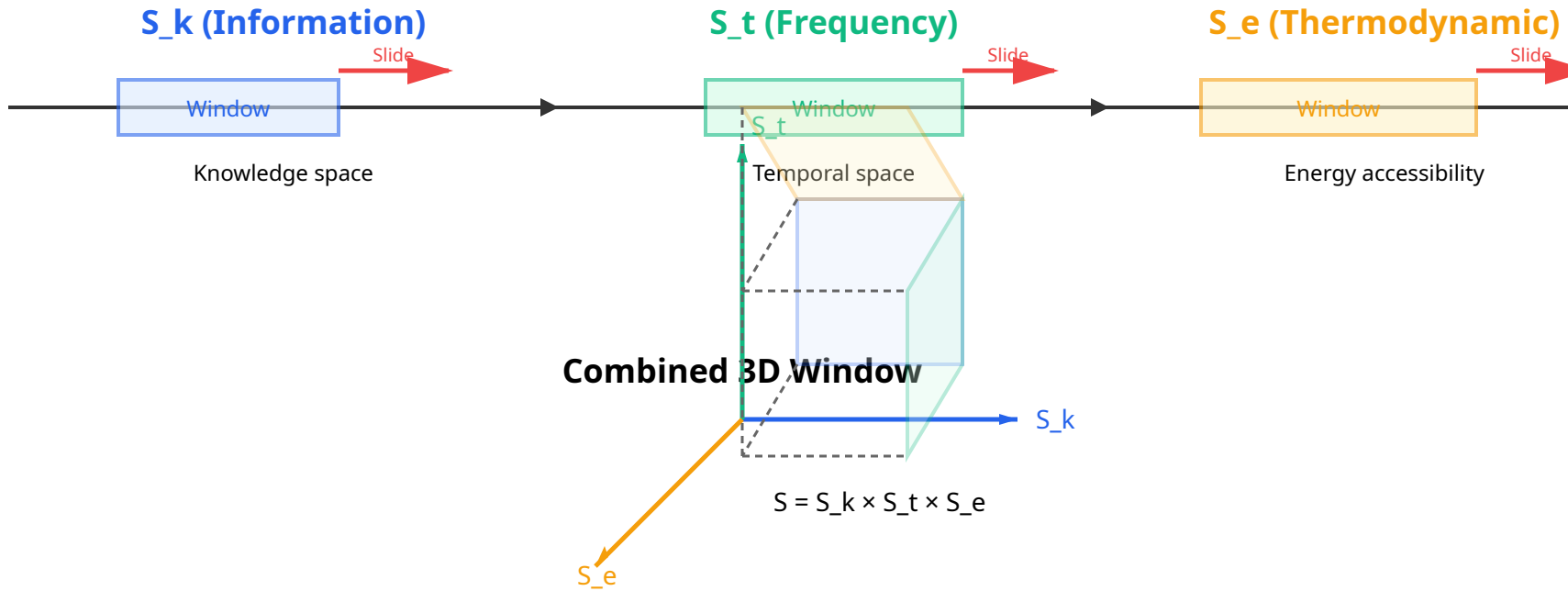


# Tri-Dimensional S-Entropy Navigation



## Automatic Harmonic Selection

- $S_k$ : Information content filter
- $S_t$ : Frequency accessibility window
- $S_e$ : Thermodynamic feasibility constraint

Optimal harmonic:  $\omega^* = \operatorname{argmax}_{\{\omega \in S\}} \operatorname{Utility}(\omega)$

## BMD Filtering

Select sufficient subset from  
 $\sim 10^6$  to  $10^{12}$  configurations  
per observable frequency

Polynomial-time navigation of exponentially large state spaces  
Tri-dimensional windows + BMD filtering = Efficient computation