AceWiki is a semantic wiki that is easily understandable by everybody. The wiki articles are written in ACE (Attempto Controlled English) that is a controlled natural language.

ACE supports a wide range of natural language constructs:
- Proper names, nouns, verbs, of-constructs, ...
- Singular and plural noun phrases
- Relative phrases
- Anaphoric references
- Existential and universal quantifiers
- Negation
... and much more. Some examples:
- Every country controls every city of the country.
- Italy is a country that is a part of Europe.
- Switzerland borders exactly 5 countries.
- Switzerland does not border a sea.

AceWiki is not only easy to read and understand, but also easy to modify and extend. Users do not need to understand the details of ACE. A predictive editor helps them word-by-word to create sentences that comply with the ACE syntax:

We performed a small-scale user experiment to test the usability of AceWiki. The participants were asked to add general knowledge to AceWiki:
- 20 participants (no background in logic and ontologies)
- No instructions how to use the interface
- They spent on average 47 minutes on AceWiki
- They created in total 186 sentences
  - 80% were correct and sensible
  - 61% were complex (using negation or implication)

AceWiki integrates the OWL reasoner Pellet that considers all OWL-compliant sentences of the wiki. It ensures that the ontology is always consistent:
- Every country is a part of exactly 1 continent.
- Every country that borders Switzerland is a part of Europe.
- Germany borders Switzerland.
- Germany is a part of Asia.

The reasoner infers class memberships and presents them in ACE:
- Switzerland is an area.
- Switzerland is a country.
- Switzerland is a landlocked-country.
- Switzerland is an object.

Also class hierarchies are inferred and presented in ACE:

- Every country is an area.
- Every country is an object.

Furthermore, AceWiki supports inline-queries that are answered by the reasoner:
- Which cities are a part of Switzerland?
  - Berne
  - Geneva
  - Lucerne
  - Zurich

AceWiki is a formal language that is translatable into logic and other languages, for example OWL. Some examples of OWL-compliant sentences:
- Every country that borders no sea is a landlocked-country.
- If something X borders something Y then Y borders X.
- Antarctica contains no country.
- There are exactly 7 continents.

ACE is more expressive than OWL. You can express complex statements (e.g. rules) that are beyond OWL:
- No country borders every country.
- If Liechtenstein is a country then Andorra is a country.
- If a country contains an area and does not control the area then the country is an unstable-country.

ACE supports also questions which are used in AceWiki to state queries:
- Which continents contain more than 10 countries?
- Zurich is a part of what?
- Which cities overlap with more than 1 continent?
- Switzerland borders which country that borders Spain?

Thus, ACE is an all-in-one language.