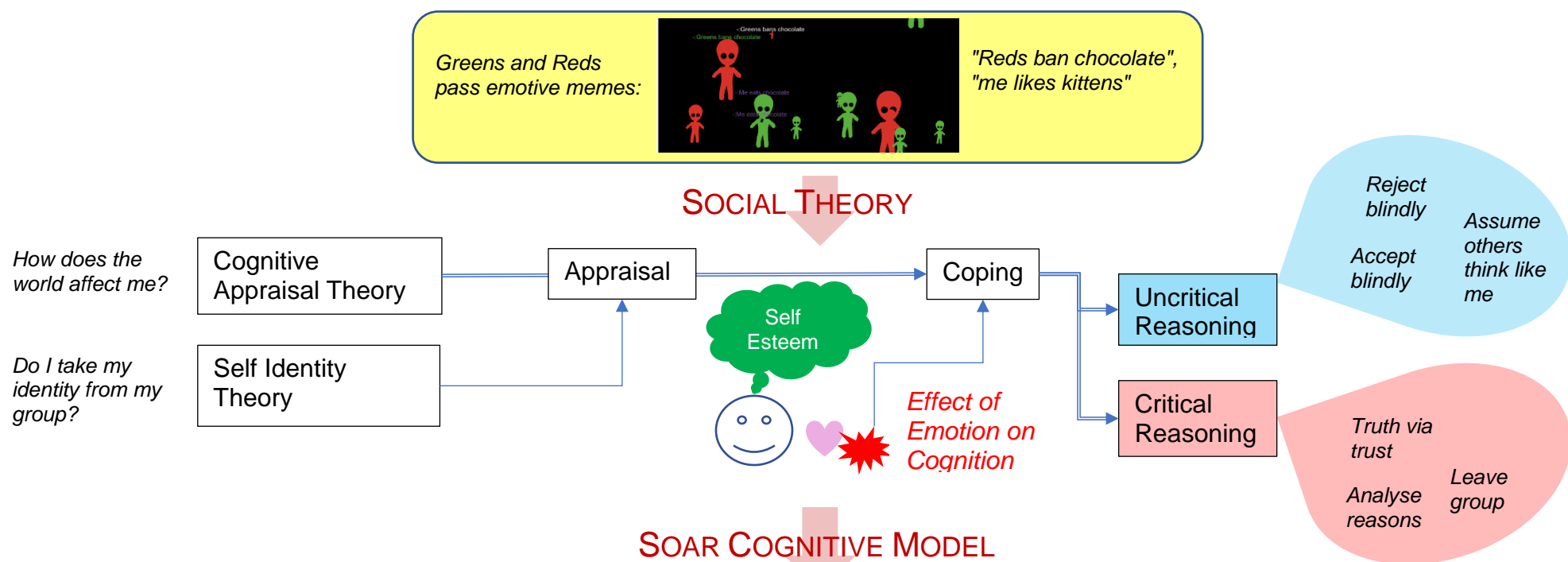


# Demonstrating a Framework for Modelling the Effect of Emotion on Uncritical Reasoning

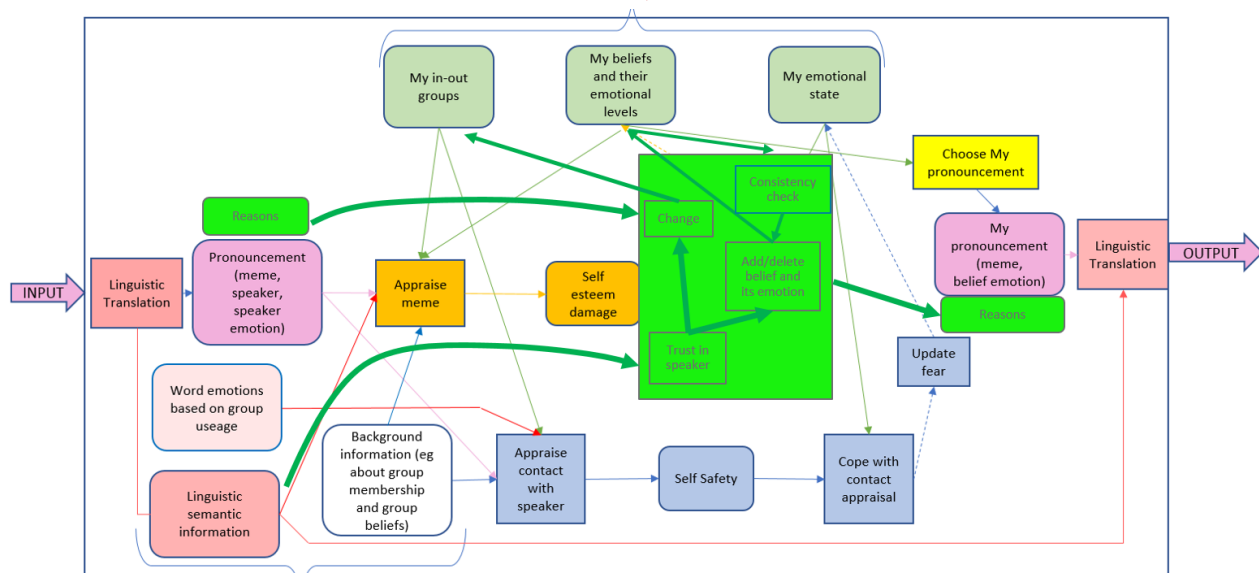


David Mott, Graham White (IBM UK), Cheryl Giammanco (ARL)

Modelling and predicting the behaviour of External Groups to help achieve beneficial interventions

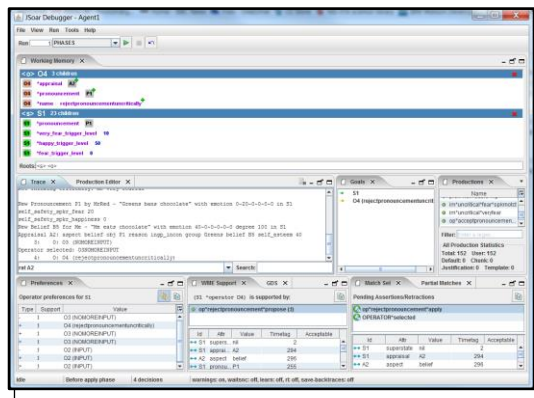


## SOAR COGNITIVE MODEL

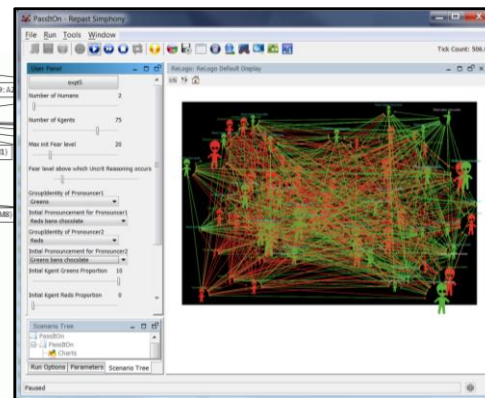


## IMPLEMENTATION

Soar "KAgents"



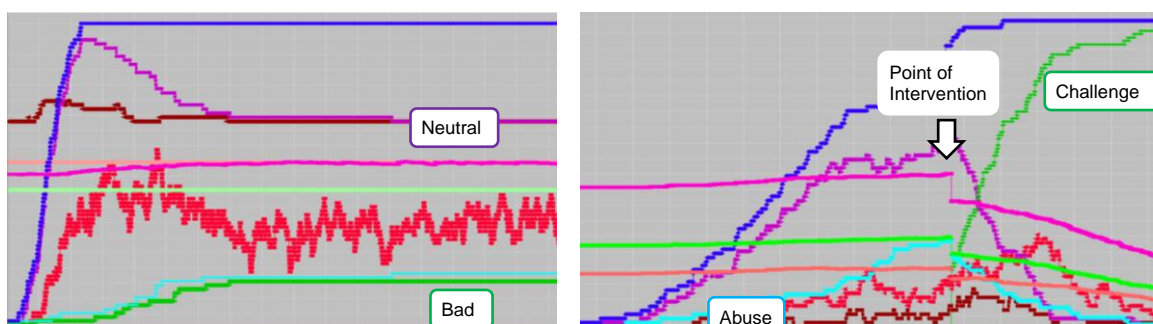
Integration



REPAST Simphony

## INITIAL EXPERIMENTATION

- Passing emotional memes**
- Uncritical thinkers hold bad memes about their out-group (green, blue)
  - Critical thinkers hold neutral memes (purple)
  - Critical thinking (brown) rises then reduces as fear increases (light purple)



- False consensus (In Progress)**
- Uncritical thinkers assume in-group norm to verbally abuse the out-group (blue)
  - Challenging assumption of group norm (green) reduces passing of abuse



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