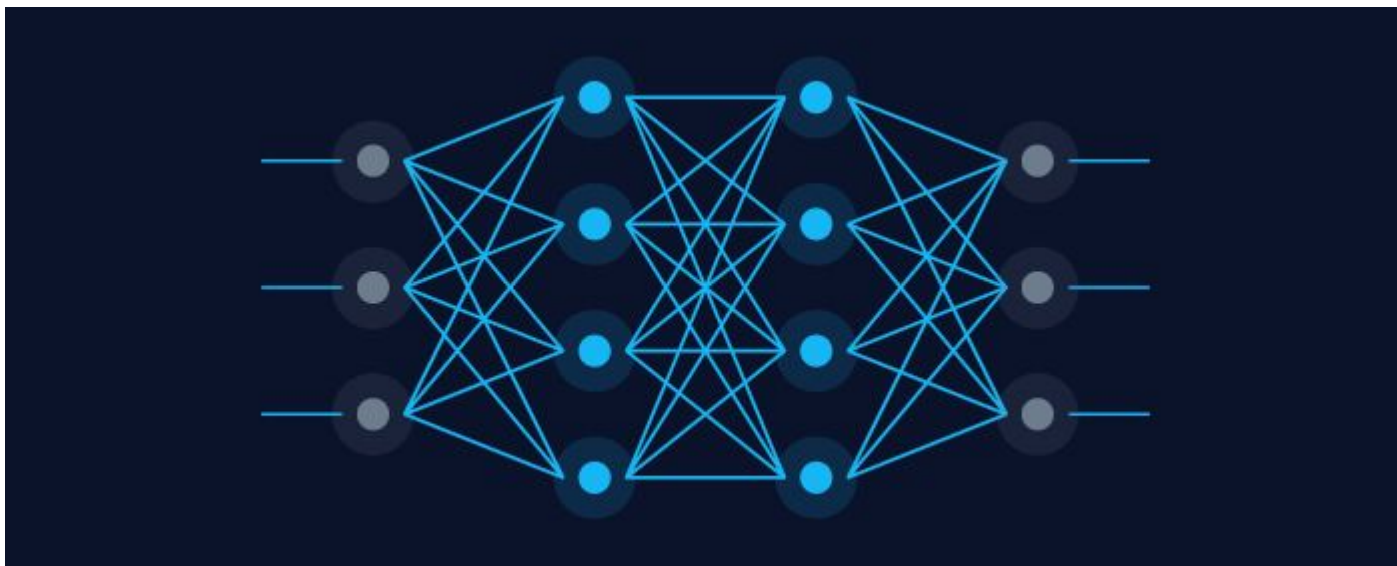


# Semantic Segmentation & Text translation

Ihor Volokhovych, MMAI - 1

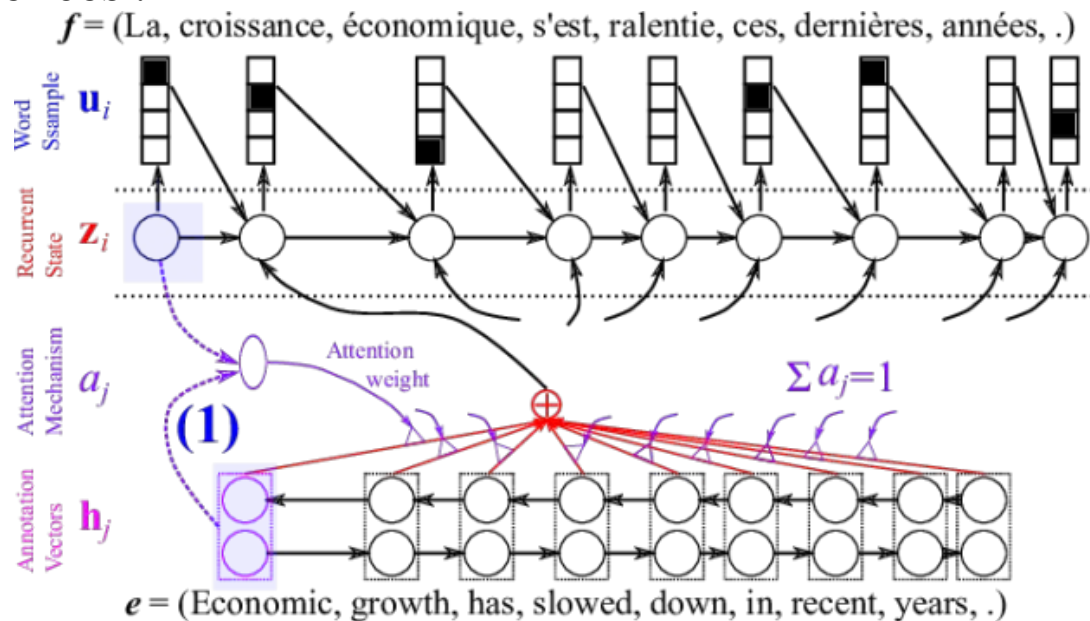
# What is it?

**Neural machine translation** (NMT) is an approach to machine translation that uses an artificial neural network to predict the likelihood of a sequence of words, typically modeling entire sentences in a single integrated model.



# What is Attention?

Attention is an interface between the encoder and decoder that provides the decoder with information from every encoder hidden state. With this setting, the model is able to selectively focus on useful parts of the input sequence and hence, learn the alignment between them. This helps the model to cope effectively with long input sentences .



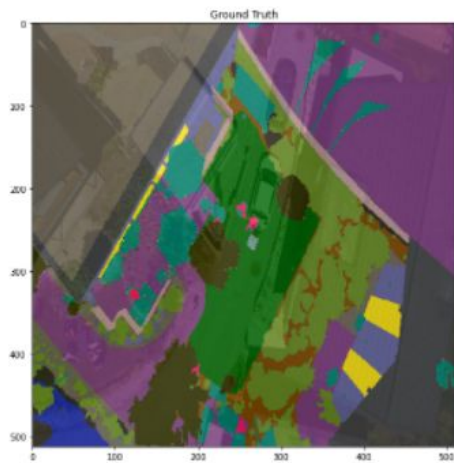
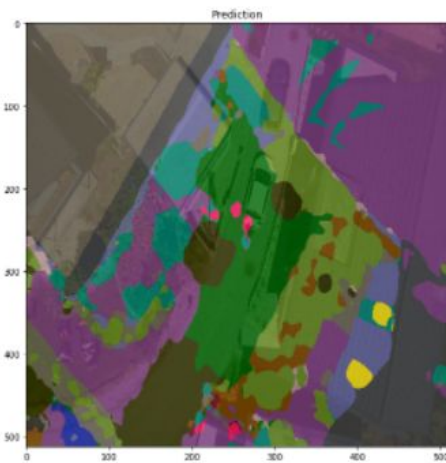
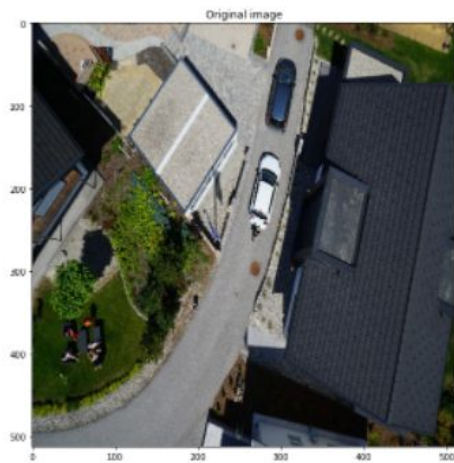
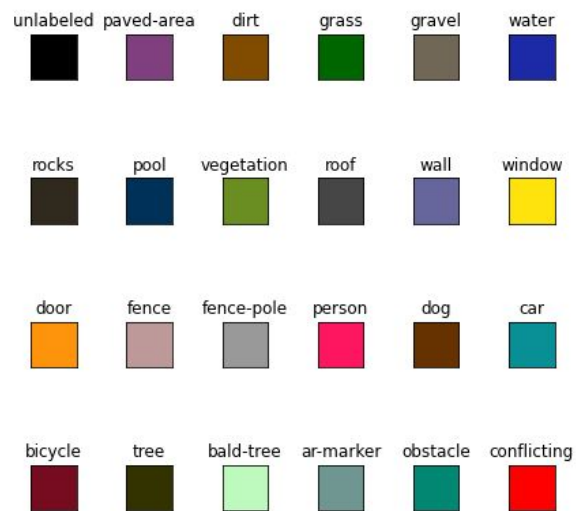
# Semantic segmentation



predict



Person  
Bicycle  
Background



Epoch 63: early stopping

