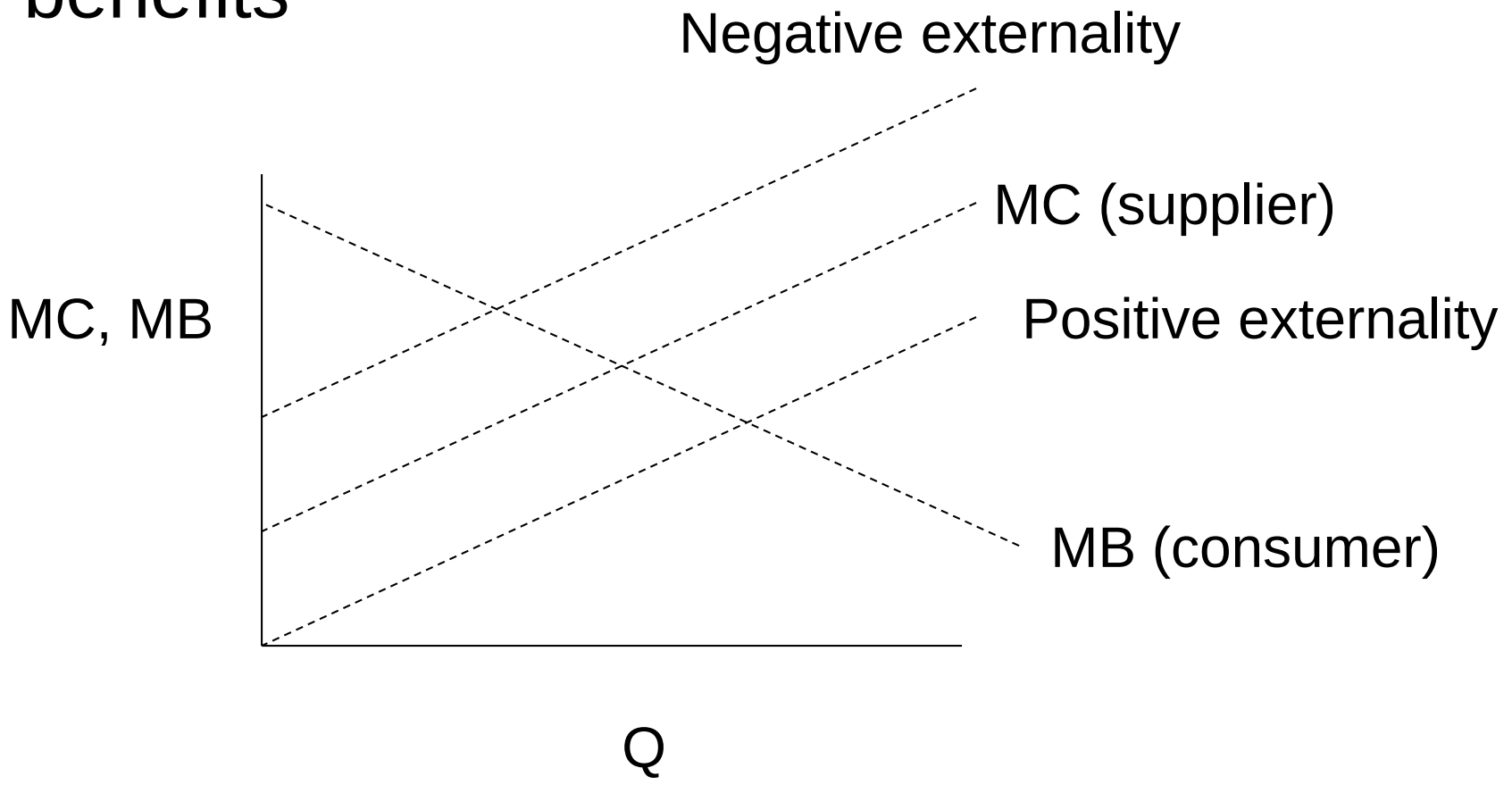
Advanced Materials: Lessons from Nano

Mark R. Wiesner

Director

wiesner@duke.edu

When externalities occur, the price does not capture all costs or benefits



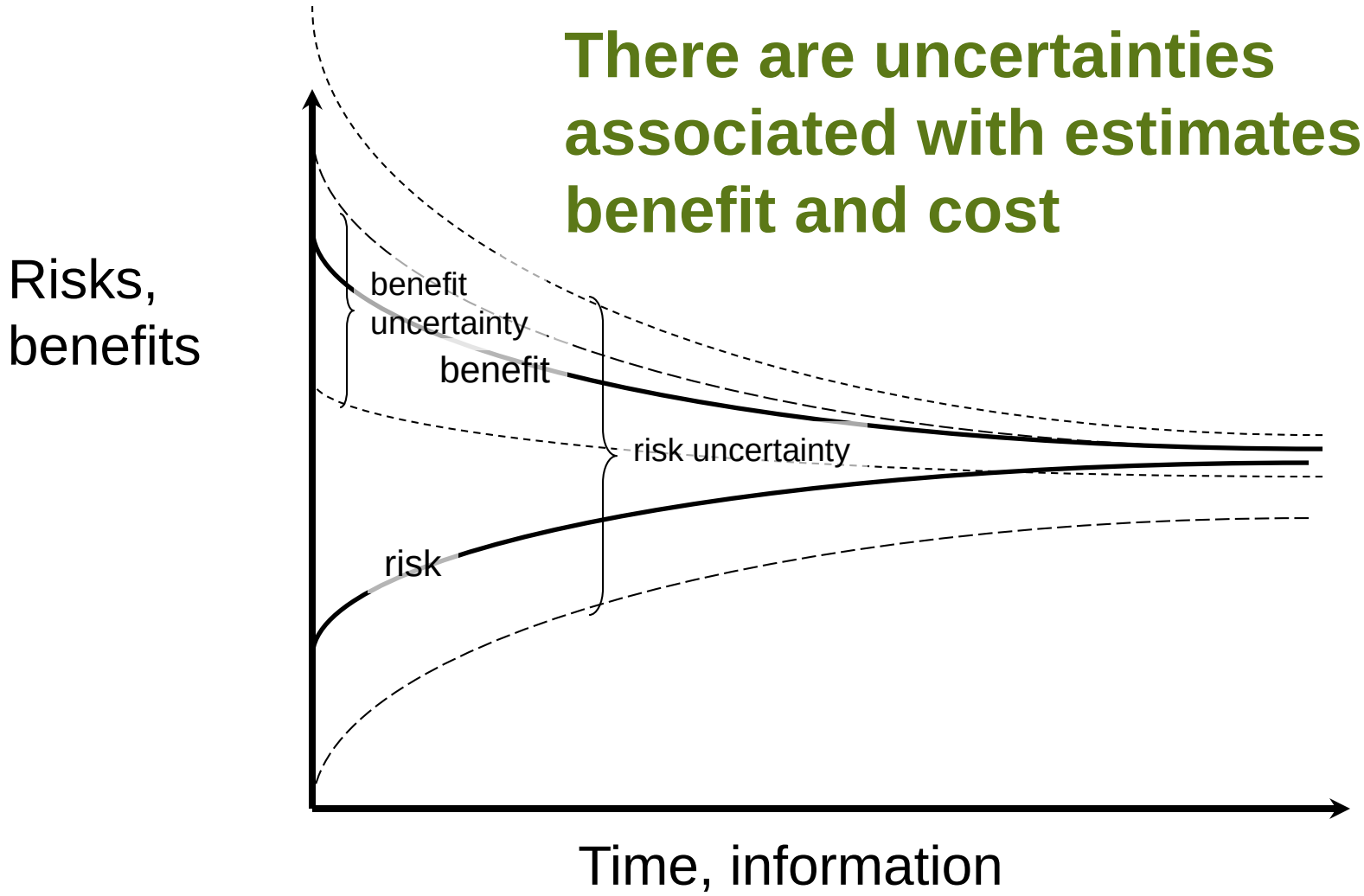
Producers, consumers, workers, general public as stakeholders

EHS research is a public good

A public good is a good that individuals cannot be effectively excluded from use and where use by one individual does not reduce availability to others.

Who are the consumers of this good?

There are uncertainties associated with estimates of benefit and cost



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A risk forecasting process for nanostructured materials, and nanomanufacturing

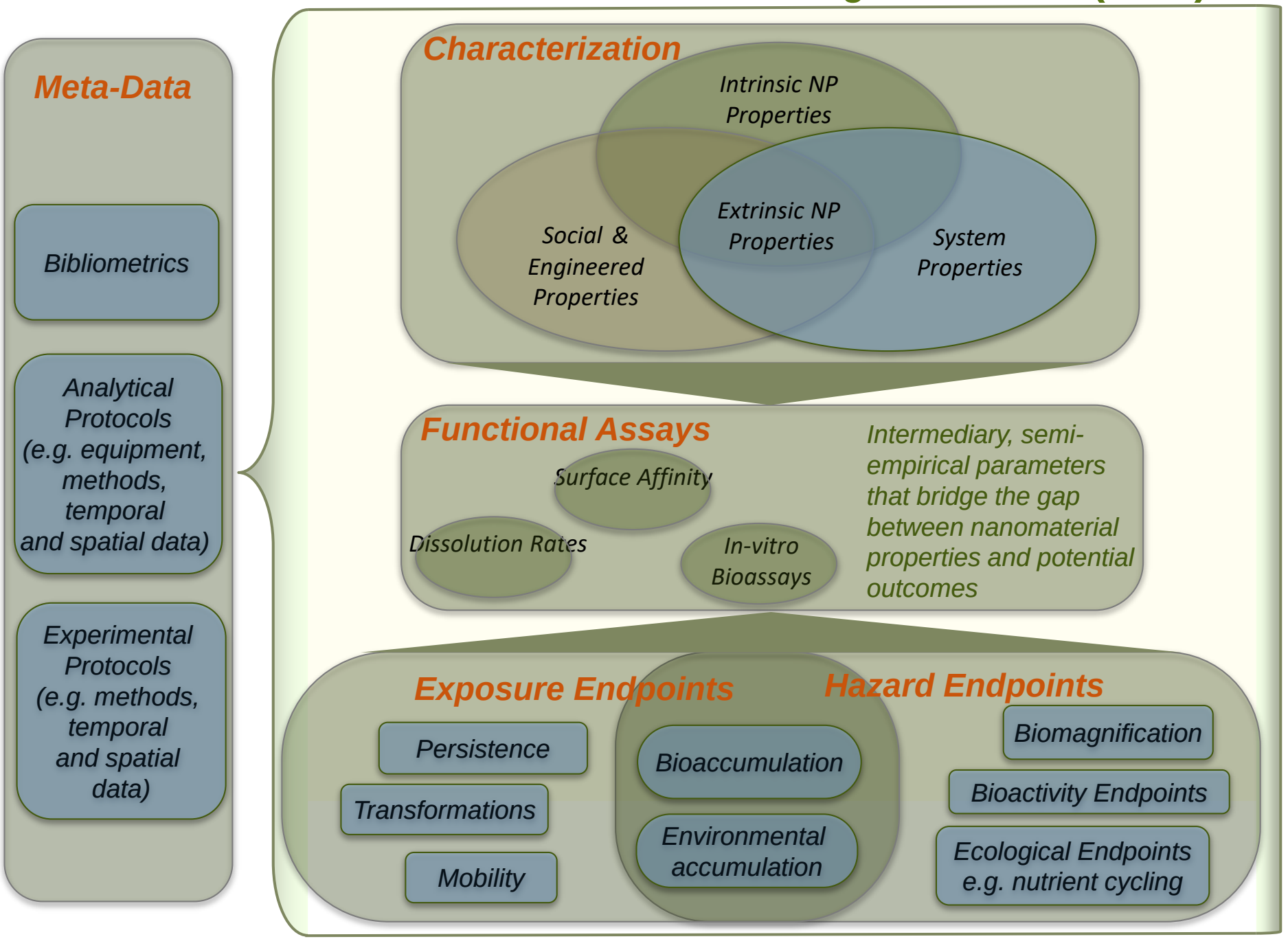
Un processus de prévision des risques pour les nanomatériaux et la nanofabrication

Mark R. Wiesner[a,c,d,*], Jean-Yves Bottero[a,b,c,d]

Reducing Uncertainty Through Data Sharing:

Example- The NanoInformatics Knowledge Commons

Data in the CEINT NanoInformatics Knowledge Commons (NIKC)



Populating Measurement Table

Accumulation of Nanosilver by Plant