The goal is to find a way to label a document cluster with a natural, informative phrase, together with some measure of confidence.

**European Sovereign Debt Crisis**

**Deconstructing Wikipedia**

**WikiLabel**

\[ l_0^* = \arg \max_{l: |l| \in W^M} \text{Score}(p[l], \theta | N) \]

\[ \text{Score}(p[l], \theta | N) = \lambda \text{COS}(p[l], \theta | N) + (1 - \lambda) \text{OVL}(l, \theta | N) \]