The purpose of this study was to analyze and compare the existing international methods applied for classifying and identifying foods characteristics in a number of modern computerized databases such as Foodex, INFOODS/FAO, EuroFIR, and present our initial results of Regional and National Ukrainian food composition databases creation.

In this study theoretical synthesis and deductive analysis were used, literary review of foreign scientific peer-reviewed sources, characteristics of the software LanguaL, DaRis were presented.

The demand for a language-independent thesaurus (LanguaL) and the needs for a practical, field-based food system (INFOODS) led to the attempts to link these tools and create a minimal set of standards and a consistent approach for the food products identifying and analyzing around the world. The examples of this combined approach were “systems mapping” and the “International Interface Standard for Food Databases”.

The exploitation of different tools for compiling of the first Regional (100 local products, project) and National food composition databases (53 products of 6 prioritised traditional foods within BaSeFood projects) were reported.

**Key words:** food composition data bases (FCDB), LanguaL, DaRis, INFOODS/FAO, EuroFIR.

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