The SharpKBE software provides a graphical user interface environment for domain experts to build and manage knowledge base systems. Knowledge bases can be exported/translated to various target languages automatically, including customizable target languages. The tool enhances current practices by minimizing reliance on toolsmiths for system workflow management, and also improves the quality and maintenance of those systems by reducing the number of errors within the knowledge bases. This tool’s primary capability is in the area of expert systems modeling, specifically where there is a need to capture and efficiently manage large quantities of domain information (see figure).

The SharpKBE supports C# and SHINE targets, and in concert with SHINE additionally produces C and