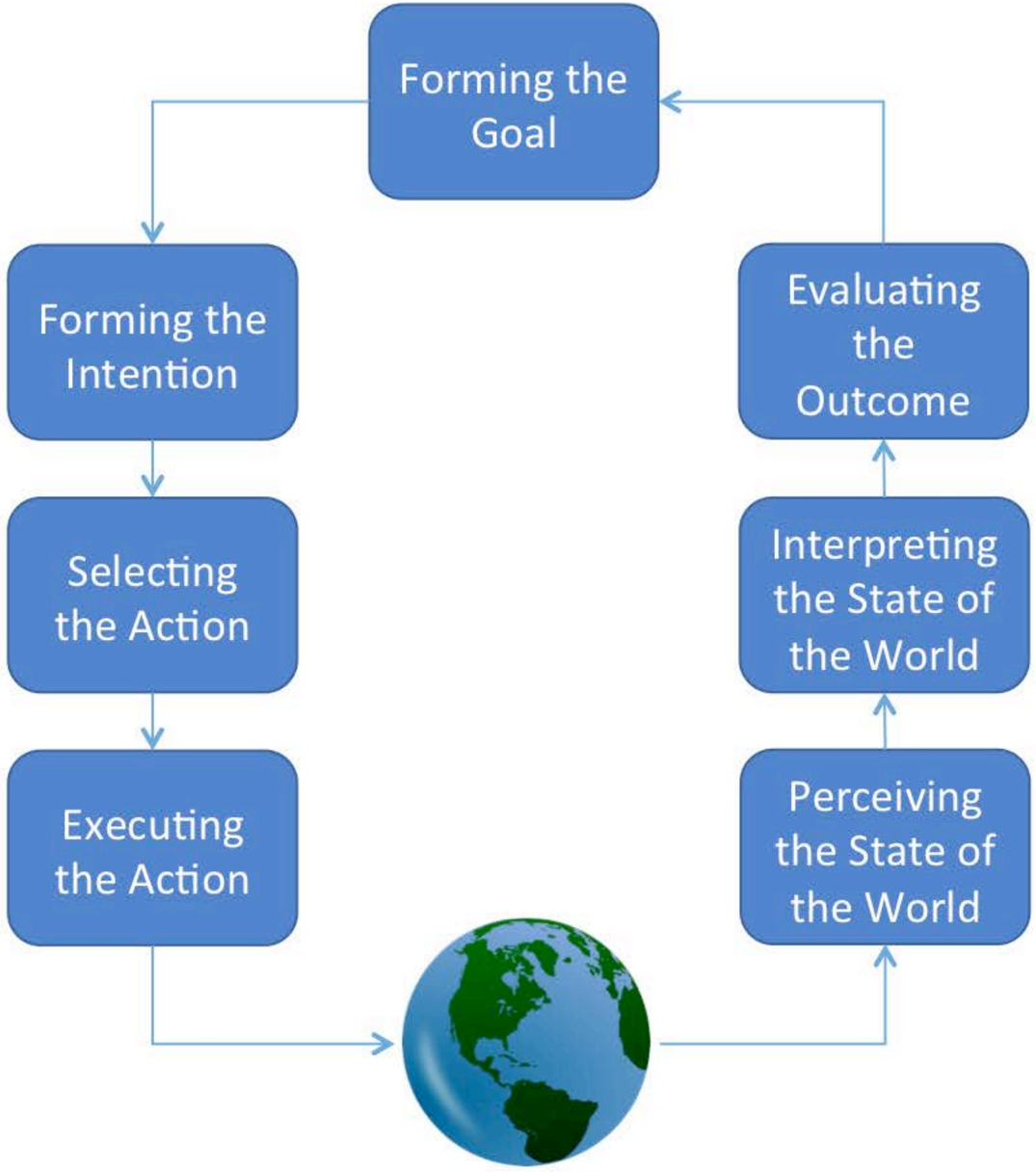
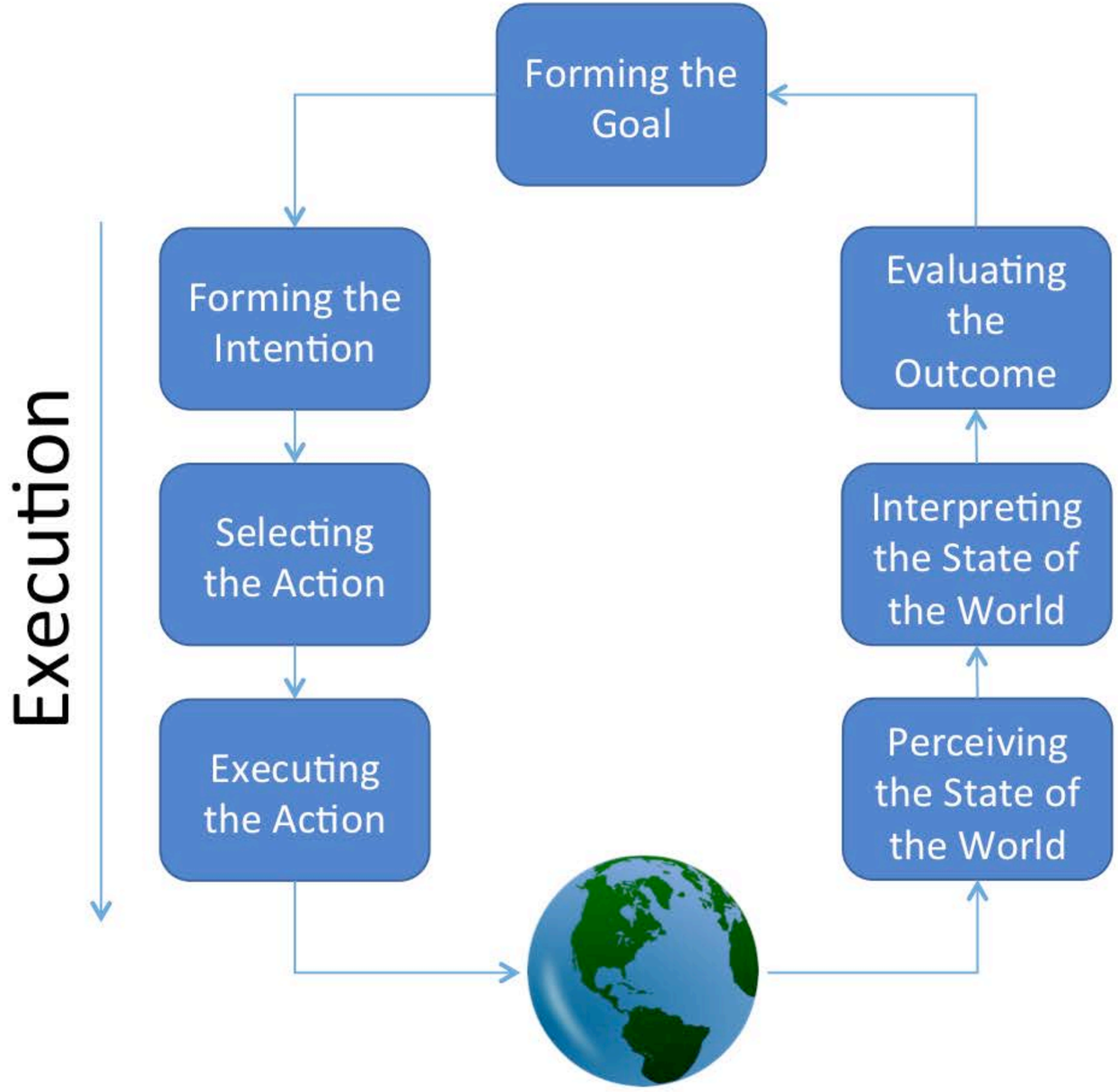
How things break down


Forming the Goal
Forming the Intention
Selecting the Action
Executing the Action
Perceiving the State of the World
Interpreting the State of the World
Evaluating the Outcome


Forming the Goal
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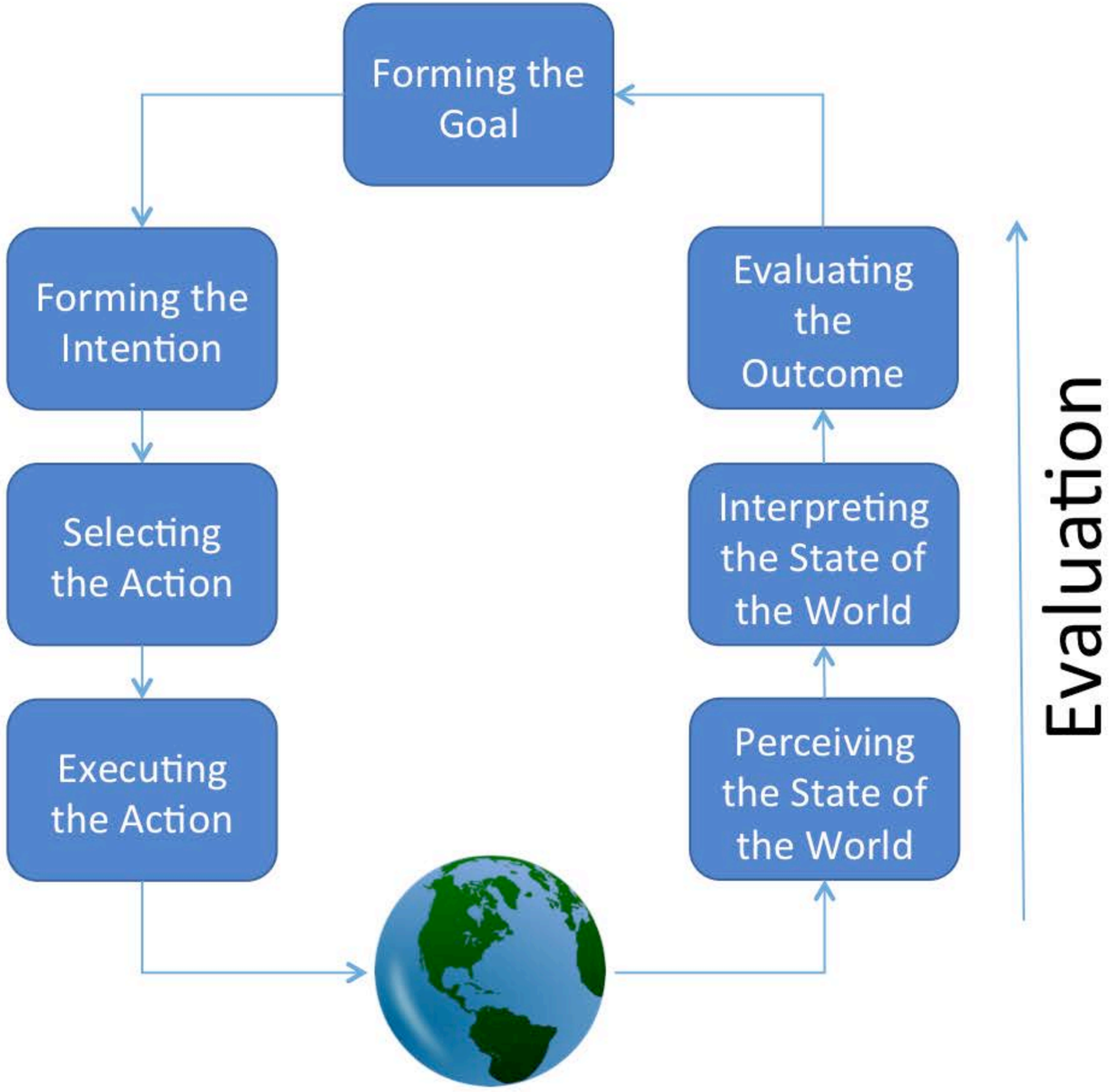
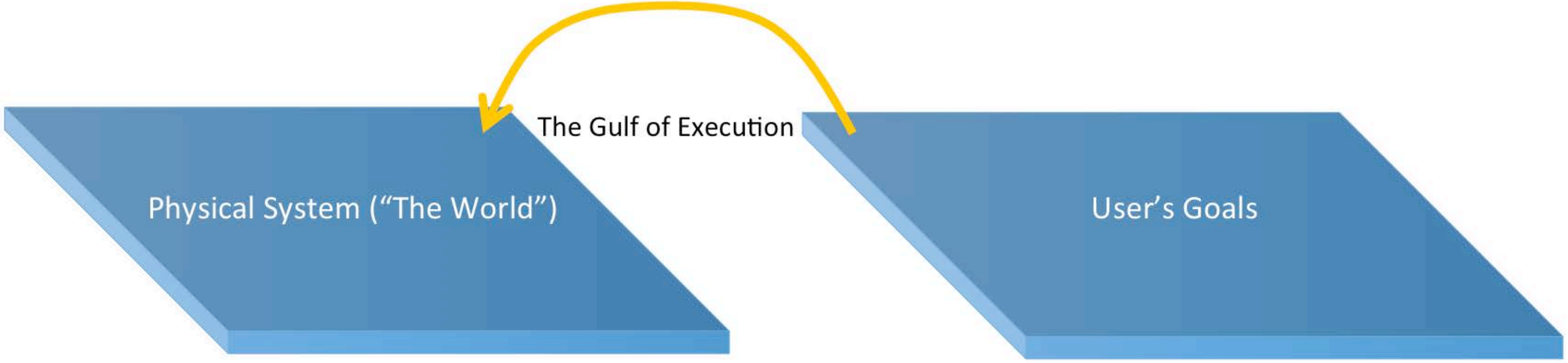
Evaluating the Outcome
Execution


Forming the Goal
Forming the Intention
Selecting the Action
Executing the Action
Perceiving the State of the World
Interpreting the State of the World
Evaluating the Outcome
Evaluation

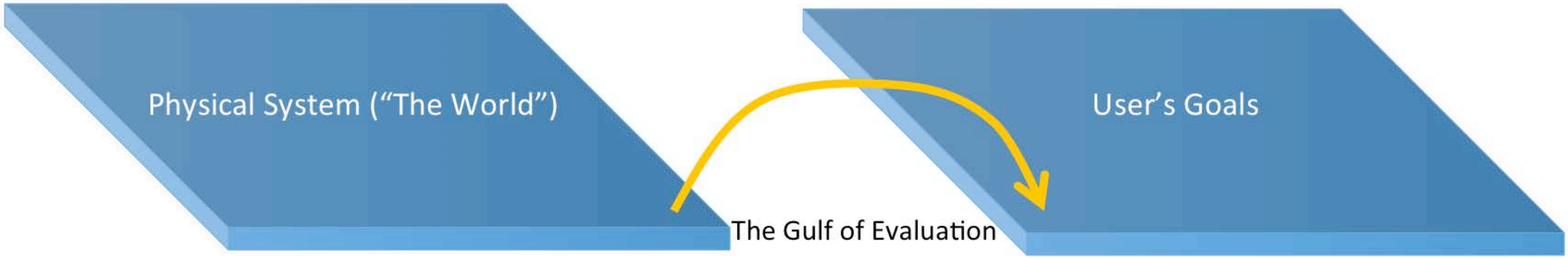
The Gulfs


The Gulf of Execution
Physical System ("The World")
User's Goals

Gulf of Execution

Gulf of Execution: Bridging

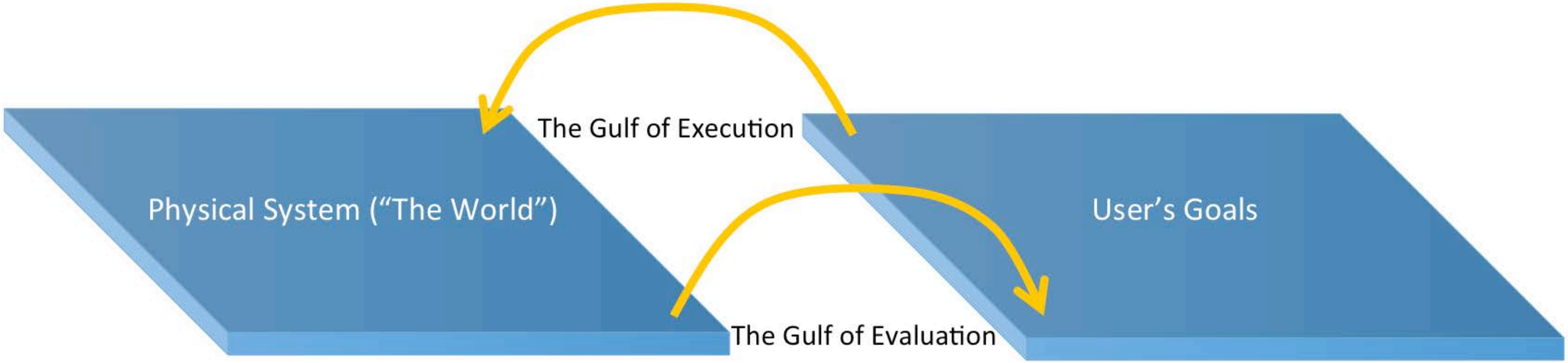
The Gulfs of Execution and Evaluation



Gulf of Evaluation

Gulf of Evaluation: Bridging

The Gulfs of Execution and Evaluation



Bridging the Gulfs

- Understand
  - Users' goals
  - How they think about accomplishing them
- Make sure likely actions are
  - Visible when needed
  - Make sense
- Make sure the results of actions
  - Are visible
  - Make sense

End Second Lecture