Vegetation Plot Data

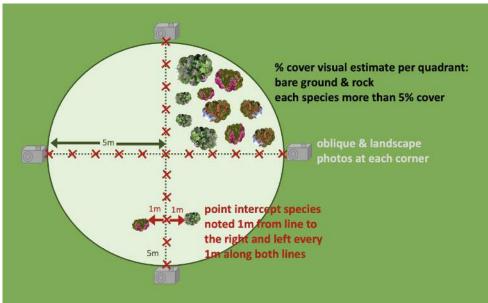
Surveys





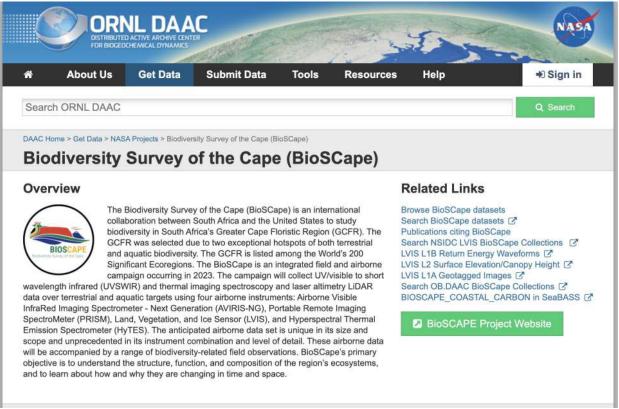
BioSCape Vegetation Plot Data







Where to get the data?



FIELD DATA COMING SOON!

