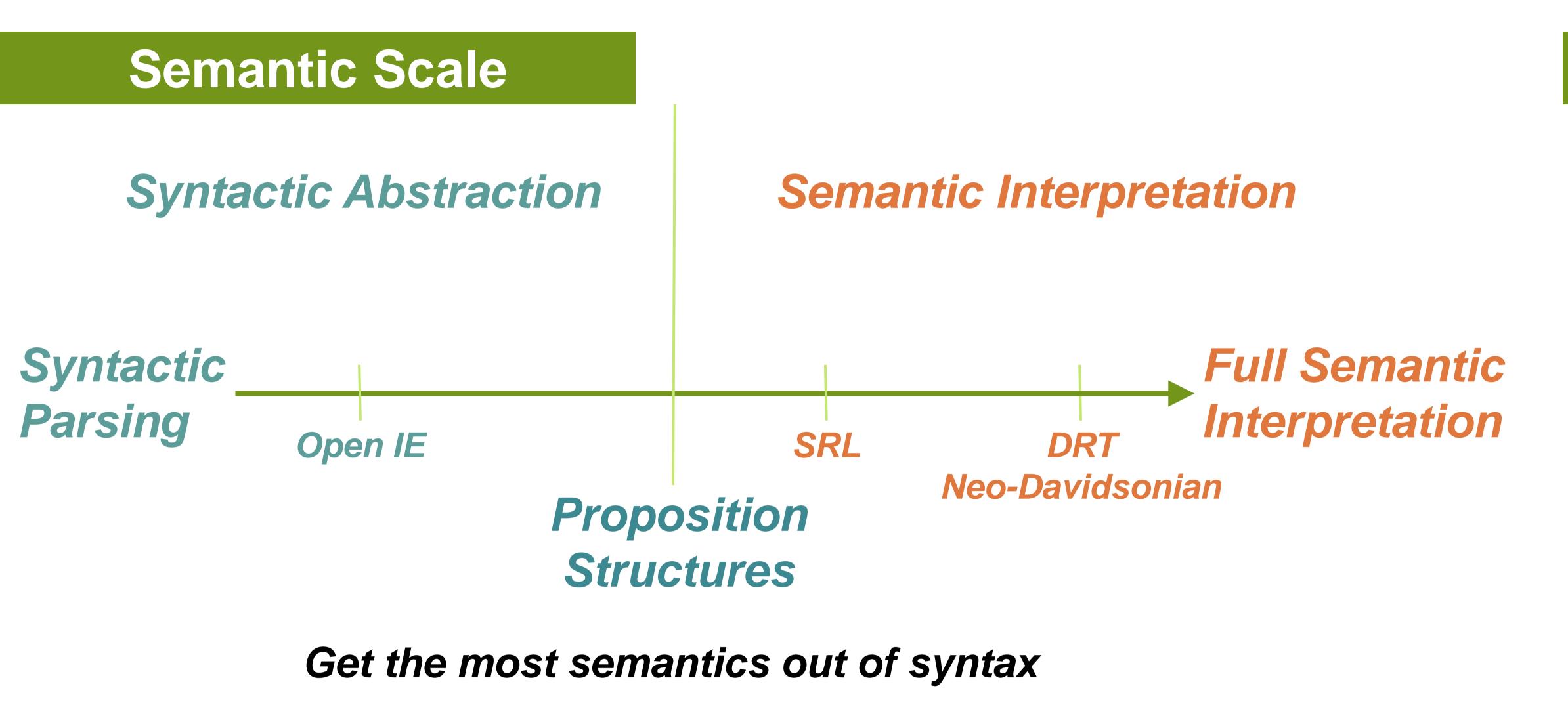
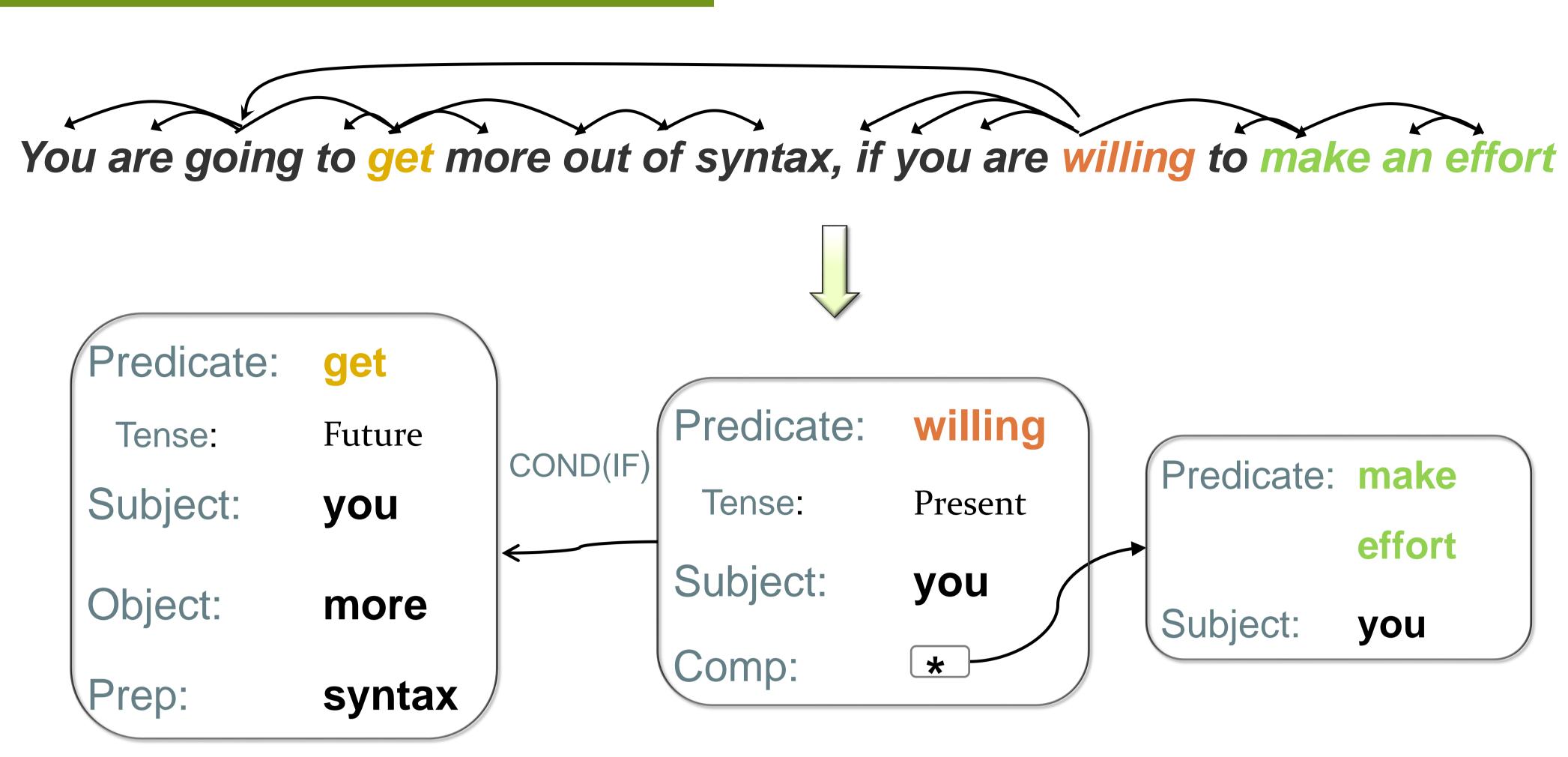


Intermediary Semantic Representation through Proposition Structures

Gabriel Stanovsky, Jessica Ficler, Ido Dagan and Yoav Goldberg



Proposition Structure



Syntactic Abstraction

Implied Propositions

possessives, appositions, nominalizations, adjectives, conditionals

"Stalin's joke sums up Obama's dilemma"

Obama has a dilemma

"The company, Random House, doesn't report its earnings" -

Apposition

Possessives

Random House is a company

Stalin has a joke &

Why Should We Use It?

- Compared to dependency parse:
- Making hidden semantics explicit and canonical
- Removing syntactic clutter
- Better starting point for semantic processing

Soon!

- Automatic conversion of PTB to proposition structures
- Formal guidelines of proposition structures

Down the Road

- Automatic parser for producing proposition structures from raw text
- Representation of discourse level proposition structures