



The Challenge of Syntax-Based Machine Translation

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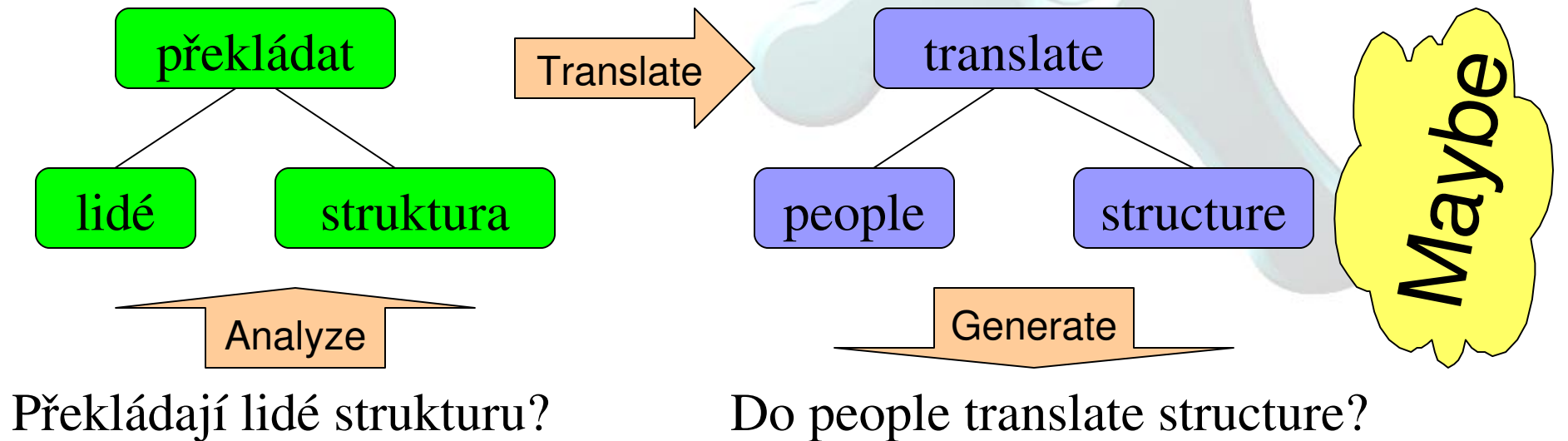
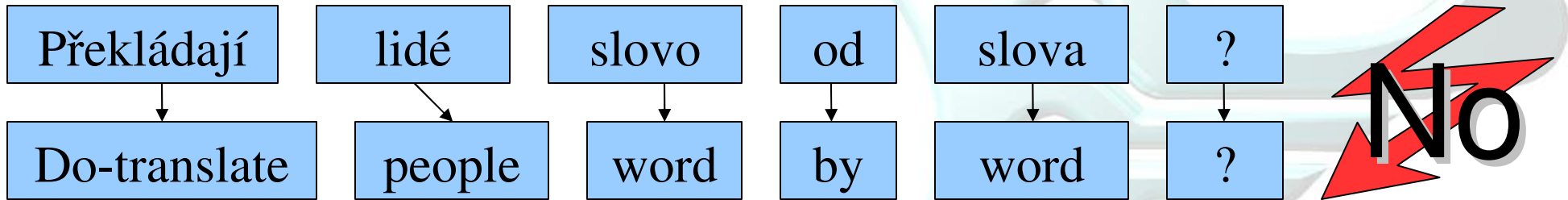
(visiting LT Group, CSSE, Melbourne University)



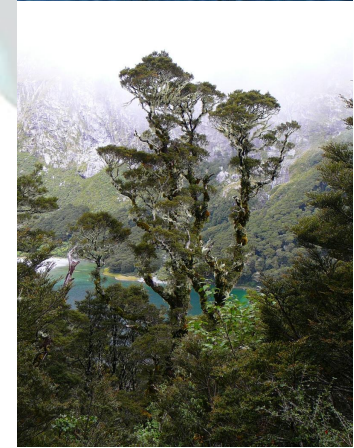
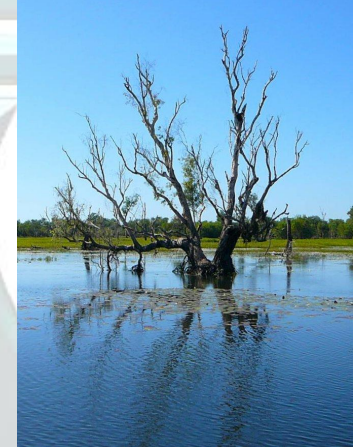
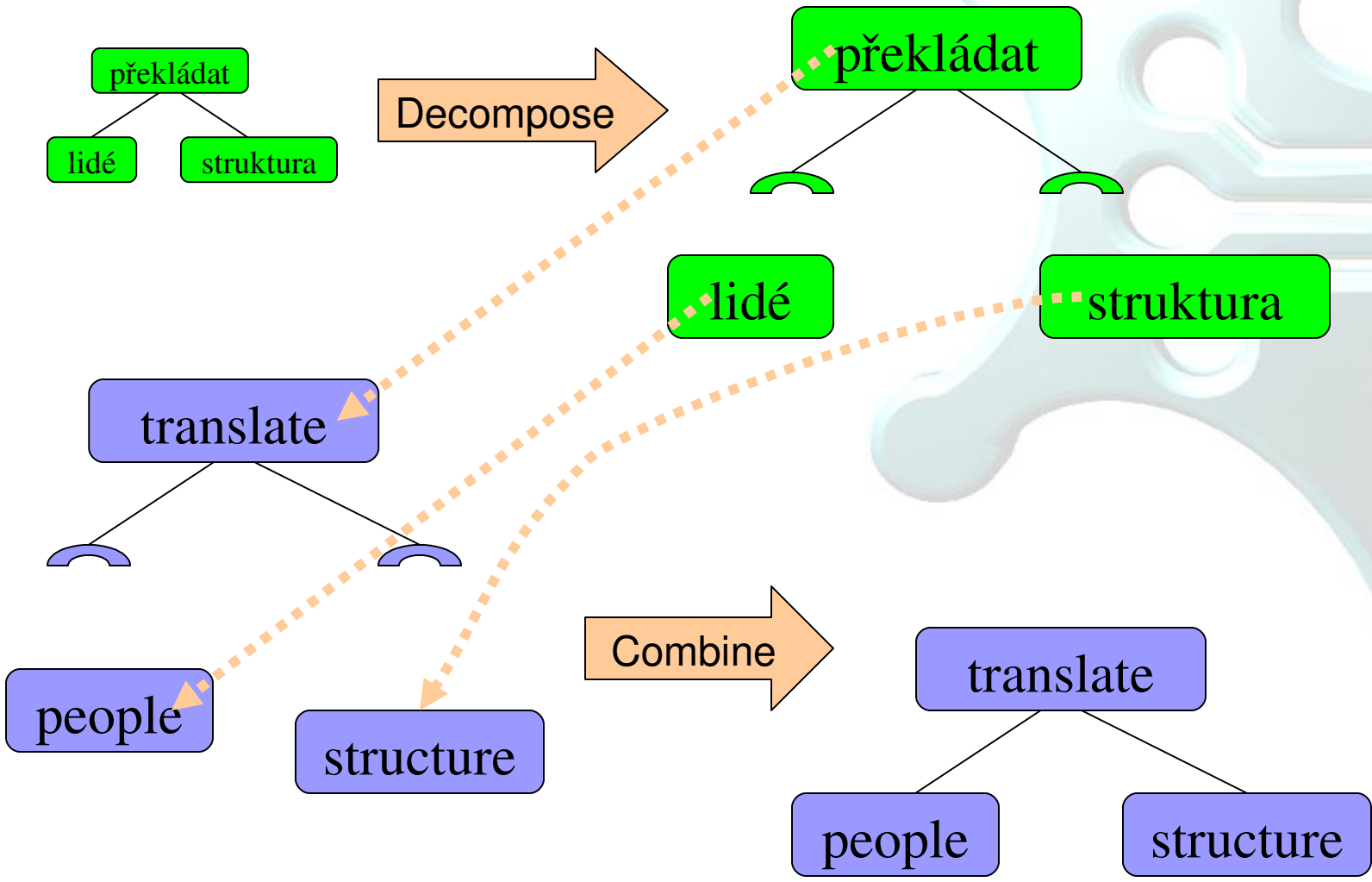
HCSNet

The ARC Network in Human Communication Science

Syntax-Based Machine Translation



Translating Trees



Results & Discussion

- Tree translation performs poorly:
 - More steps → More errors.
 - Complex structure → More conflicts.
- Future experiments:
 - Use smaller bits (decompose nodes).
 - Improve components of the system.
- Lazy alternative given enough data:

