AceWiki is a semantic wiki using the controlled natural language ACE (Attempto Controlled English).

ACE supports a wide range of natural language constructs:
- Proper names, Nouns, Verbs, Adjectives
- Of-constructs: part of, child of, owner of
- Number restrictions: at most 3 countries
- Relative phrases: ... that orbits the Sun
- Anaphoric references: the country, the planet
- Existential and universal quantifiers: a, every
- Negation: no, does not, is not, it is false that
- Pronouns: something, everybody, what
- Conditional sentences: if ..., then ...

AceWiki makes it easy to add and modify ACE sentences. A predictive editor helps the users to create sentences that comply with the ACE syntax:

The reasoner is used to infer class memberships and class hierarchies:

We performed an understandability experiment that compares the understandability of ACE to a comparable common formal language: MLL, a language that is heavily inspired by the Manchester OWL Syntax. During the experiment, the subjects had to classify 10 statements in ACE/MLL as true or false according to a situation depicted by a diagram. Our results show that ACE was understood significantly better:

Furthermore, ACE required significantly less time to be learned:

After the experiment, the subjects stated that ACE was more understandable: