

# Approaches to Machine Translation: Rule-based, Statistical and Hybrid

*Organization of the course*

# Videlectures distribution

Week	Main topic
1	Introduction and rule-based MT
2	Alignment and phrase extraction
3	Reordering, language modeling, tuning and decoding
4	Evaluation and toolkits
5	Hybrid MT and MT use case

+ 2 extra weeks for final exam and reports

# Professors and videolectures

- Marta R. Costa-jussà, in charge of introduction, rule-based, reordering, decoding and hybrid MT
- Lluís Formiga, in charge of alignment, phrase-extraction, tuning, language modeling, toolkits and MT use case

INVITED SPEAKER: Meritxell González, as expert in MT evaluation

# Quizzes

- At the end of each week.
- Mandatory to pass the course.

# Assignments

- A. Elementary Programming Assignments in bash script using standard toolkits
- B. Advanced Programming Assignments in python
- C. Scientific Assignment

Options to pass the course:

→ EXPLAINER:                      A + C

→ PROGRAMMER:                    B + C