Resources

• Main site for Navigational Knowledge Engineering (NKE):
  http://aksw.org/Projects/NKE

• Web Demo of HANNE:
  http://hanne.aksw.org
Intro

• Go to hanne.aksw.org
• Select a knowledge base
• This tutorial will use DBpedia
NKE Methodology

NAVIGATION
creates a list of
seed examples

ITERATIVE
FEEDBACK
produces a formally
defined concept

RETENTION
creates an
ontology of
user interests
In HANNE the entry point is a text search
Choose initial positive and negative examples from the search result. Here we are looking for Football Clubs in Saxony, a region in Germany.
Alternatives

• NKE can be seamlessly integrate into existing software
• The next two slides contain two mockups for Wikipedia and Amazon.com
You may create the page "Soccer Leipzig", but consider checking the search results below to see whether it is already covered.

For search help, please visit Help:Searching.

**RB Leipzig**
RB Leipzig is a German football Category:German football clubs | club based in ... External links: com/soccer/leipzig/de/home. html RB Leipzig ...

12 KB (1,560 words) - 16:27, 9 December 2010

**Dieter Kühn**
Dieter Kühn (born July 4, 1956 in Leipzig, Saxony) is a former football (soccer) player from East Germany, who won the silver medal with ...

3 KB (229 words) - 15:51, 25 October 2010

**1. FC Lokomotive Leipzig**
FC Lokomotive Leipzig is a German football club based in the city of Leipzig in Saxony ... External links: abseits-soccer. com/clubs/leipzig. ...

19 KB (2,679 words) - 00:19, 11 December 2010

**Sebastian Albert**
Sebastian Albert (born 26 February 1987 in Leipzig) is a German footballer who ... com/soccer/leipzig/de/rb-leipzig-team-spieler-detail_10.
After selecting the initial examples, the machine learning and iterative feedback phase can start. Click „Start Learning“.
• **The Learned Concept is shown in Manchester OWL Syntax**

• **On the right Related Concepts are shown**

• **The user has two choices:**

  1. Click „Matching“ to retrieve all instances and select more examples

  2. Save the concept for later. Saved concepts are displayed on the right side as navigation suggestions
Result

With only 2 positives and 4 negatives it is possible to find 13 more instances, which are football clubs situated close to Saxony, Germany.