



***Key Topics on Revision 6 of the
PR&PP Methodology Report***

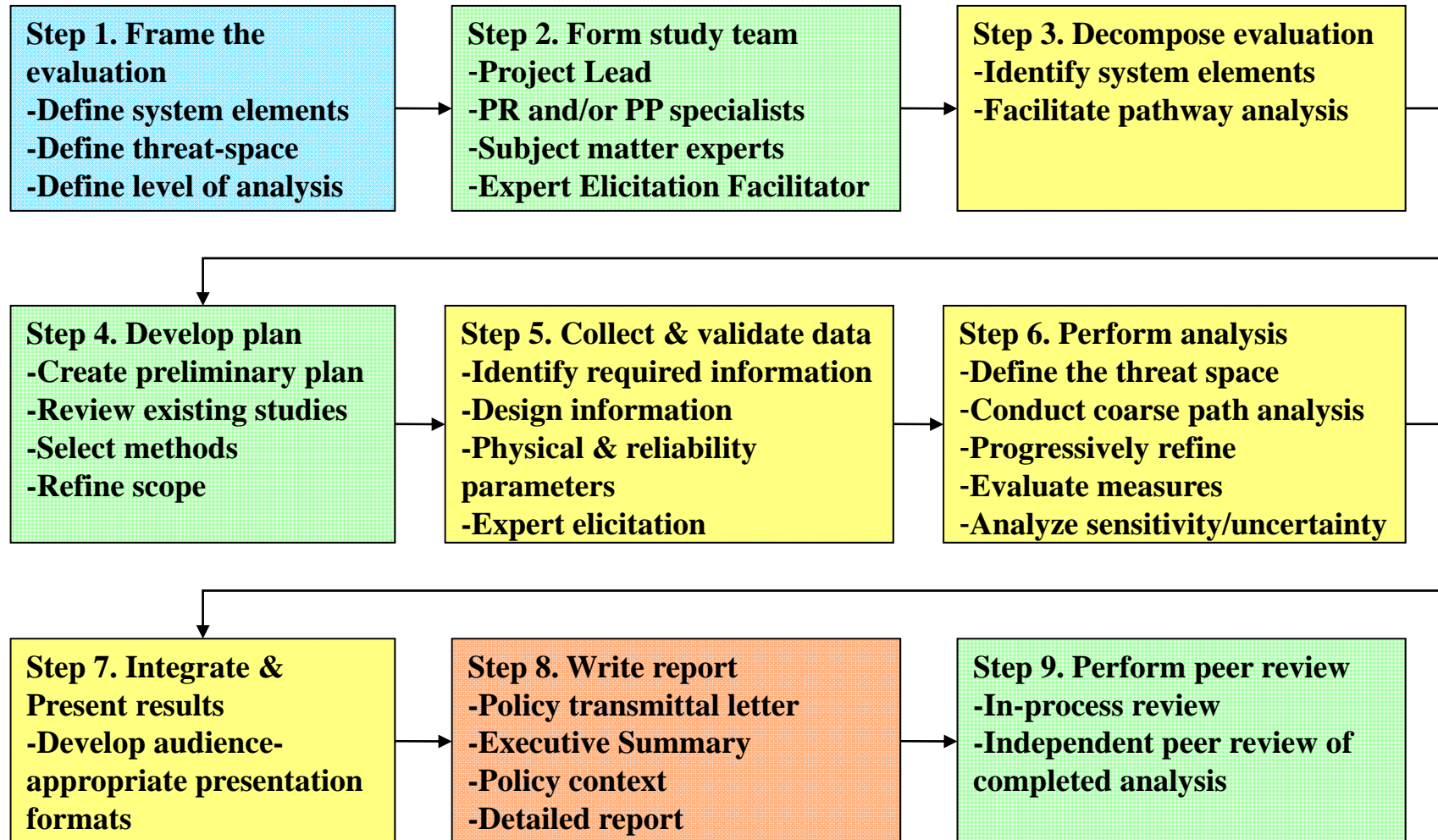
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Key Topics for Revision 6 of Methodology

- ***User guidance***
- ***Expert elicitation process***
- ***Metric selection***

User Guidance



PR&PP Framework

Threat Definition System Element Identification		Threat Definition System Element Identification Target Identification and Categorization Pathway Identification and Refinement	Estimation of Measures	Pathway Comparison System Assessment and Presentation of Results	System Assessment and Presentation of Results
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Formal Expert Elicitation Process

Identification and Selection of Issues	Identification, Selection and Training Experts	Development of Specific Questions and Assumptions	Elicitation of Expert Judgment	Analysis, Aggregation and Resolution of Conflicts Between Experts	Documentation and Communication of Results
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PR&PP Implementation Steps

1. Frame the evaluation; 2. Form study team; 4. Develop plan.	2. Form study team.	3. Decompose evaluation; 5. Collect & validate data.	6. Perform analysis; 7. Integrate & present results; 8. Write report.	7. Integrate & present results; 8. Write report.	8. Write report; 9. Perform peer review.
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Metric Selection

- ***Focus of Revision was on Proliferation Resistance (PR)***
- ***Meaning of PR is given in by 6 measures:***
 - ***Technical Difficulty***
 - ***Detection Probability***
 - ***Material Type***
 - ***Proliferation Cost***
 - ***Proliferation Time***
 - ***Safeguards Cost***
- ***Metrics are the quantitative realization of measures***
 - ***Example: for the measure of height, a metric is meters***
- ***After Revision 5 was issued, evaluations were performed and was research conducted which suggested that further guidance is needed on selection of metrics***

Metric Selection (2)

- ***The metrics of particular interest are:***
 - ***Detection Probability*** → ***Absolute vs. Relative Probability***
 - ***Material Type*** → ***Recent work on figures of merit***
 - ***Proliferation Cost*** → ***How to scale to national resources***
 - ***Safeguards Cost*** → ***Inclusion of inspection costs***
- ***Technical difficulty and proliferation time also important considerations, but no significant refinement of metrics in Revision 6.***