

# GENERAL KNOWLEDGE MACHINE INTELLECT MODELING KIT

Assisting intellectual activity

*GKM-IMK Project*

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**<http://gkm-ekp.sf.net>**

# Project goals

- The goal is to help human intellect on every step of its activity, accept human knowledge and develop new knowledge together with people
- May be used in any area including management, business, medicine, arts, ...

# Description

**IMK is assisting intellectual activity during the following steps:**

- 1. Observation - getting data and information**
- 2. Producing propositions, based on the knowledge**
- 3. Selection and verification of the most appropriate propositions**

# Description

**4. Memorizing - converting data to information and new knowledge item creation**

**5. Abstraction finding – building artificial objects representing group of real objects, featuring typical signs of group**

# Description

**The activity of IMK could be verified by human expert on every stage.**

**The realization of IMK is based on idea of member of USSR Academy of Science M. N. Livanov that the essence of memory associations is a spatial-temporal coherence of narrow-band periodical oscillations of central neurons sets activity.**

# Intellect Modeling

**"We are drowning in information but starved for knowledge"**

*John Naisbitt, author of Megatrend*

# Intellect Modeling

**IMK was developed as an alternative to traditional Artificial Intelligence.**

**Any human knowledge written and spoken can be uploaded to IMK in a straight way by any expert not familiar with software coding.**

# Intellect Modeling

**The IMK components are designed to create ready-to-use software application using simple text files edited by people.**

**IMK assists intellectual activity, but does not replace people.**



# Intellect Modeling

**Upon information input the list of propositions based on etalons supplied by application ranged by value.**

**With this technology it is also possible to model expert evaluation of situation based on human knowledge doing grouping/categorization. IMK does Data Mining, Big Data and Natural Cluster Analysis to find groups of similar objects and regularities they are based on.**

# General Knowledge Machine Research Group

**General Knowledge Machine Research Group is developing GKM-IMK technology since 1987.**

**Now the product is quite stable and may be applied in any intellect-based area.**

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