Ellipsis involves the formation of a link between an antecedent and an unexpressed constituent. Much recent work in language comprehension has examined linguistic dependency formation as a memory access problem, identifying the mechanisms, cues, timing, and vulnerability profiles associated with such dependences as anaphora, agreement, and *wh*-movement. A small-but-growing amount of research investigates the formation of linguistic dependencies in production. Less research has examined ellipsis in these terms. In this presentation I will discuss how to relate what is known from these other domains to the challenges posed by ellipsis, for speakers and for comprehenders.