

## Supplemental Analysis

This section provides detailed analytical results and theoretical extensions that complement the main findings presented in Sections ?? and ??.

### S3.1 Theoretical Extensions

#### S3.1.1 Extended Discourse Analysis Frameworks

Building on our mixed-methodology approach, we extend the theoretical framework for analyzing scientific discourse beyond the six Ento-Linguistic domains. Our analysis reveals that terminology networks serve as both descriptive tools and constitutive elements of scientific knowledge production.

#### **Extended Constitutive Framework:**

The constitutive role of language in scientific practice extends beyond individual terms to encompass entire conceptual networks. We formalize this through the concept of **discursive framing networks**:

$$F(D, T) = \sum w_t \cdot f_t(D) \cdot c_t \quad (1)$$