Science for Decision Support:
Supporting Scientific Assessments

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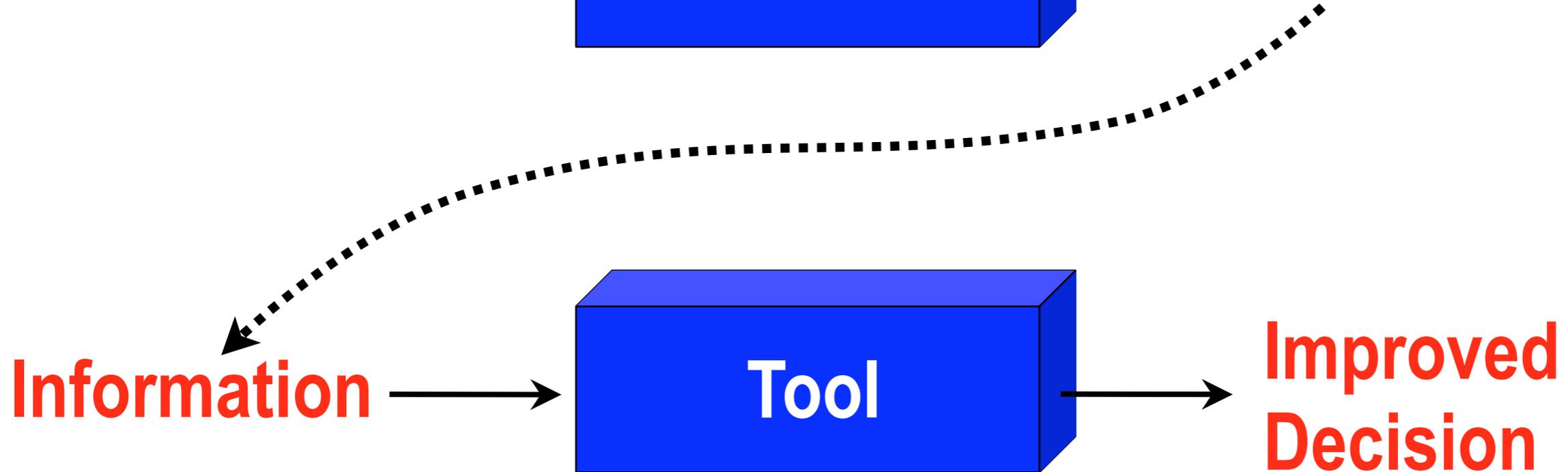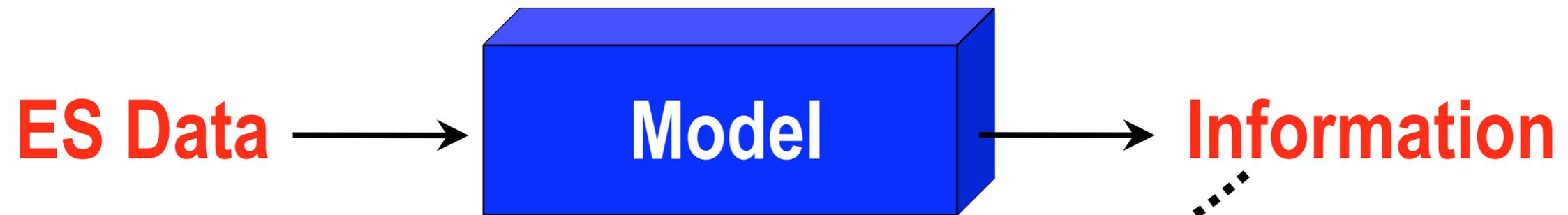
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Scientific Assessments

- What is a scientific assessment?
  - *"not assessment with a capital 'A', lowercase assessments"*--Woody
  - Examples:
    - *estimating fish stock abundance*
    - *estimating distribution of an endangered species*
    - *forecasting harmful algal blooms*
    - *estimating fire danger*

Scientific Assessments

General Charge

- Purpose:
    - identify opportunities and priorities for NASA
    - raise issues or concerns for the Focus Area to address.
    - Consider the ability of upcoming NASA missions to address these scientific topics.

Science for Decision Support

- What are the most important science questions to address?

- Which are especially "ripe" with a high likelihood of producing major results?

- Is there a need for additional coordination of existing research activities?

- What are the most promising opportunities for interdisciplinary collaboration?

- Where will there be strong societal benefit?

Specific Questions

- Candidates for near-term or long-term applications?

- What are the barriers to using ES data/models in decision support?

- What resources are required to develop ES-enhanced decision support tools?