

The background of the slide is a light gray gradient, decorated with numerous realistic water droplets of various sizes. Some droplets are large and prominent, while others are small and subtle. They are scattered across the slide, with a higher concentration in the top-left and bottom-right corners.

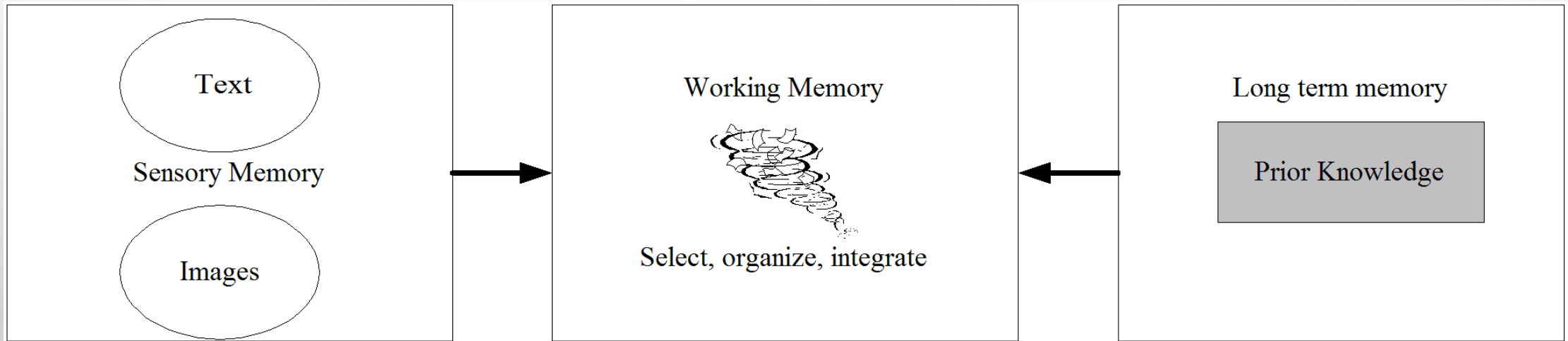
A SOCIO-TECHNICAL VIEW OF AI AND DECISION- MAKING

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HUMAN COGNITIVE PROCESSING



THE SOCIO-TECHNICAL PERSPECTIVE

- SELECT
 - WHAT'S IMPORTANT TO ME?,
 - WHAT'S IMPORTANT TO THE ORGANIZATION?
 - WHAT COULD BE THE IMPACT ON STAKEHOLDERS?
- ORGANIZE
 - HOW MUCH DO I TRUST THE DATA?
 - HOW MUCH DO I TRUST THE ANALYSIS?
- INTEGRATE
 - EQUITY AND FAIRNESS
 - PROGRAM RESULTS
 - LONG-TERM ORGANIZATIONAL AND SOCIAL OUTCOMES

THE IMPORTANCE OF PRIOR KNOWLEDGE

- DECISIONS IN ORGANIZATIONS ARE BASED ON “ORGANIZATIONAL KNOWLEDGE”
- ORGANIZATIONAL KNOWLEDGE IN MOST ORGANIZATIONS IS SOCIALLY CONSTRUCTED
 - RESEMBLES A SERIES OF PROPOSITIONS...”IN THIS SITUATION IF THIS OCCURS DO THIS”
- STRATEGIC-LEVEL DECISIONS COULD BE BASED ON “PATTERN-MATCHING” AS OPPOSED TO A RULE-BASED APPROACH ...DEPENDS ON EXPERIENCE
- OPERATIONAL-LEVEL DECISIONS ARE PROGRAMMABLE, MORE AMENABLE TO RULE-BASED PROCESSING
- PRIOR KNOWLEDGE OF THE CONTEXT, ABOUT DECISION-MAKING, & ABOUT AI PLAYS A ROLE IN HOW MUCH A RULE-BASED SYSTEM IS TRUSTED FOR IMPORTANT DECISIONS