An Italian to Catalan RBMT system reusing data from existing language pairs

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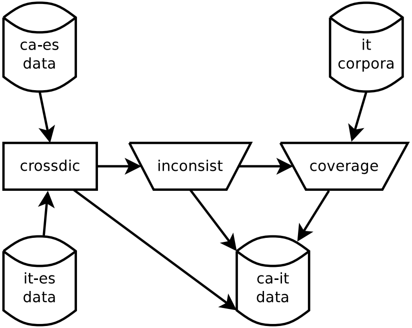
  - Reusing data from similar pairs significantly reduces the amount of work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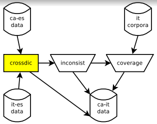
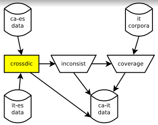


- Input dictionaries:



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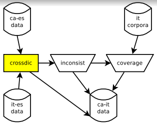
  - es–it: mono es 11k, mono it 10k, bi 12k



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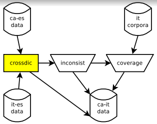

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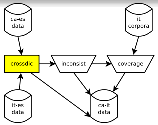

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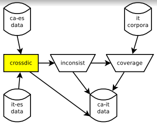

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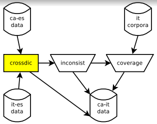

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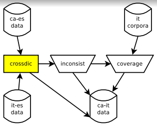

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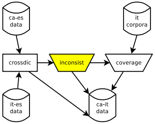
  - transfer rules: 35 taken from oc–ca (mainly noun phrases) + 9 manually created (verbs and clitic pronouns)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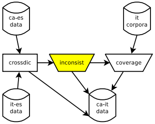

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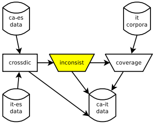

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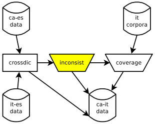

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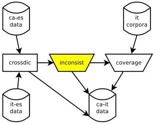

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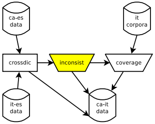

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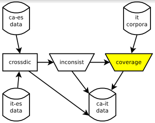
  - Substitute derived ca mono dictionary (8k) for that in es–ca (40k)



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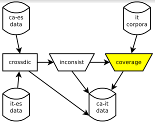

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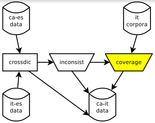

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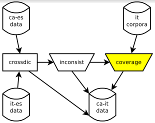

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	Europarl	Wikipedida
Number of words	46,569,602	241,563,615
Initial coverage	86.4%	75.5%
Final coverage	88.9%	79.4%

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- Metrics: TER, GTM, BLEU, NIST

Metric	Apertium	Apertium-i	Google
TER	**0.5703**	0.6118	0.6785
GTM	**0.5162**	0.4712	0.41637
BLEU	0.2290	0.1492	**0.2459**
NIST	5.6567	4.4753	**6.1071**

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- System released as apertium-ca-it-0.1.0

Thanks! Questions?