Input

- **Human Member Characteristics**
  - Expertise and Knowledge
  - Cognitive Styles and Abilities
  - Trust and Confidence
  - Demographics and Individual Differences
- **AI System Attributes**
  - Roles and Functionality of AI
  - Transparency and Explainability
  - Confidence and Uncertainty Communication
  - AI Biases and Limitations
  - Communication Style and Modality
- **Contextual Factors**
  - Task Characteristics
  - Group Structure and Dynamics

Processing

- **Information Search and Retrieval**
  - AI-Assisted Data Access and Synthesis
  - Idea Generation and Creative Exploration
- **Communication and Information Sharing**
  - AI-Mediated Communication Systems
  - Transactive Memory and Knowledge Sharing
  - Agent Communication Strategies
- **Information Integration and Consensus Formation**
  - Influence of AI on Deliberation and Argumentation
  - Shared Mental Models in Human-AI Teams
  - Cognitive Load and Cognitive Forcing Functions
  - Human-AI Complementarity Mechanisms

Output

- **Decision Quality**
  - Accuracy and Effectiveness
  - Innovation and Creativity
  - Decision Speed and Efficiency
- **Group Performance**
  - Complementarity and Synergy in Human-AI Teams
  - Workload and Cognitive Load
  - Team Dynamics and Cohesion
- **Trust and Reliability**
  - Calibration of Trust in AI
  - Reliability and Error Management
  - User Satisfaction and Acceptance