

It's all in the links: deciding concept map type and usage in language task

AsiaTEFL

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Unity within Diversity

DEGREE OF
ABSTRACTION

STRUCTURAL
INSTANCE

MAPPING
EMBODIMENT

Rhetorical structures

These structures are arrays of rhetorical moves.

Narrative
orchestration

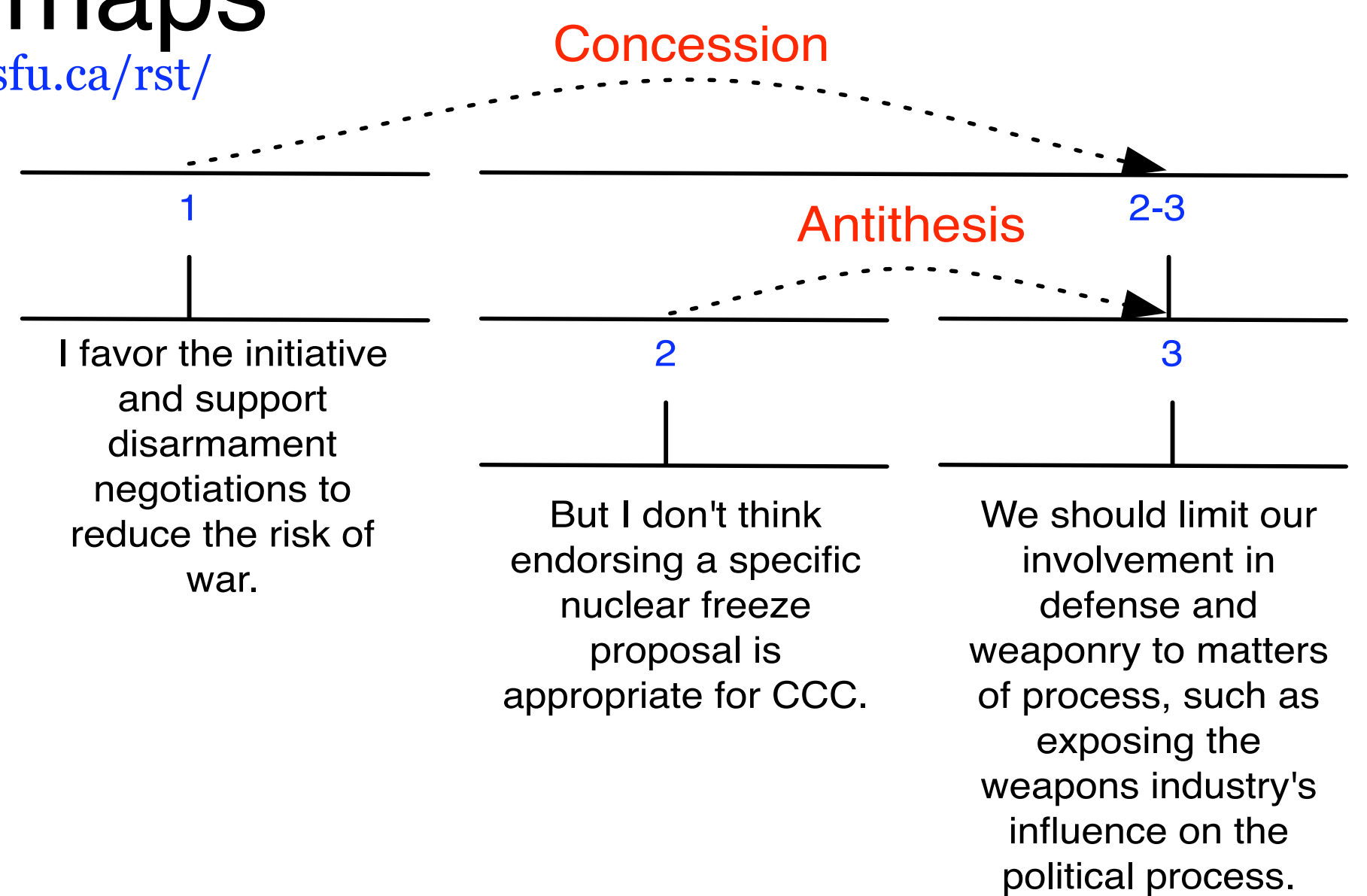
Argument

S-P-S-E*

*Situation-Problem-Solution-Evaluation

RST* maps

<http://www.sfu.ca/rst/>



*Rhetorical Structure Theory

Graphic from Taboada, M. and Stede, M. (2009) Introduction to RST Rhetorical Structure Theory (ppt).

Information organization

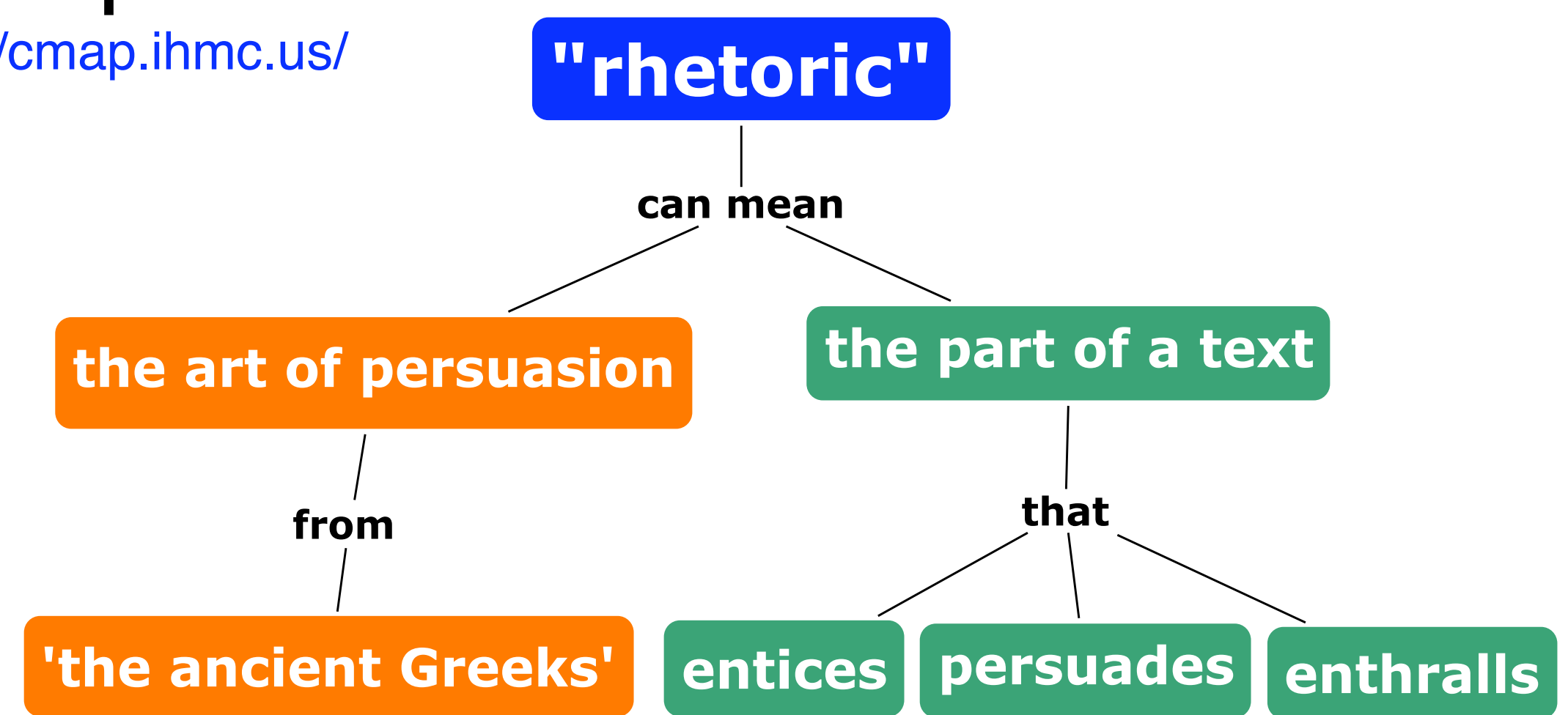
These conceptual syntaxes aid reader/listener access to information, but they are not structures in the sense of having prescribed links between elements.

Hierarchical
concept array

General-to-specific

Cmaps

<http://cmap.ihmc.us/>



RST maps and Cmaps are instances of Novakian maps, after Joseph Novak's style: every link has a text label to indicate the nature of the link.

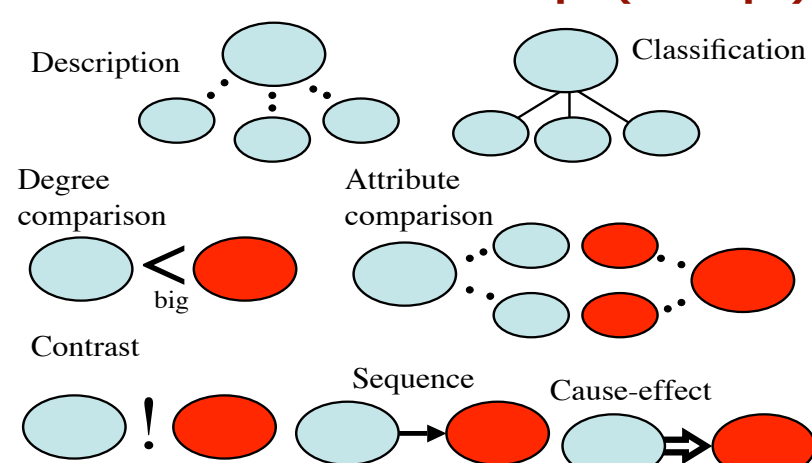
Information structures

These structures consist of dyads of irreducible bits of information, joined by information structure links.

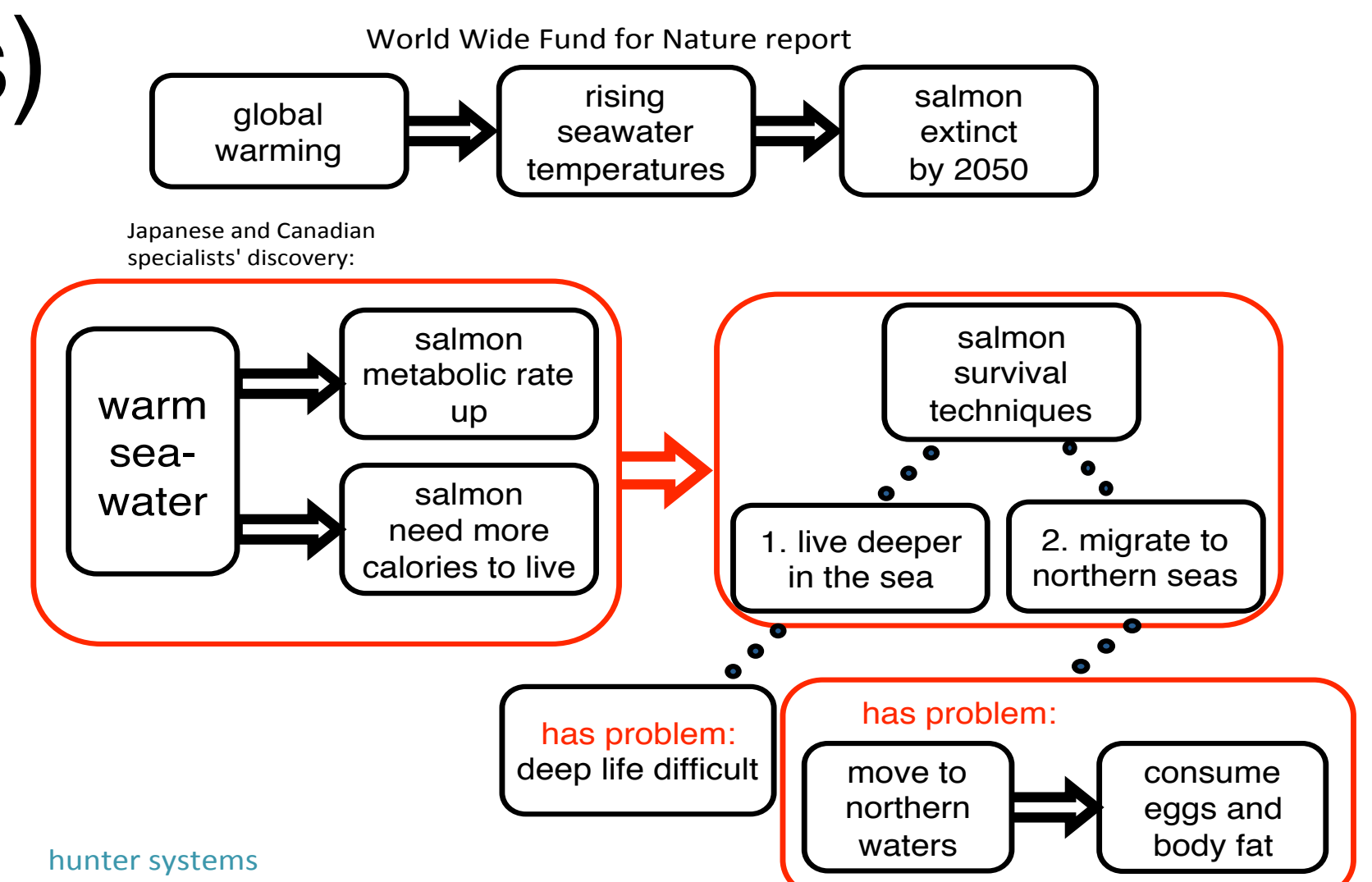
These structures are (often) explicitly signaled in text: e.g. The invasion led to the departure of the dictator. e.g. This dessert contains more calories than the rest of the meal.

Description
Classification
Comparison
Sequence
Cause-effect

Hunter's infostructure maps (ISmaps)



Information Structure maps (ISmaps)



Hunter's ISmaps are the underlying structure of "Critical Thinking" (Greene & Hunter, Asahi Press 2002) and "Thinking in English" (Hunter, Cengage 2008).

<http://www.core.kochi-tech.ac.jp/hunter/professional/anchoring2/>