Environmental forcing of Antarctic food web dynamics - a multi-tiered approach employing multispectral imagery, field spectroscopy, and stable isotope analysis

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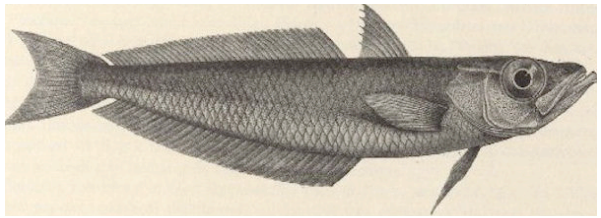
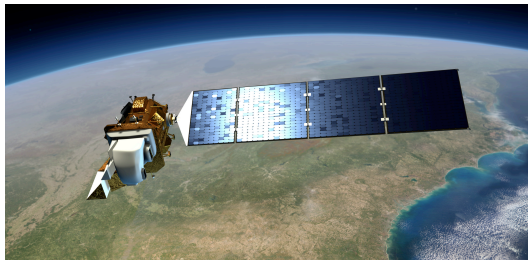
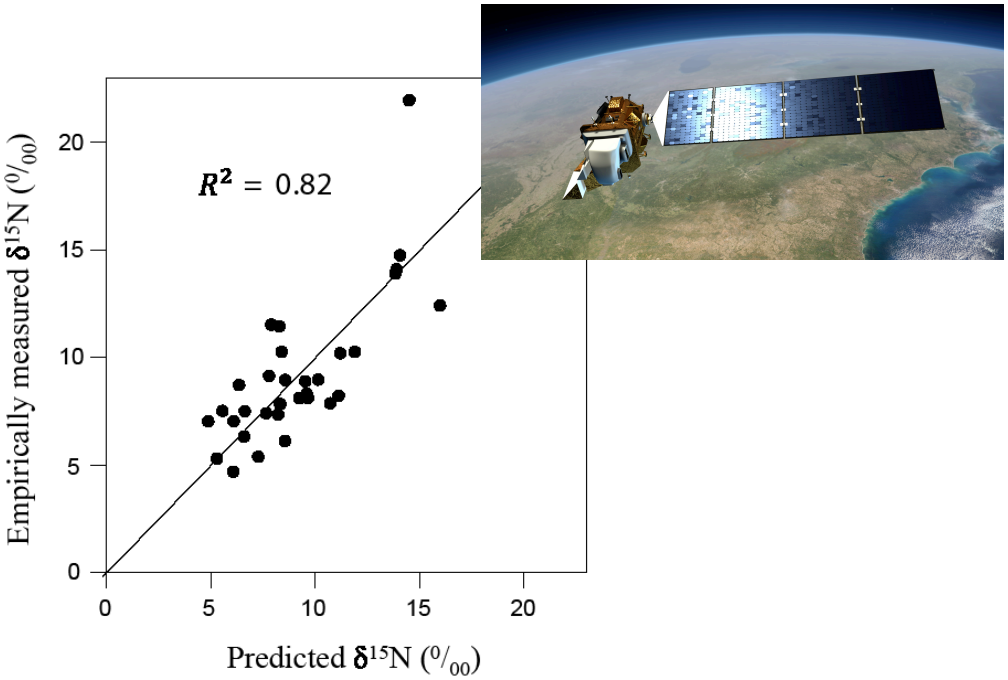
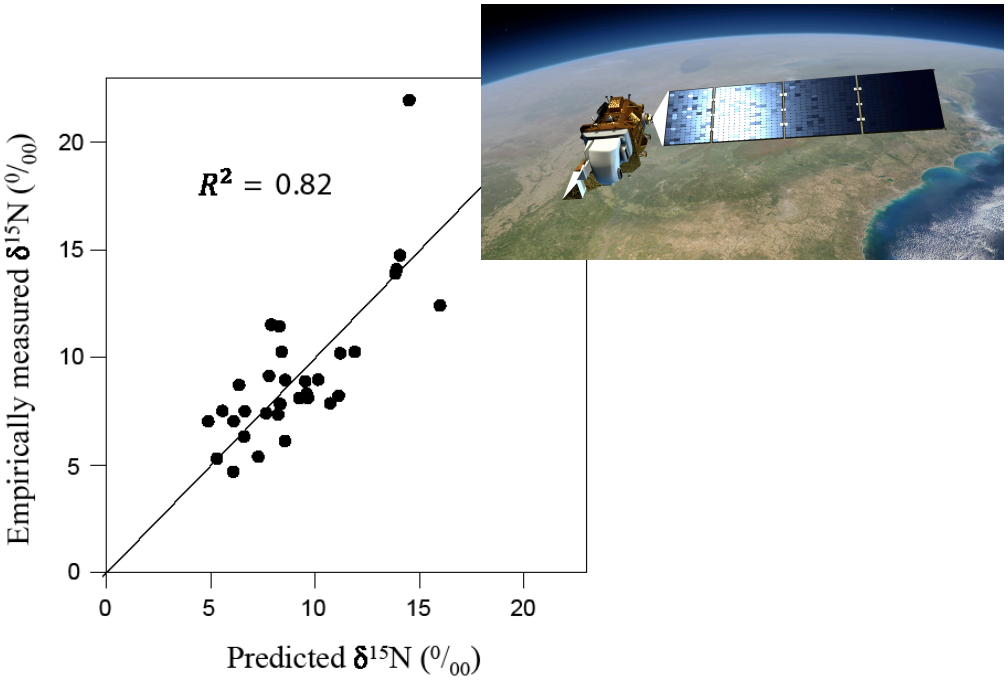





R^2 = 0.82
Empirically measured $\delta^{15}N$ ($^0/_{00}$)
Predicted $\delta^{15}N$ ($^0/_{00}$)
0
5
10
15
20

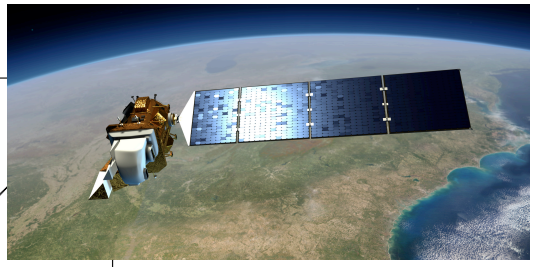


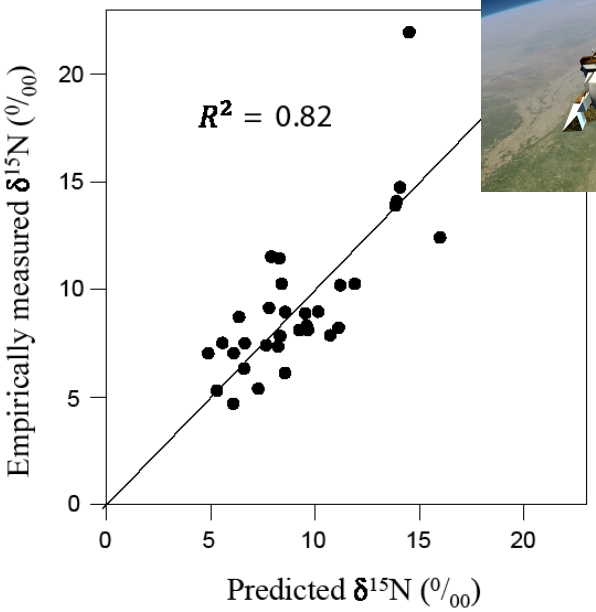
$$y_{ij} \sim N(\mu_{ij}, \sigma^2)$$

$$\mu_{ij} = \alpha_j + \beta_j * YEAR$$

$$\alpha_j \sim N(\mu_\alpha, \sigma_\alpha^2)$$

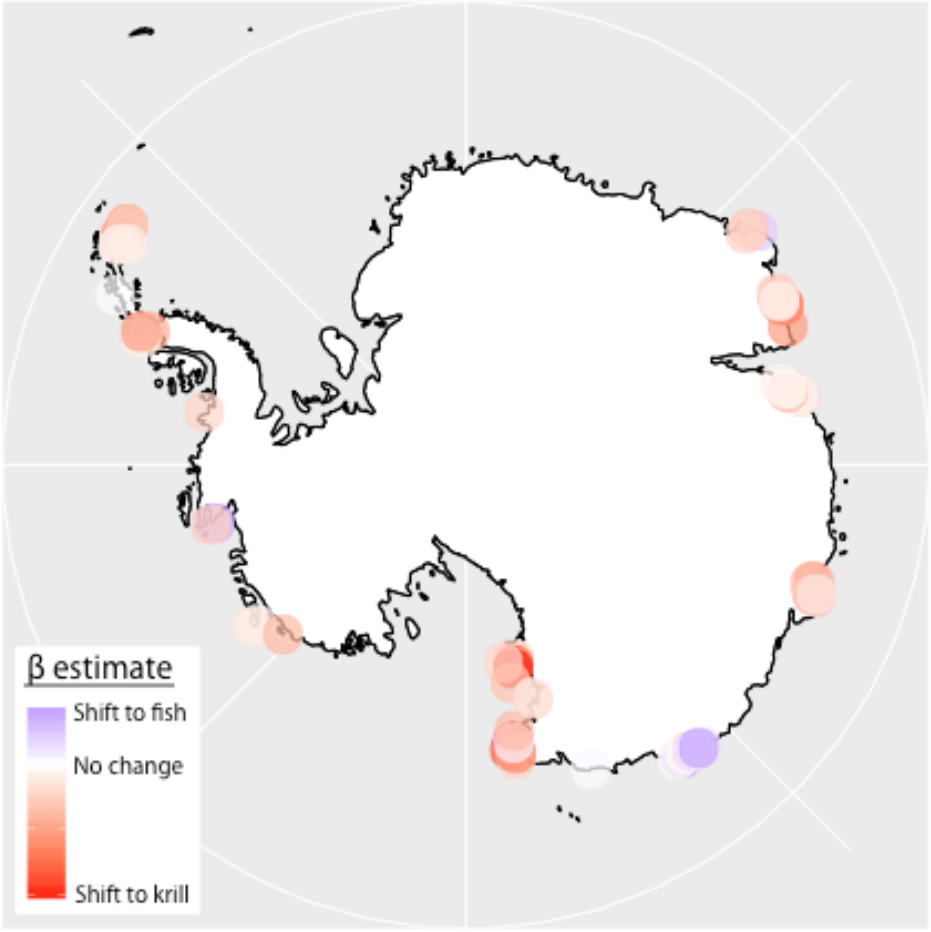
$$\beta_j \sim N(\mu_\beta, \sigma_\beta^2)$$





$$y_{ij} \sim N(\mu_{ij}, \sigma^2)$$

$$\mu_{ij} = \alpha_j + \beta_j * YEAR$$

$$\alpha_j \sim N(\mu_\alpha, \sigma_\alpha^2)$$

$$\beta_j \sim N(\mu_\beta, \sigma_\beta^2)$$