Supporting Insight-based Information Exploration in Intelligence Analysis

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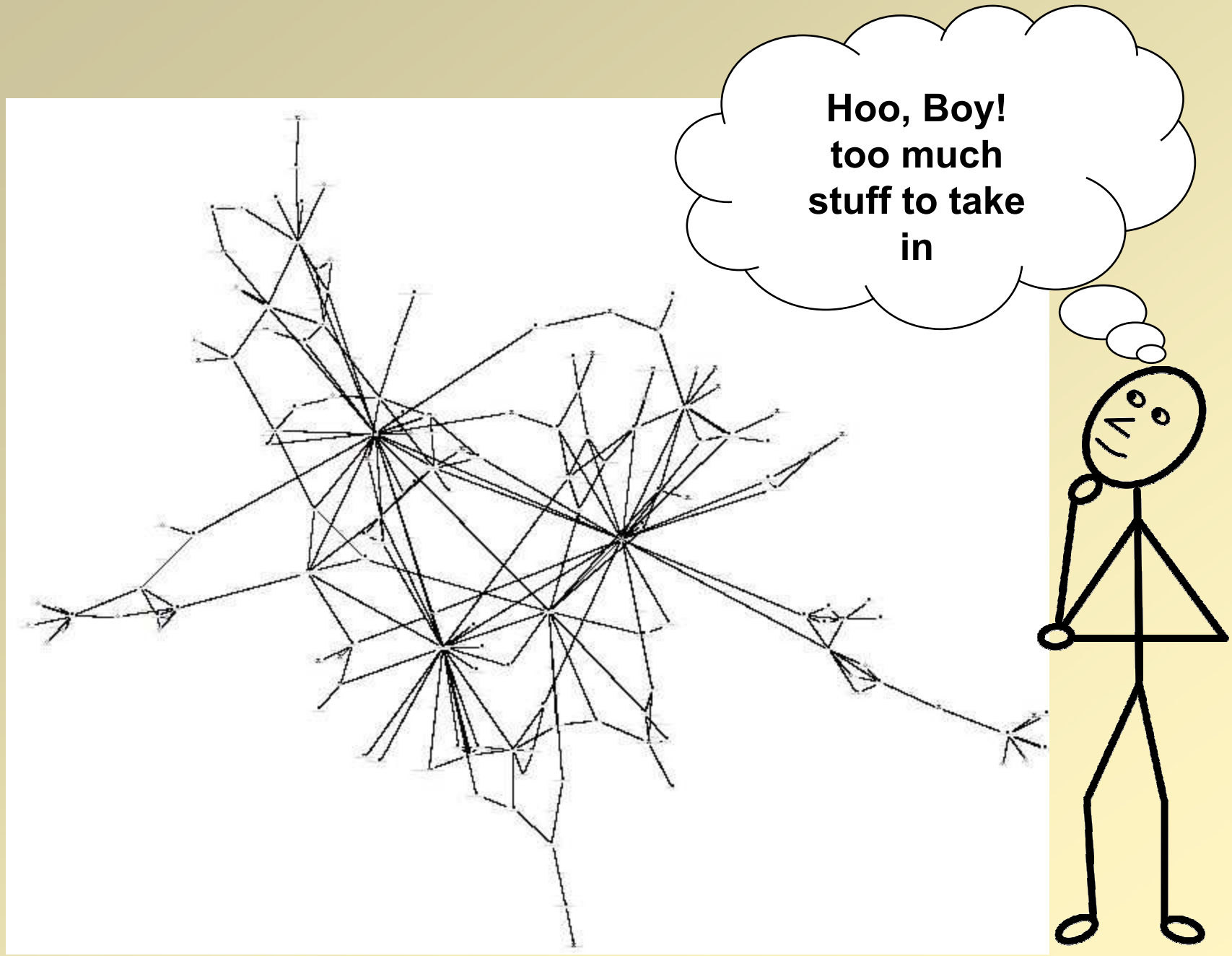
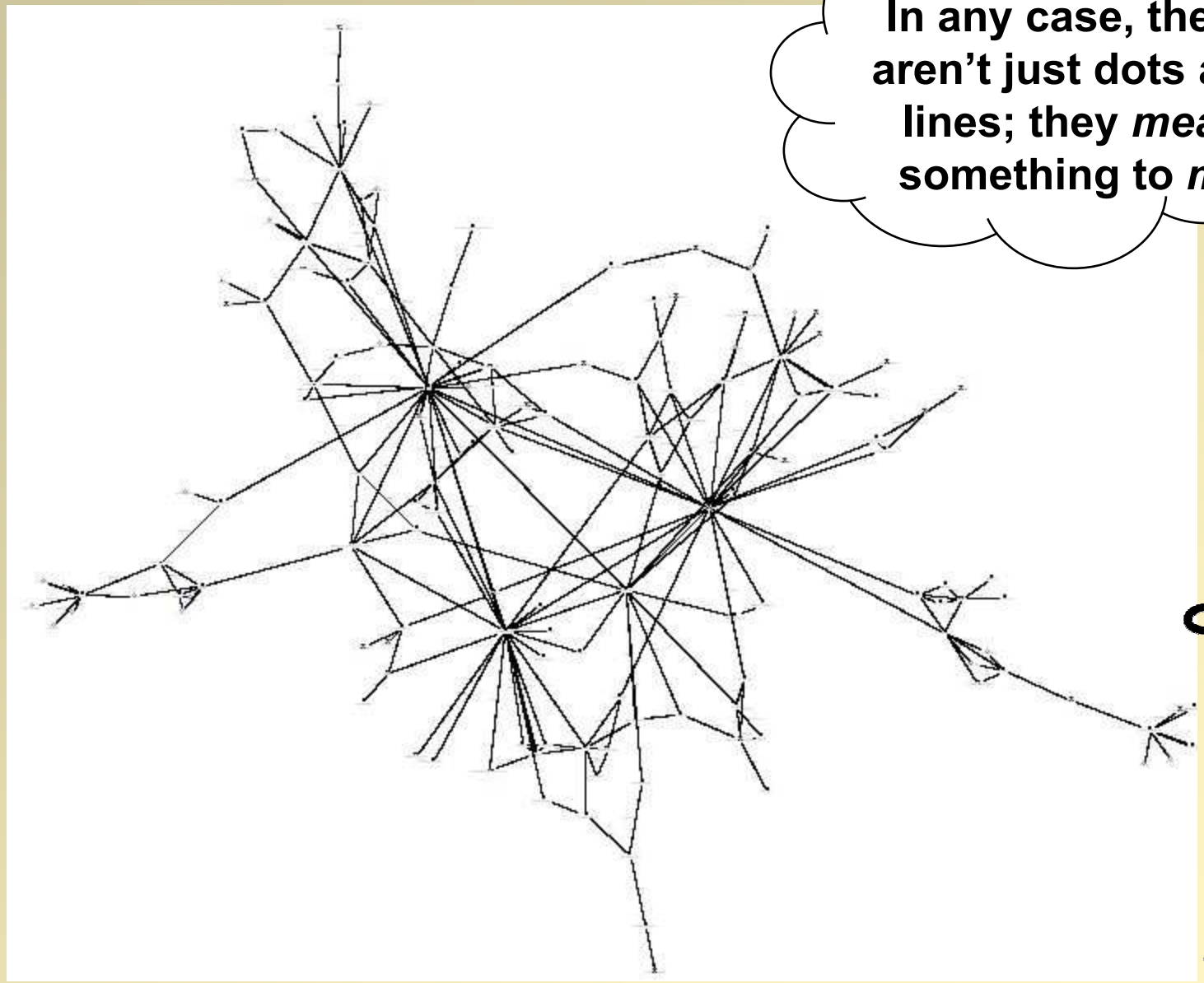
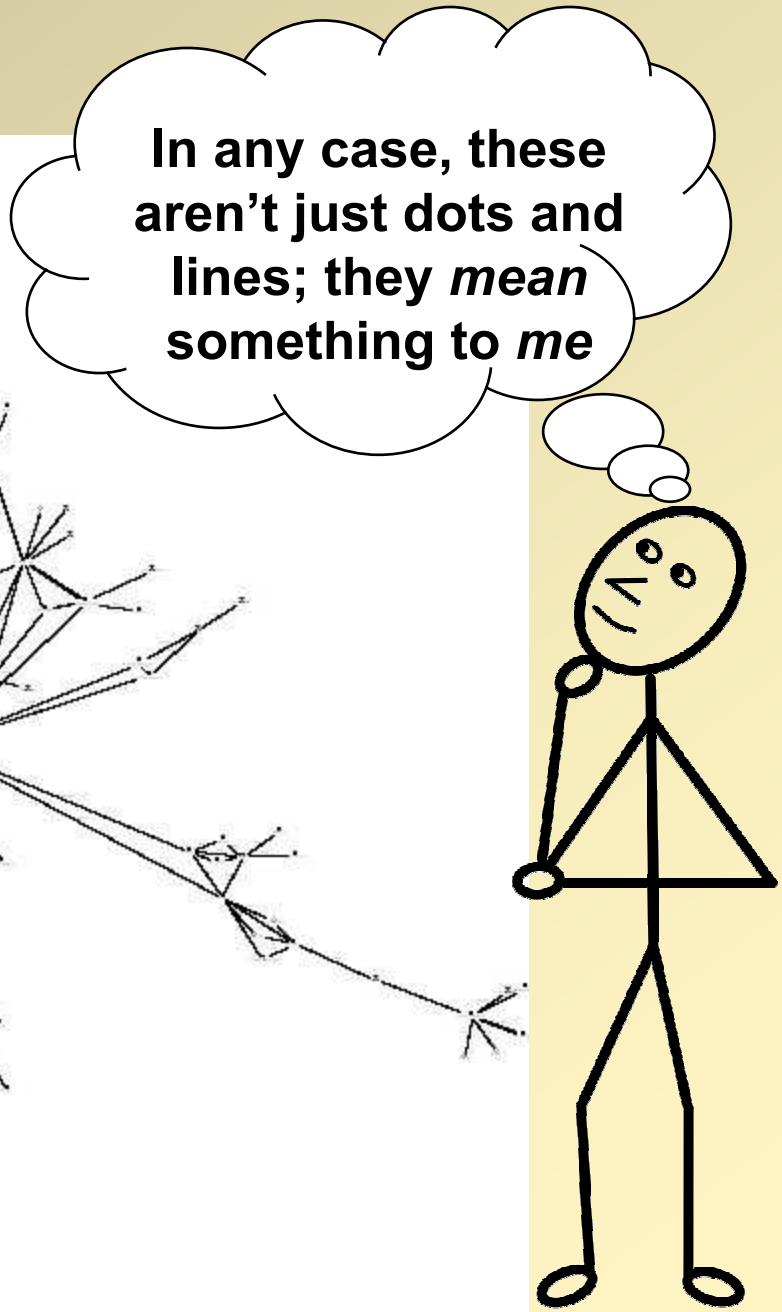
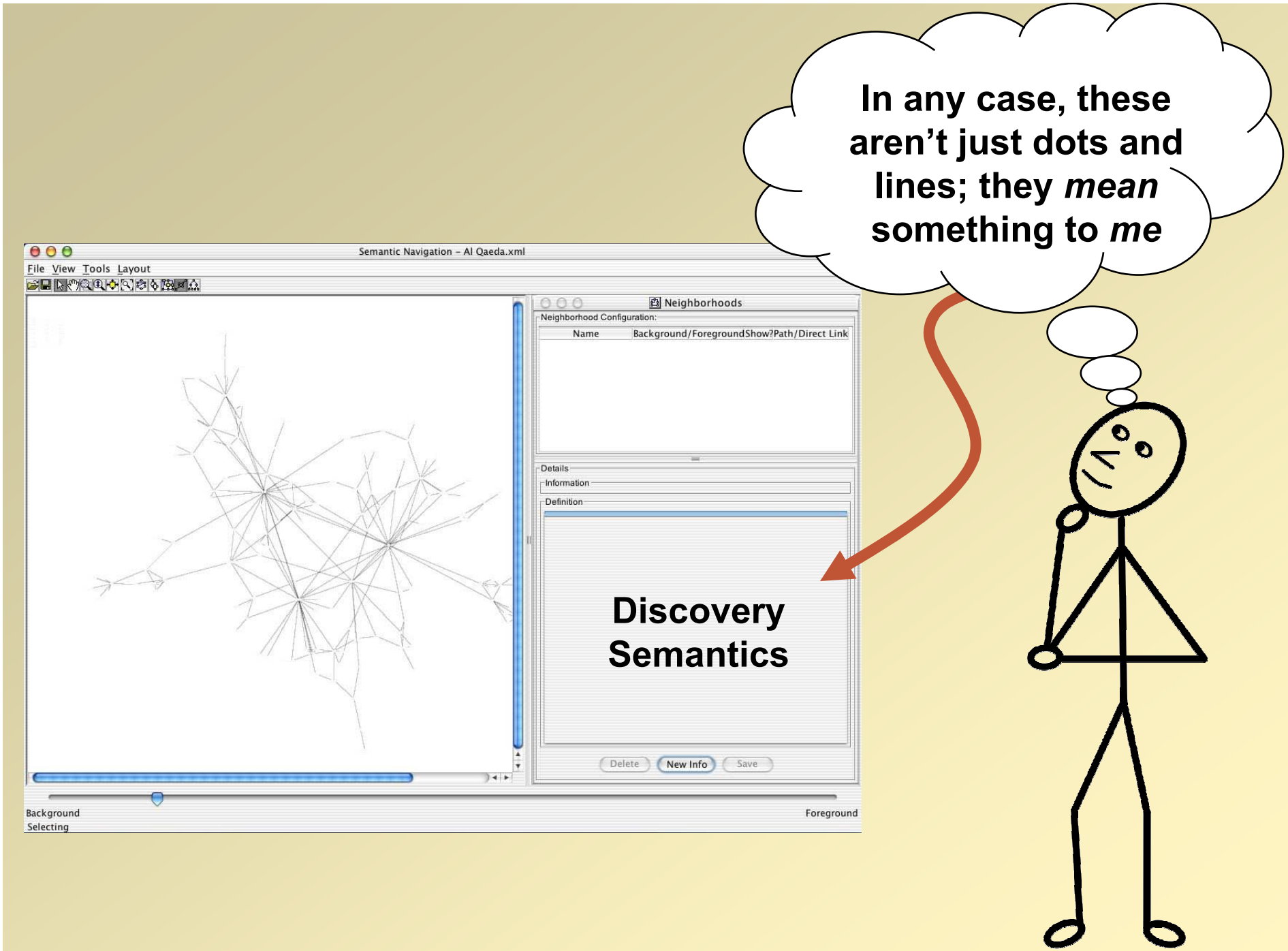
Applied Physics Laboratory

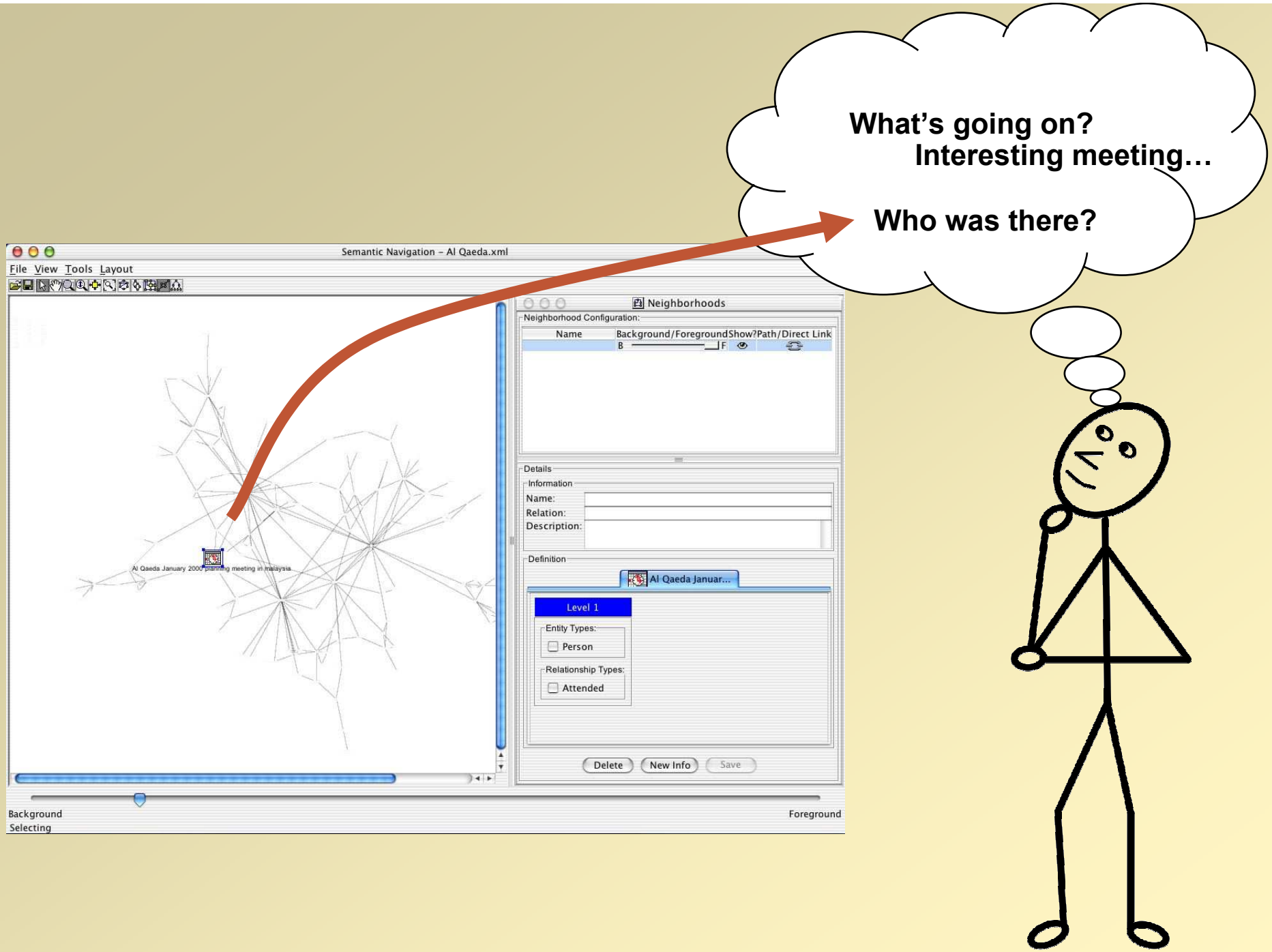
*** University of Maryland**

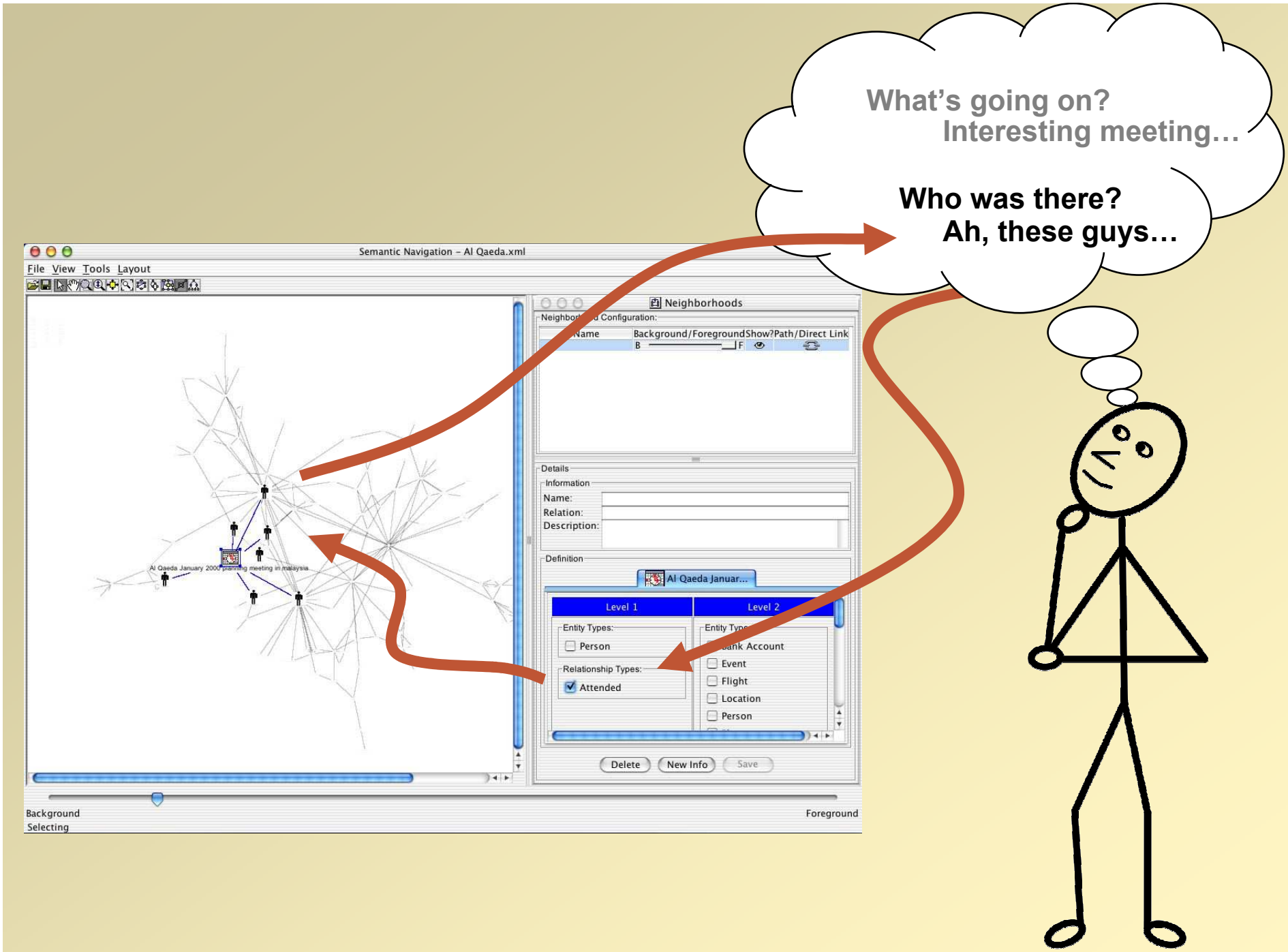

Hoo, Boy!
too much
stuff to take
in

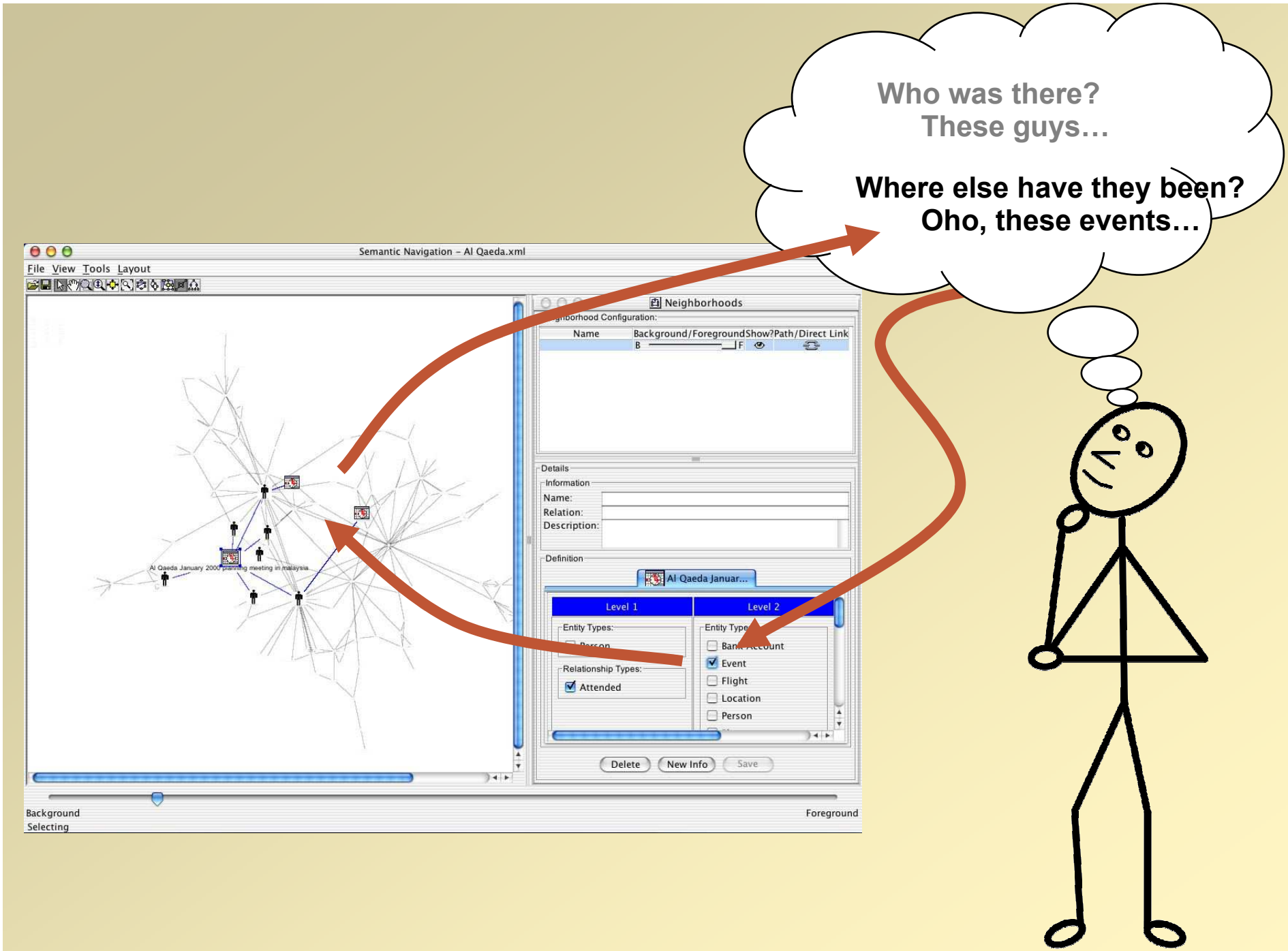


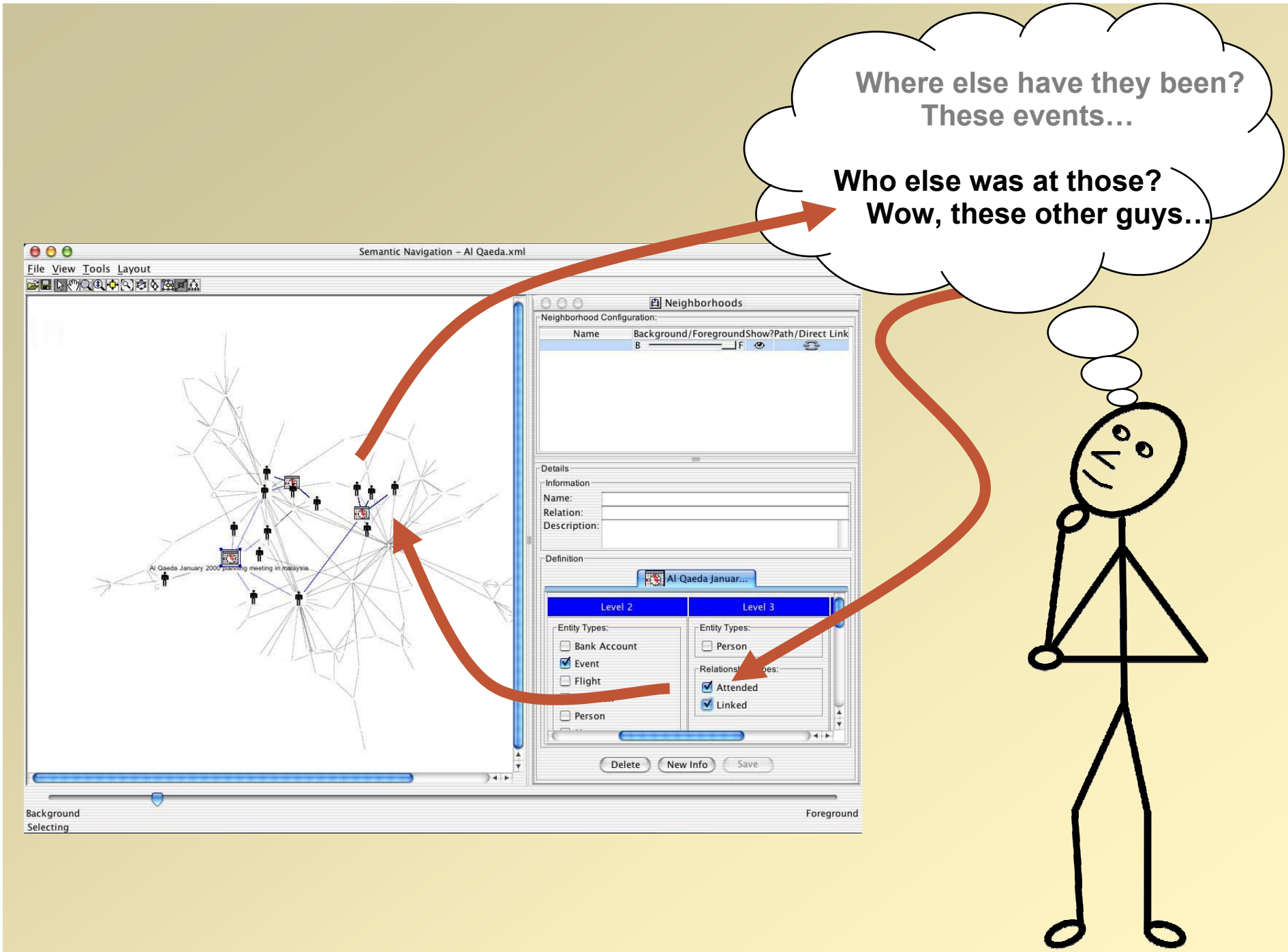

In any case, these aren't just dots and lines; they *mean* something to *me*


In any case, these aren't just dots and lines; they *mean* something to *me*
Semantic Navigation – Al Qaeda.xml
File View Tools Layout
Neighborhoods
Neighborhood Configuration:
Name
Background/Foreground
Show?
Path/Direct Link
Details
Information
Definition
Delete
New Info
Save
Discovery Semantics
Background
Selecting
Foreground


What's going on?
Interesting meeting…
Who was there?
Semantic Navigation – Al Qaeda.xml
File View Tools Layout
Al Qaeda January 2000 planning meeting in malaysia
Neighborhoods
Neighborhood Configuration:
Name
Background/Foreground
Show?
Path/Direct Link
Details
Information
Name:
Relation:
Description:
Definition
Al Qaeda Januar...
Level 1
Entity Types:
Person
Relationship Types:
Attended
Delete
New Info
Save
Background
Selecting
Foreground

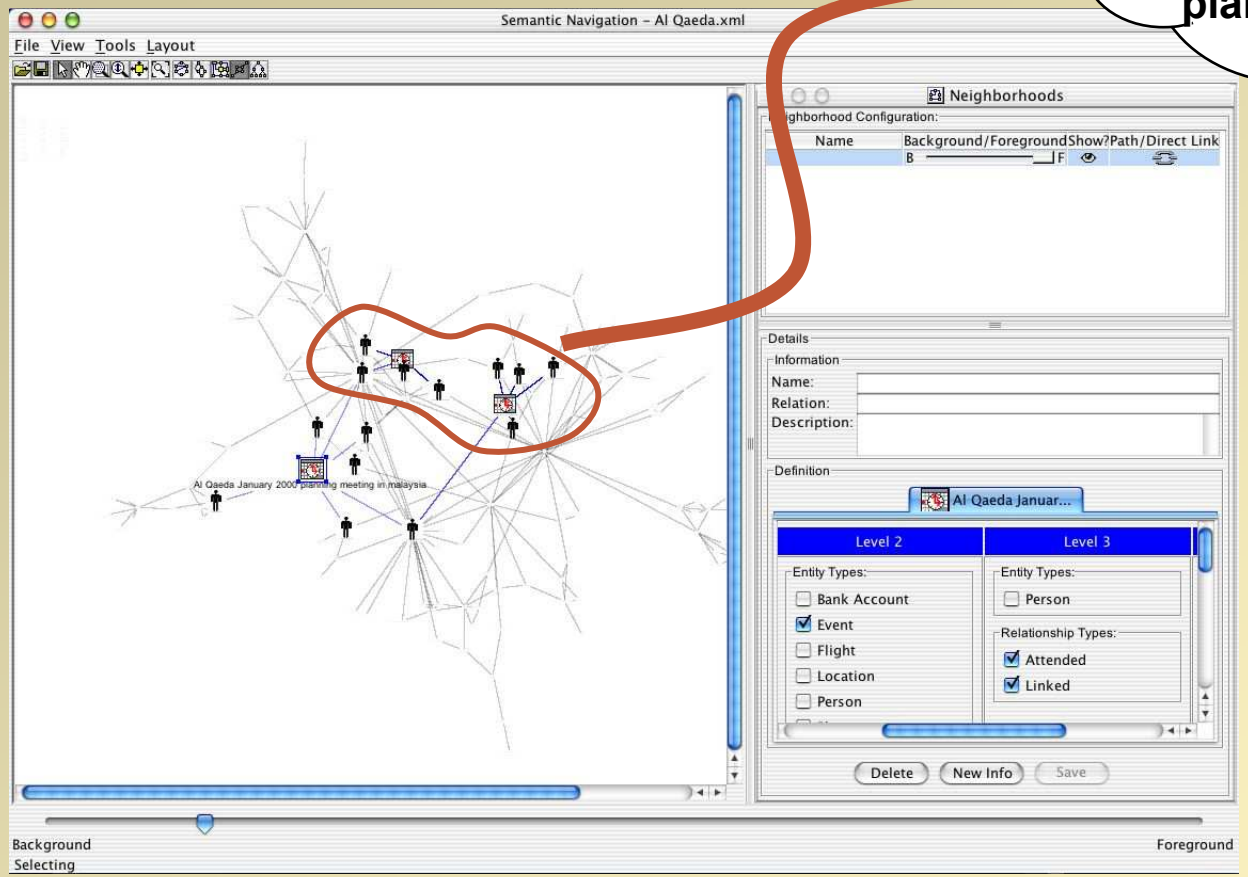

What's going on?
Interesting meeting…
Who was there?
Ah, these guys…
Semantic Navigation – Al Qaeda.xml
File View Tools Layout
Neighborhoods
Name
Background/Foreground
Show?
Path/Direct Link
Details
Information
Name:
Relation:
Description:
Definition
Al Qaeda Januar...
Level 1
Level 2
Entity Types:
Person
Relationship Types:
Attended
Event
Flight
Location
Person
Delete
New Info
Save
Background
Selecting
Foreground

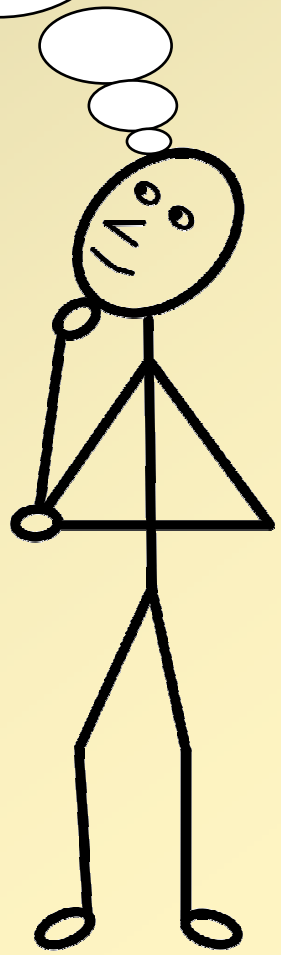

Who was there?
These guys…
Where else have they been?
Oho, these events…
Semantic Navigation – Al Qaeda.xml
File View Tools Layout
Neighborhoods
Name
Background/Foreground
Show?
Path/Direct Link
Details
Information
Name:
Relation:
Description:
Definition
Al Qaeda Januar...
Level 1
Level 2
Entity Types:
Relationship Types:
Attended
Event
Flight
Location
Person
Delete
New Info
Save
Background
Selecting
Foreground

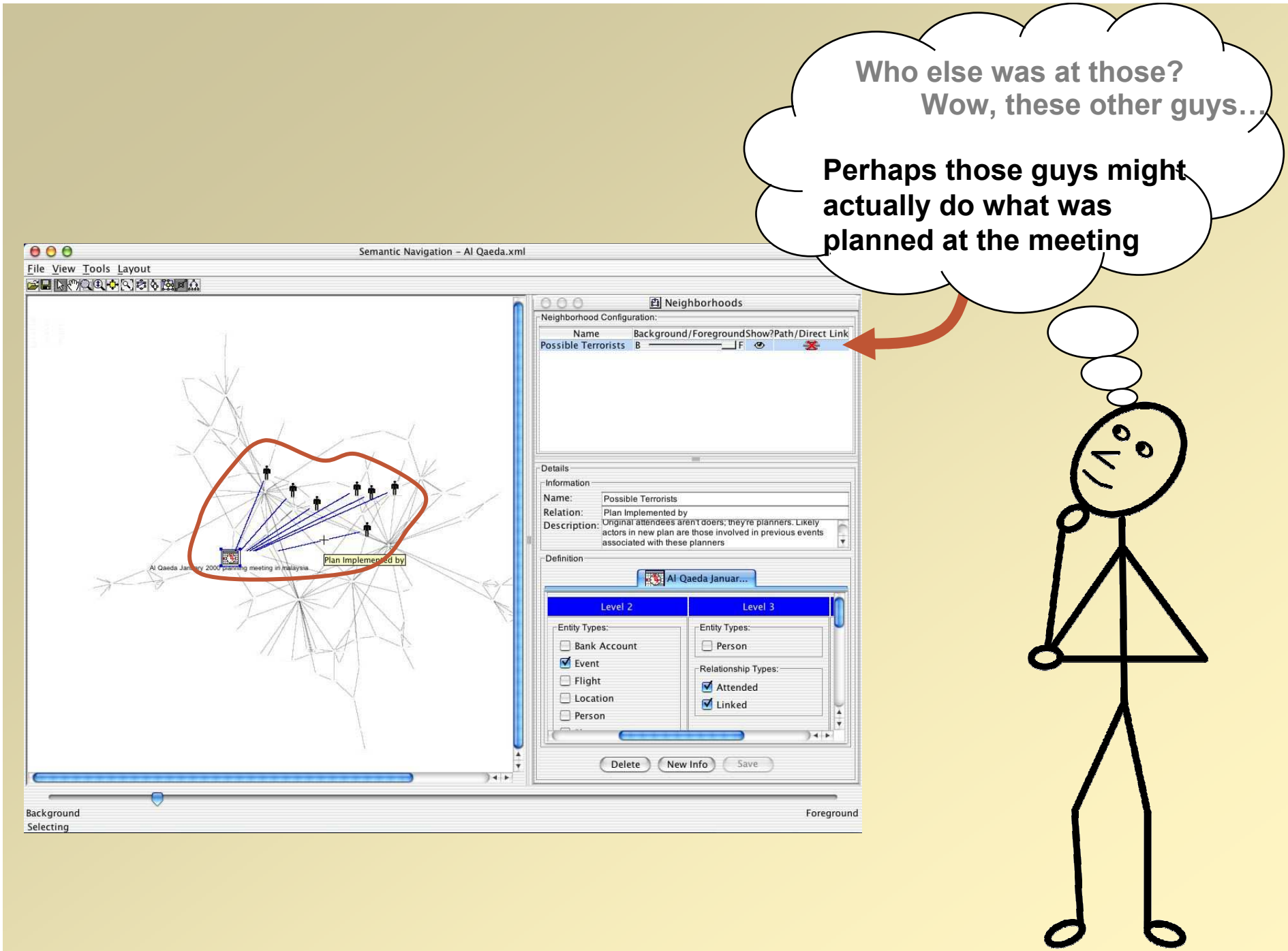

Where else have they been?
These events…
Who else was at those?
Wow, these other guys…
Semantic Navigation – Al Qaeda.xml
File View Tools Layout
Neighborhoods
Neighborhood Configuration:
Name
Background/Foreground
Show?
Path/Direct Link
Details
Information
Name:
Relation:
Description:
Definition
Al Qaeda Januar...
Level 2
Level 3
Entity Types:
Bank Account
Event
Flight
Person
Entity Types:
Person
Attended
Linked
Delete
New Info
Save
Background
Selecting
Foreground

Who else was at those?
Wow, these other guys…

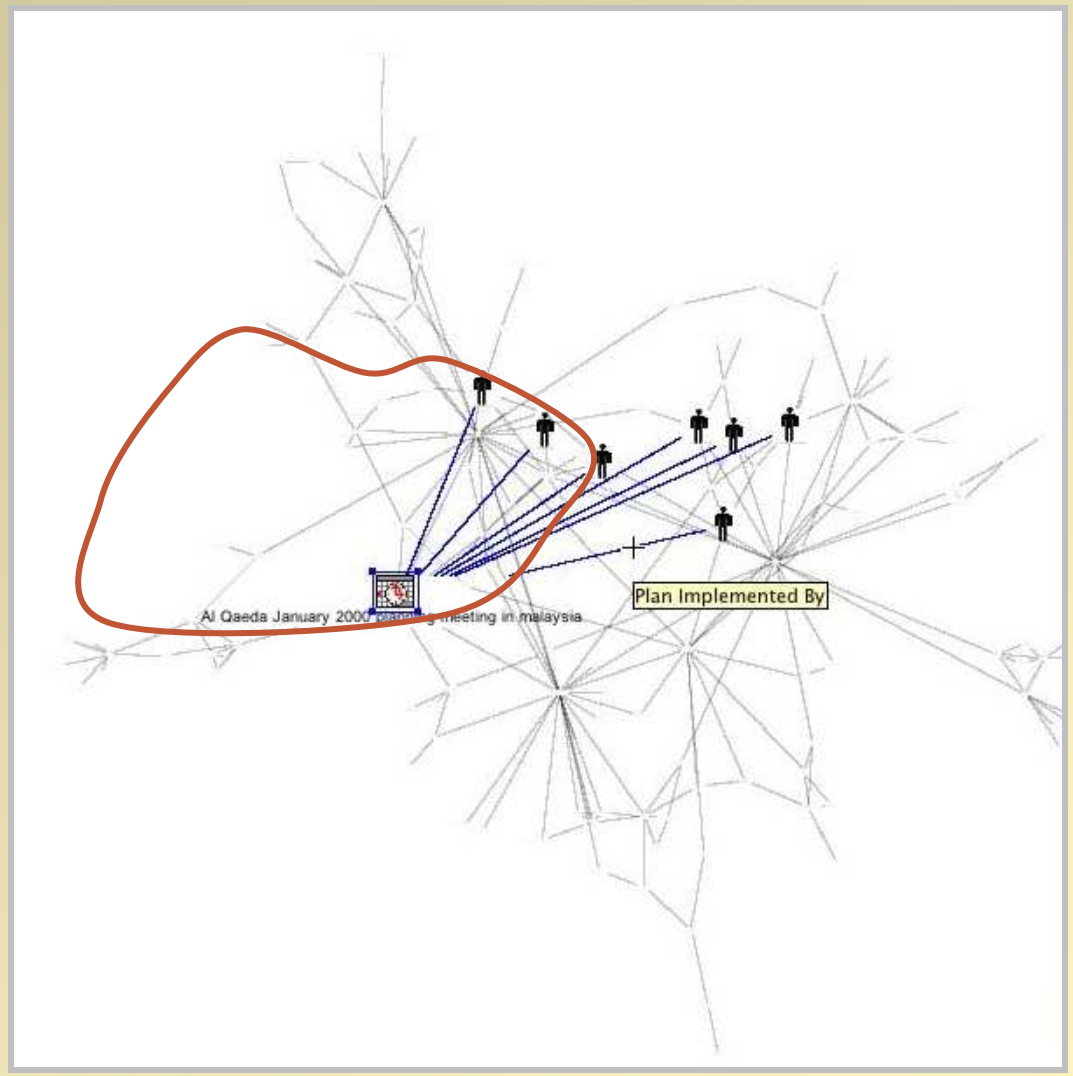
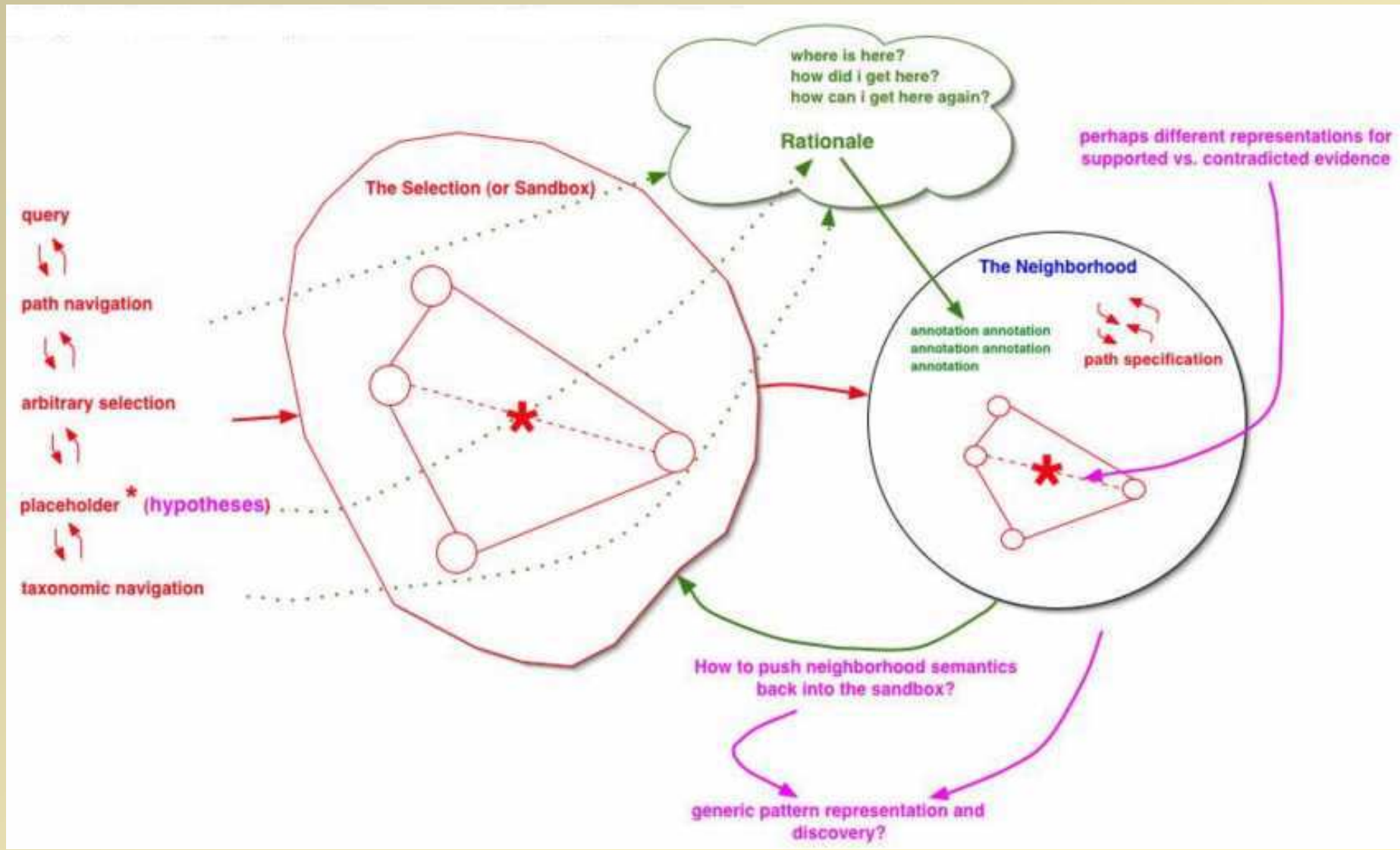
Perhaps those guys might actually do what was planned at the meeting






Who else was at those?
Wow, these other guys…
Perhaps those guys might actually do what was planned at the meeting
Semantic Navigation – Al Qaeda.xml
File View Tools Layout
Neighborhoods
Neighborhood Configuration:
Name
Background/Foreground
Show?
Path/Direct Link
Possible Terrorists
Details
Information
Name:
Possible Terrorists
Relation:
Plan Implemented by
Description:
Original attendees aren't doers; they're planners. Likely actors in new plan are those involved in previous events associated with these planners
Definition
Al Qaeda Januar...
Level 2
Level 3
Entity Types:
Bank Account
Event
Flight
Location
Person
Entity Types:
Person
Relationship Types:
Attended
Linked
Delete
New Info
Save
Plan Implemented by
Background
Selecting
Foreground

An Interactively discovered, semantically-related neighborhood,
Involving entities widely dispersed in the graph,
Depicted in context



The general intelligence analytical problem