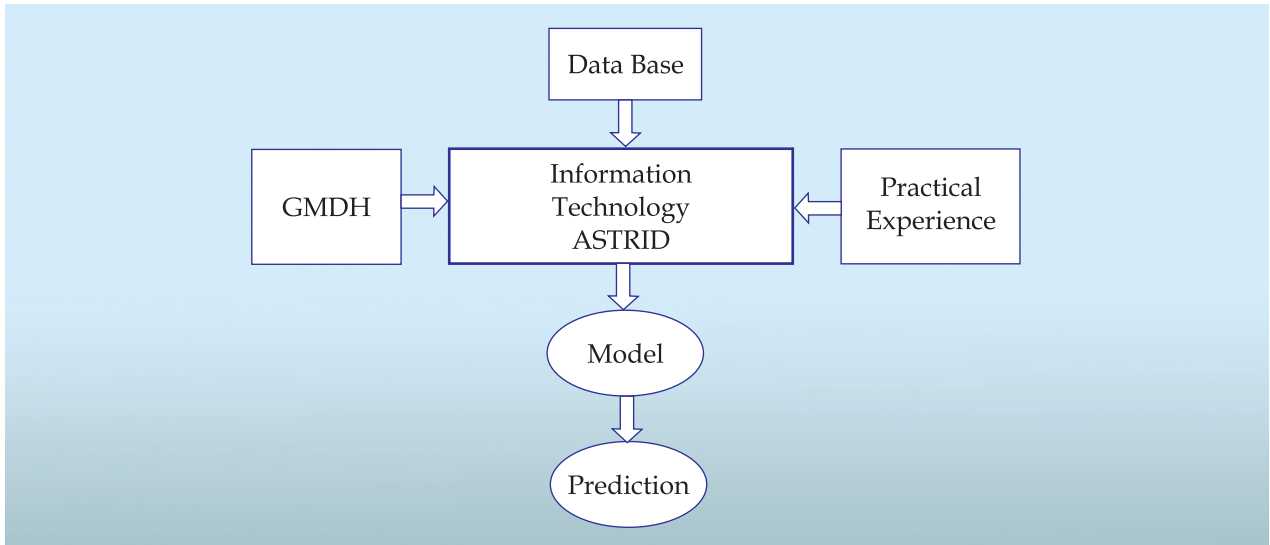# ASTRID TECHNOLOGY FOR MODELING AND FORECASTING OF COMPLEX PROCESSES AND SYSTEMS

ASTRID technology general structure

Areas of Application

The technology is to be used for automated construction of mathematical models of complex objects and processes from statistical databases under conditions of uncertainty and information incompleteness for the purpose of detection of regularities, identification, forecasting, optimization, control, and decision making

Specification

The technology makes it possible to build linear, polynomial, autoregressive, difference (dynamic), nonlinear network models of static objects, time series, dynamic objects, and processes. It can be used both independently and as part of control systems, information-analytical and decision- making support systems

IPR Protection

IPR1, IPR3

Advantages

The ASTRID technology is the most effective for solving the tasks of intelligent data analysis under conditions of a priori information incompleteness, namely, for building models of economic, ecological, and technological processes and systems. Due to its originality, it will be competitive both in Ukraine and abroad

Stage of Development. Suggestions for Commercialization

IRL6, TRL5
Customization and the author's support

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