ModArt Project Goals:

- **To develop Principles, Methods and Tools for Parts Manufacturing including follow up systems for continues improvement at the Factory Floor as well as the Engineering Offices by using Digital Models.**
    - **Generic and configurable production development processes based on the demands from the manufacturing industry.**
    - **Software from several leading suppliers are used.**
    - **Digital models in international standard and native formats of Parts, Tools, Production Equipment and Factories are used as input/output between systems.**
    - **Demonstrations and Pilots at KTH and Scania.**
- **To develop user friendly and powerful engineering manuals “Pilots” to support and guide Engineers in Industry as well as Teachers at R&D and Education Organisations.**

ModArt Partners

Manufacturing and Engineering Companies

Scania CV

ITT Flygt AB

AB Norrahammars Mekaniska Verkstad

AB Sandvik Coromant

Haldex Brake Products AB

Epsilon HighTech Innovation AB

IT providers

Eurostep AB

UGS Svenska AB

Dassault Systemes AB

MicroTech Systemutveckling AB

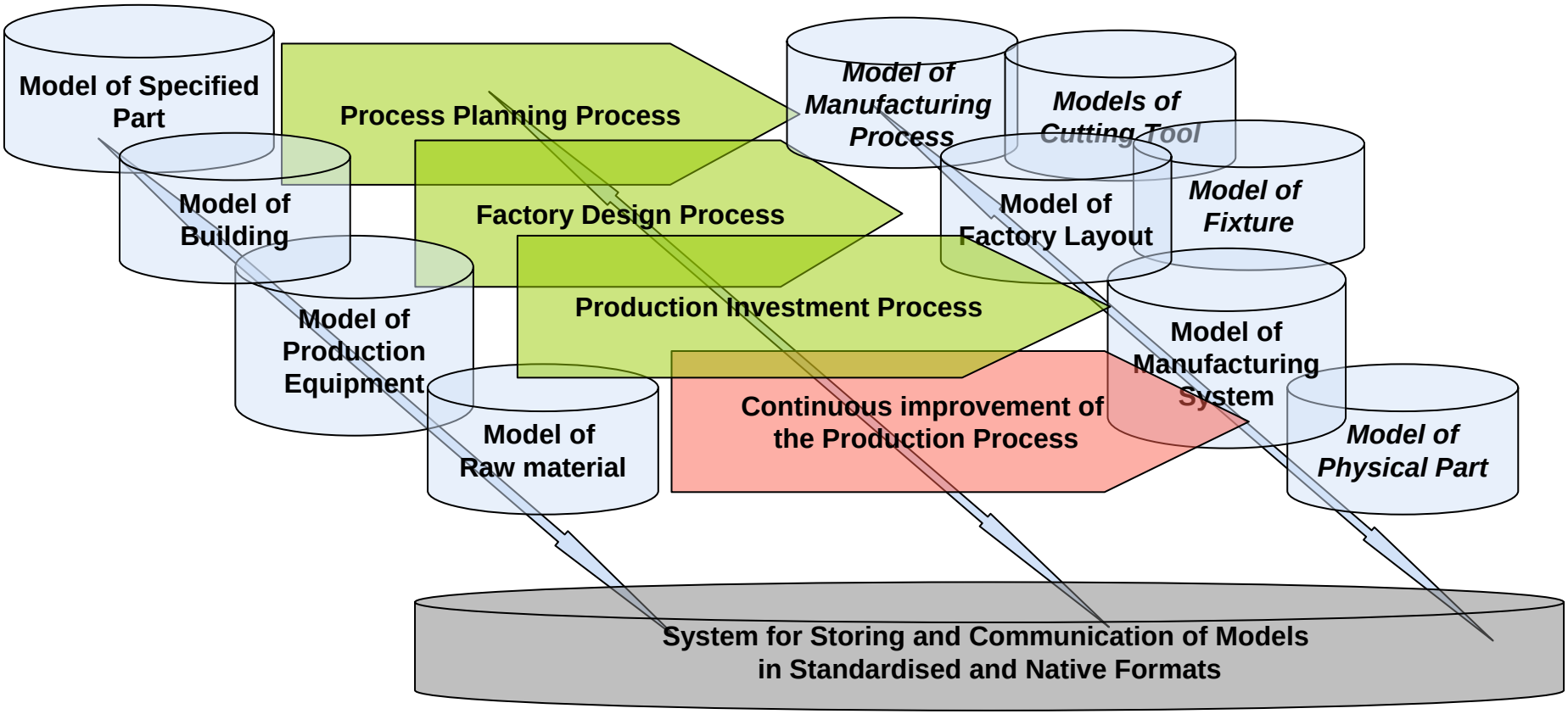
Research and standardisation

KTH Industriell produktion

IVF Industriforskning och utveckling AB

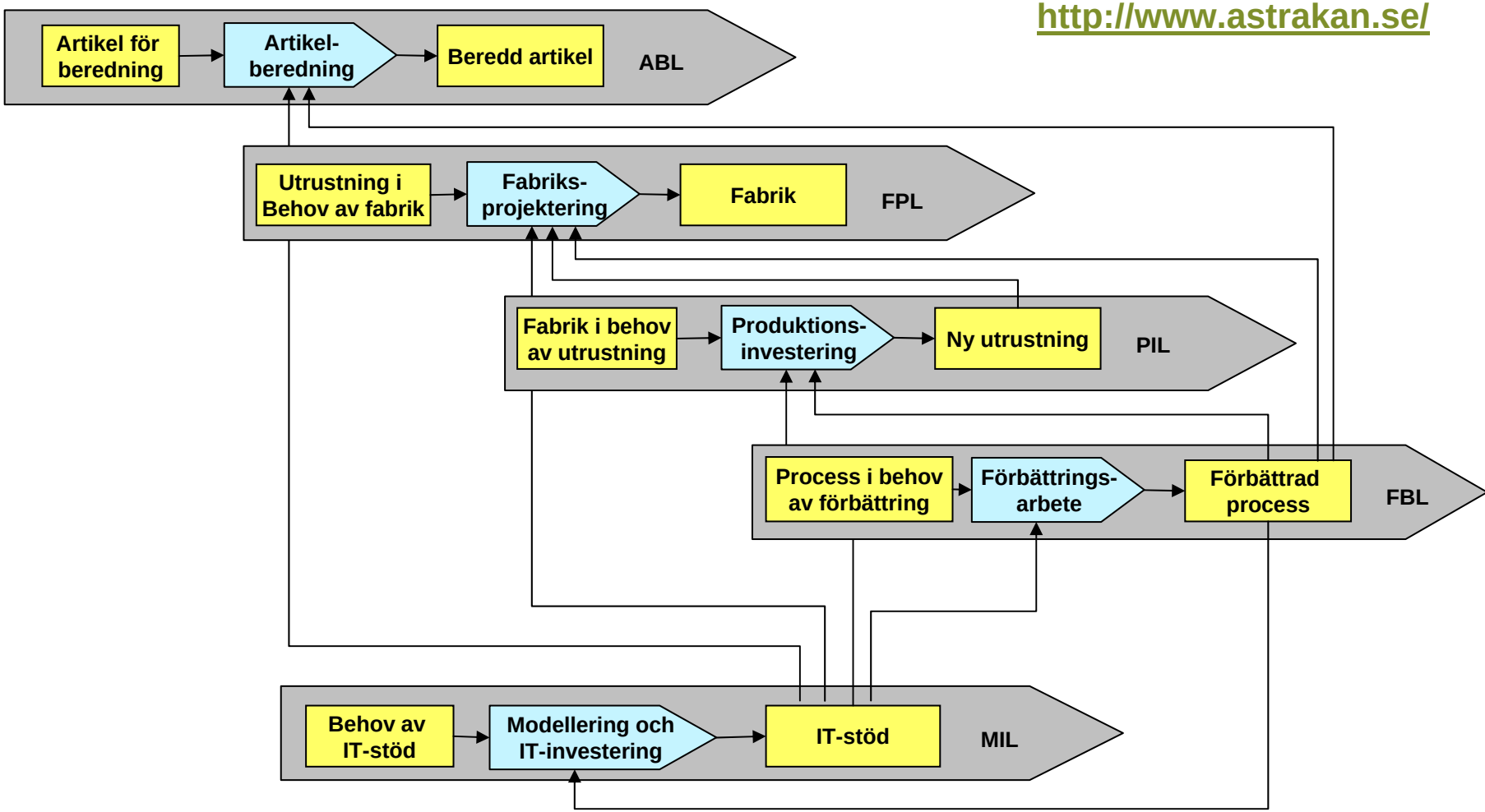
SIS

Models of parts and production resources are used as input/output in the production development processes as well as carrier of experience and knowledge.



The industrial development processes and the relations between these processes are described in Astrakan models.

http://www.astrakan.se/



”PILOTS” will make it easy to implement and use the results

Pilot = Lots *(Swedish for Pilot at a Ship)*

ABL -ArtikelBeredningsLotsen (Process Planning Pilot)

FPL - FabriksProjekterings Lotsen (Factory Design Pilot)

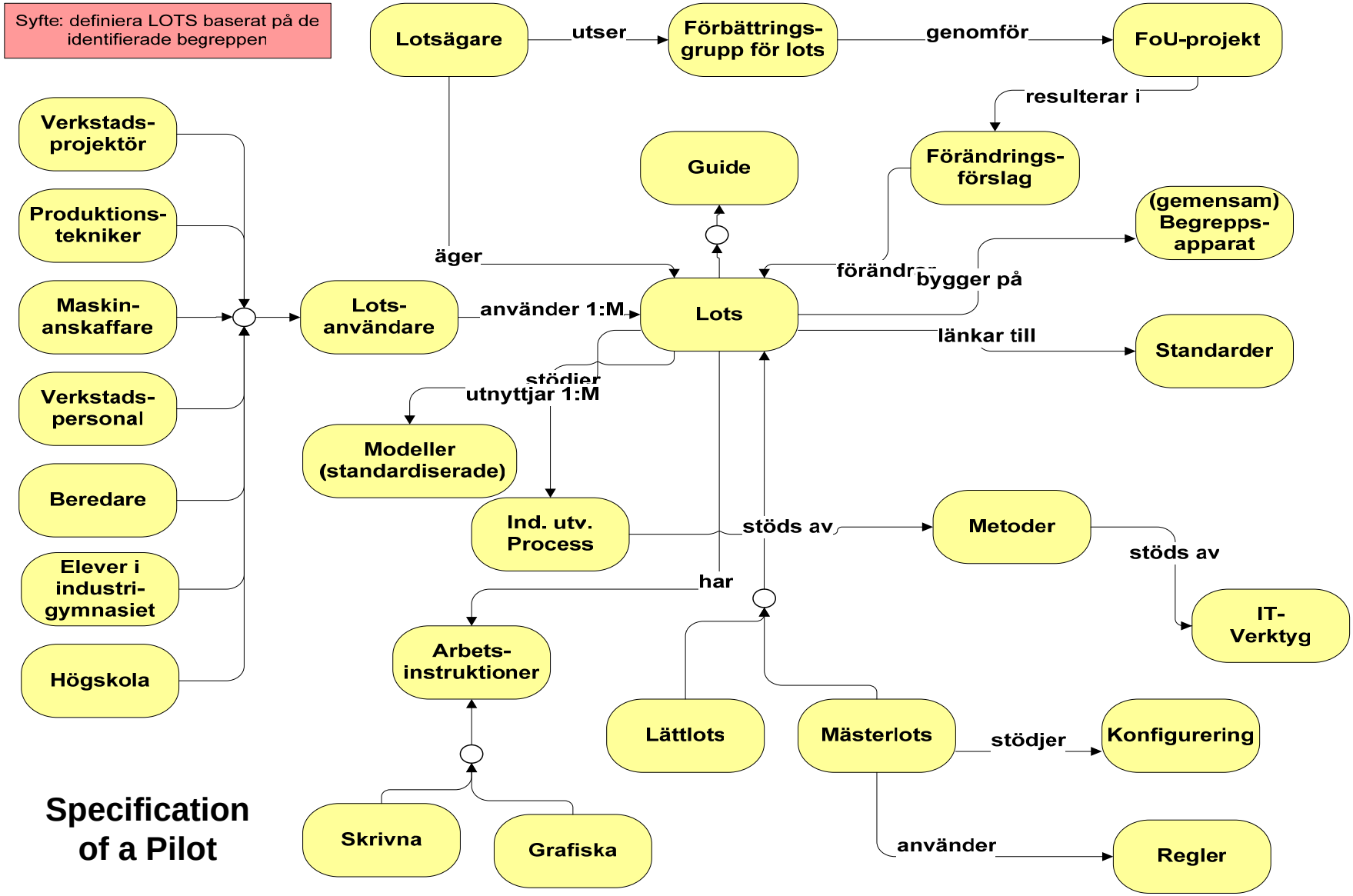
PIL – ProduktionsInvesteringsLotse (Production Equipment Investment Pilot)

FBL - FörBättringsLotsen (Continious Improvement Pilot)

MIL Modellerings- och IT-Lotsen (Modelling and Investment Pilot)

Modelldriven Artikeltillverkning – ModArt 2006 11 07

Syfte: definiera LOTS baserat på de identifierade begreppen



Specification of a Pilot

Modelldriven Artikeltillverkning – ModArt 2006 11 07

STEP 1 mainly 2006:

The future needs is described

1. Real parts from industry are used as reference
2. Common methods for modelling are used
3. Generic and configurable development processes are developed
4. Generic information and data models are defined/developed

STEP 2 mainly 2007 :

The future systems is specified

1. IT Systems on the market are evaluated.
2. Existing standards are evaluated.
3. Existing technology for system integration is evaluated.
4. Proposal for the future systems is specified:

STEP 3 mainly 2008 :

Implementation and information

1. Pilots in ”light version Pilots” for Education
2. Advanced Configurable Pilots for application in industry
3. Demonstration and evaluation of installations
4. Seminars and Conferences

Visit ModArt Homepage

http://modart.iip.kth.se