



## IFPRI BRIEF TEMPLATE

Check One:    **Project**                       **Review**                       **Collaboration**  
                    **Workshop**                       **Other (survey)**

<b>Descriptive Title</b>	Economic justification for particle technology
<b>Working Title<sup>1</sup></b>	Update and expand the Merrow report
<b>Technical Area<sup>2</sup></b>	Education and Advocacy
<b>Date</b>	25/6/19
<b>Short Description</b>	Produce a credible document that quantifies the economic value of particle technology and its impact on the future needs of the industry.
<b>Objectives</b>	In 1984/85 Ed Merrow, while working for the Rand Corporation, published some ground-breaking articles on the influence of solids processing steps on the effectiveness of capital projects. These articles have been widely cited as justification for particle technology competency and research, but the work is now 35 years old and its original scope was limited. This IFPRI proposal is intended to update the report with a broader scope.
<b>Scope</b>	Study should include capital projects involving particles and particle processes as well as R&D for process and product design. Quantifiable results (such as cost increases, schedule delays, lack of sales or loss of market share due to R&D project failures, etc) are required for capital projects and strongly desired for R&D. A forward-looking portion must be included that considers topics such as sustainability and green technology.

<b>Recommended Contractors (2 or 3)</b>		
Name	Institution	Email Address
Independent Project Analysis (IPA)		
Boston Consulting Group		
SRI (aka Stanford Research Institute)		

<b>Submitted By:</b>	
Name	Organization
Tim Bell	DuPont

<sup>1</sup> Title used in meeting agendas and file archives

<sup>2</sup> One or more from the following list: W = wet systems; D = dry systems; F = particle formation; SR = size reduction; M = modeling; SE = systems engineering

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