Automatic Extraction of References to Future Events from News Articles Using Semantic and Morphological Information

Yoko Nakajima
Kitami Institute of Technology

Future Reference Sentences

- Describe the probable future event.
- Contain comments to the future event.
- Include information on past events, background knowledge and professional views etc.

Reference to Future Events

- FRS on a specific topic can support decision making process.
- I undertake the task of extraction of FRS from reliable corpus (newspapers).

a probability of rain : 30%
[bring / don’t bring] an umbrella ?

professional : “It could rain around lunchtime a little.”
lay people : can decide to bring an umbrella easily.
As Japanese eel has been specified as an endangered species, the expectations grow towards mass production of eel in full aquaculture.

English: As Japanese eel has been specified as an endangered species, the expectations grow towards mass production of eel in full aquaculture.

MS: [Object][Agent][State change][Action][Noun][State change][Object][State change]

MoPs: [Object]*[State change]*[Noun]*[State change]

BEP = 0.76