

# CENTAL : Centre for Natural Language Processing

## WHAT WE OFFER : services and expertise

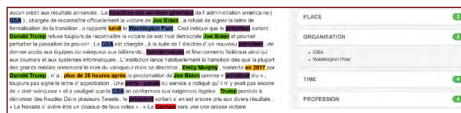
- Consultancy activities and scientific guidance
- Natural language processing (NLP) prototype development
- Project development, monitoring & evaluation
- Expert training in NLP & artificial intelligence

```

40 tagset_size = config.get('tagset_size', None)
41 if tagset_size is None:
42     raise ValueError("You must specify the 'tagset_size' config variable")
43
44 optimizer = config.get('optimizer', 'adam')
45 loss_function = config.get('loss_function', 'categorical_crossentropy')
46 metrics = config.get('metrics', ['accuracy'])
47 batch_size = config.get('batch_size', 256)
48 epochs = config.get('epochs', 5)
49 verbose = config.get('verbose', 1)
  
```

### Technical expertise

- Machine learning
- Neural networks & deep learning
- Linguistic resources development
- Rule-based methods



### Information extraction

- Named entity recognition
- Relation extraction
- Sentiment analysis & opinion mining
- Document classification & clustering
- Text readability & simplification



### Information retrieval

- Domain-specific search engines
- Similarity engines
- Thesaurus & ontology development
- Query analysis & expansion



### Key domains of applications

- NLP for healthcare, finance and law
- Social media mining
- Big data analytics



### Training

- Expert coaching
- Tailor-made training
- Summer schools

## CONTACT

Platform manager

Patrick Watrin

patrick.watrin@uclouvain.be

+32(0)10/47.37.86

[www.uclouvain.be/cental](http://www.uclouvain.be/cental)

Picture credits: Jacky Delorme



Collège Léon Dupriez  
Place Montesquieu, 3 bte L2.06.04  
1348 Louvain-La-Neuve  
Belgium

