**Problem:** The "Landtechnik BUS System" (LBS; DIN 9684) defines the communication between agricultural machines, drivers and farm management. The high flexibility and the achievement potential of LBS is implemented only inadequate and not compatible. Caused by the different ECU's of different manufacturers, no software company can develop an implementation which adapts to all used systems and establishes a common standard.

**Solution:** Implement all LBS communication services by a program library, in order to handle complex interactions by simple function calls. This is best done within a research project in cooperation with the developers of the DIN standard. The system is published as a beta release under the terms of the Lesser GPL license, to enable testing, correcting and improving of the system in cooperation with all users (e.g. agricultural companies). Every user has access to the source code, to scrutinize the system and adopt it to his own platform (ECU with microprocessor, OS and compiler).