

AQUAINT:
Intelligence Production Process
Models, KBs, Ontologies

6-Month Workshop, Monterey, CA
12 June 2002





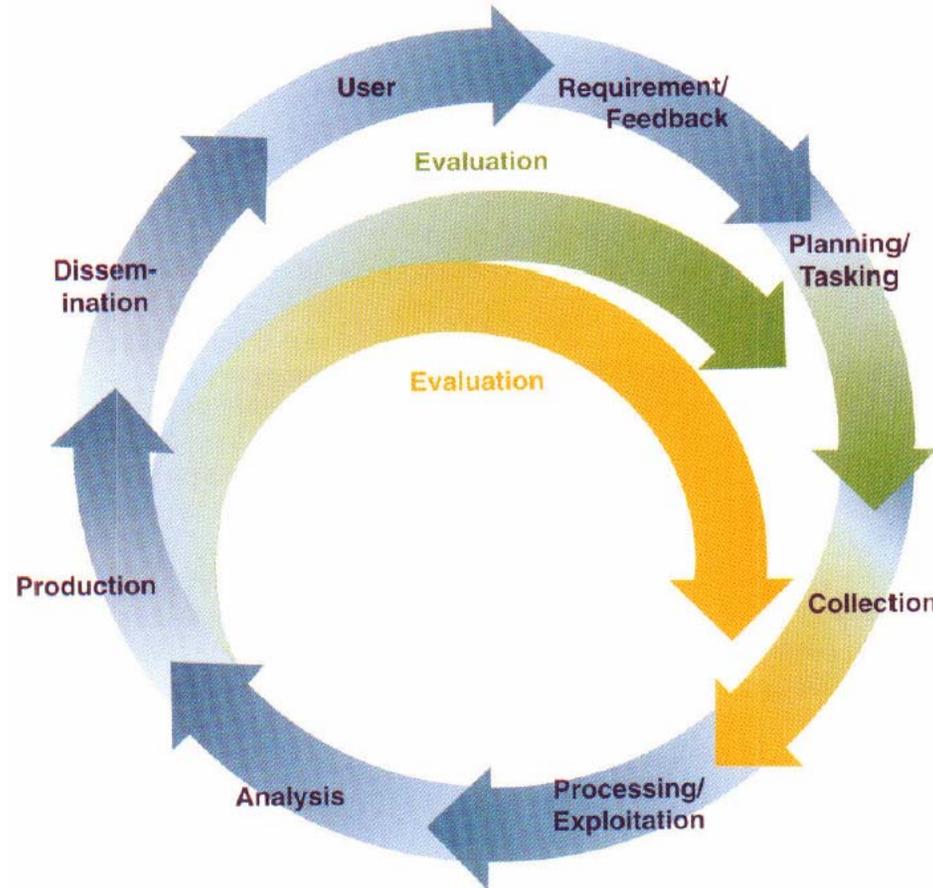
Objectives for Today

- Start a conversation on the Intelligence Production Process and how models of it can help advance the AQUAINT Program
- And maybe:
 - Identify a preliminary set of requirements for the models
 - Outline a plan for constructing the models



The Intelligence Production Process

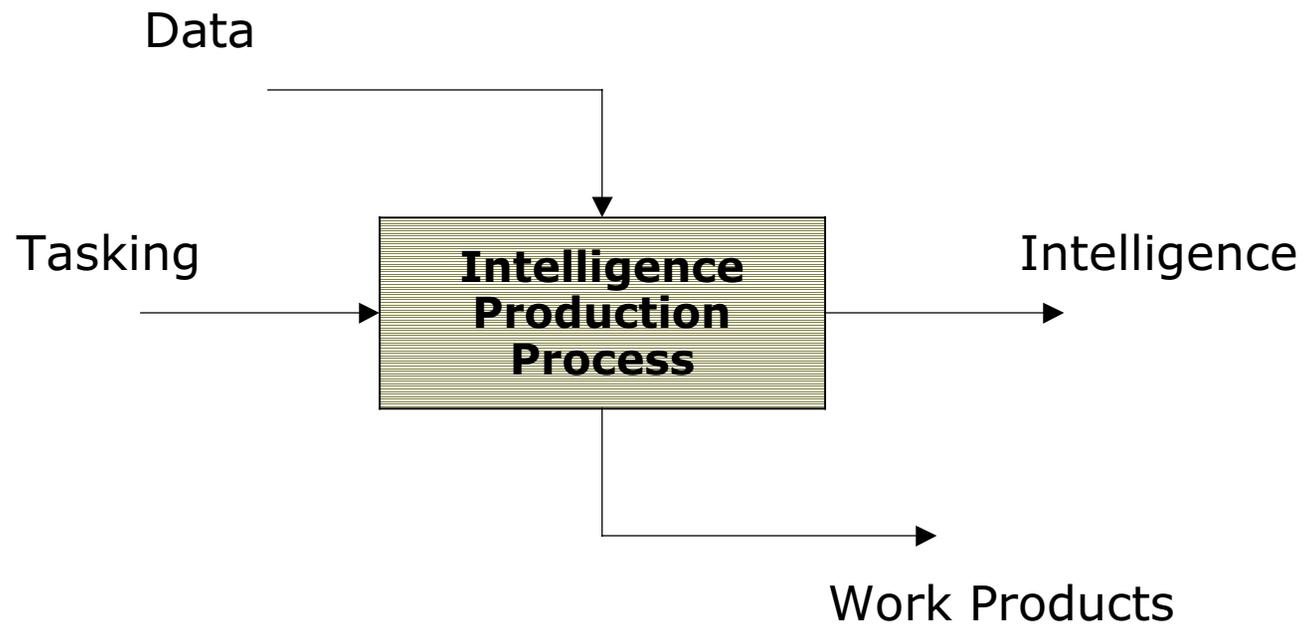
■ from: *Intelligence Essentials for Everyone*. Krizan, 1999.





A Definition

- The human mediated process by which data is transformed into actionable intelligence





Rationale for the IPPO

- Effective design and evaluation of Question Answering (Q/A) systems requires a formal understanding of the “business processes” they are intended to support
- The IPPO is a key element in such a formal understanding
- Ultimately the IPPO will become part of deployed Q/A systems enabling semantic interoperation between users and systems, and between systems and their components



Components of the IPPO

- Processes
- Objectives
- Data sources
- Security
- Analysis methods
- Hypotheses
- Questions
- People
- Information artifacts
- Information systems
- Uncertainty
- Workflow
- Argumentation
- Answers



Related Work

- PSL
- DAML-S
- Large body of literature on the nature of intelligence production and analytic methods
- OpenCyc
- IEEE-SUO
- ???



Discussion!



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