

## A methodology to study and improve a development service such as irrigation, food security or public health.

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	<b>Objectives/Tasks</b>	<b>Method</b>	<b>Outcome</b>
<b>A</b>	<b>Basic Societal Concern</b>	<b>Public and popular literature and data.</b>	<b>Outline of the problem or failure, the geography and sector. Attributed reasons and analysis.</b>
<b>B</b>	Choice of Development Paradigm.	Literature survey, textual analysis	Development Indices and ways of delivery- policy, state agency, NGO, market etc.
<b>C</b>	Relevant development service and its importance.	Literature survey. Regional data-sets and analysis.	Arguments and pathways of impact of development service. Changing circumstances such as climate change.
<b>D</b>	Description of the agency/agencies	Study of policy documents, guidelines, regional data. Scientific papers.	Authority and Mandate. Organization of the service. Key developments in the history of the service. Agents and procedures. Demand and its representation. Conceptual frameworks. Working data-sets. Scientific and social bases for the procedures. Current delivery of value and social profit-and-loss.
<b>E</b>	Selection of sub-program, level of service and gaps.	Data, preliminary field work. Secondary field reports. Newspaper reports.	Outcome indicators. Attributes of service. Choice of attribute and sub-program chosen for analysis. Preliminary analysis of failure. Geography and extent.
<b>F</b>	Failure description.	Field work. Scientific analysis.	Selection of a panel of failure locations. Stakeholder diagram. Data collection and analysis strategies. Deeper description of the failure. Various components contributing to failure. Causes of failure and their exploration.
<b>G</b>	Coping Mechanisms.	Interviews and analysis.	Documentation of current strategies - public, community and private. Social and technical analysis.
<b>H</b>	Analysis of agency response to failure.	Understanding M&E and R&D frameworks within agency. Interviews.	Mapping it to policy, practice and scientific reasons. Trajectory of failure in agency frameworks.
<b>I</b>	Mitigation measures and new proposals or procedures.	Review. Policy and Procedure Design. Existing scientific literature.	Selection of component to be addressed. Review of similar situations in other geographies. Design of new procedures, policies. New conceptual frameworks or adaptations. Supporting scientific arguments. Training manuals.
<b>J</b>	Verification.	Scientific reports, interviews with agency, secondary data, field reports.	Applicability of mitigation suggestions to existing panel of failures. Counter-factual analysis. Stakeholder opinions. Comparison with situation in other geographies.
<b>K</b>	Extensions.	Mini-study	Description of new scenario. Extension of work to new regimes.
<b>L</b>	Expansion.	Field work. Analysis.	Report on mitigation measures and their applicability on a new geography or new set of failures.
<b>M</b>	Conclusion.	Summarizing and wrapping up.	Actions to be taken. Stakeholder reporting. Big Picture arguments. Capsule outline of future work.