GRADE DECIDE Evidence to coverage decision framework

ASSOCIAZIONE ALESSANDRO LIBERATI NETWORK ITALIANO COCHRANE

Applying DECIDE tools to coverage decisions in a national health service: a decision maker's perspective

Edinburgh 3rd June 2014

Carlo Saitto

Local Health Trust "RM C", Rome - ITALY

Just a few opening questions:

- What do we need as decision makers?
- What do we get from the DECIDE tool?
- What do we still lack?
- How do we know whether the DECIDE process is working?
- Where should we go next?

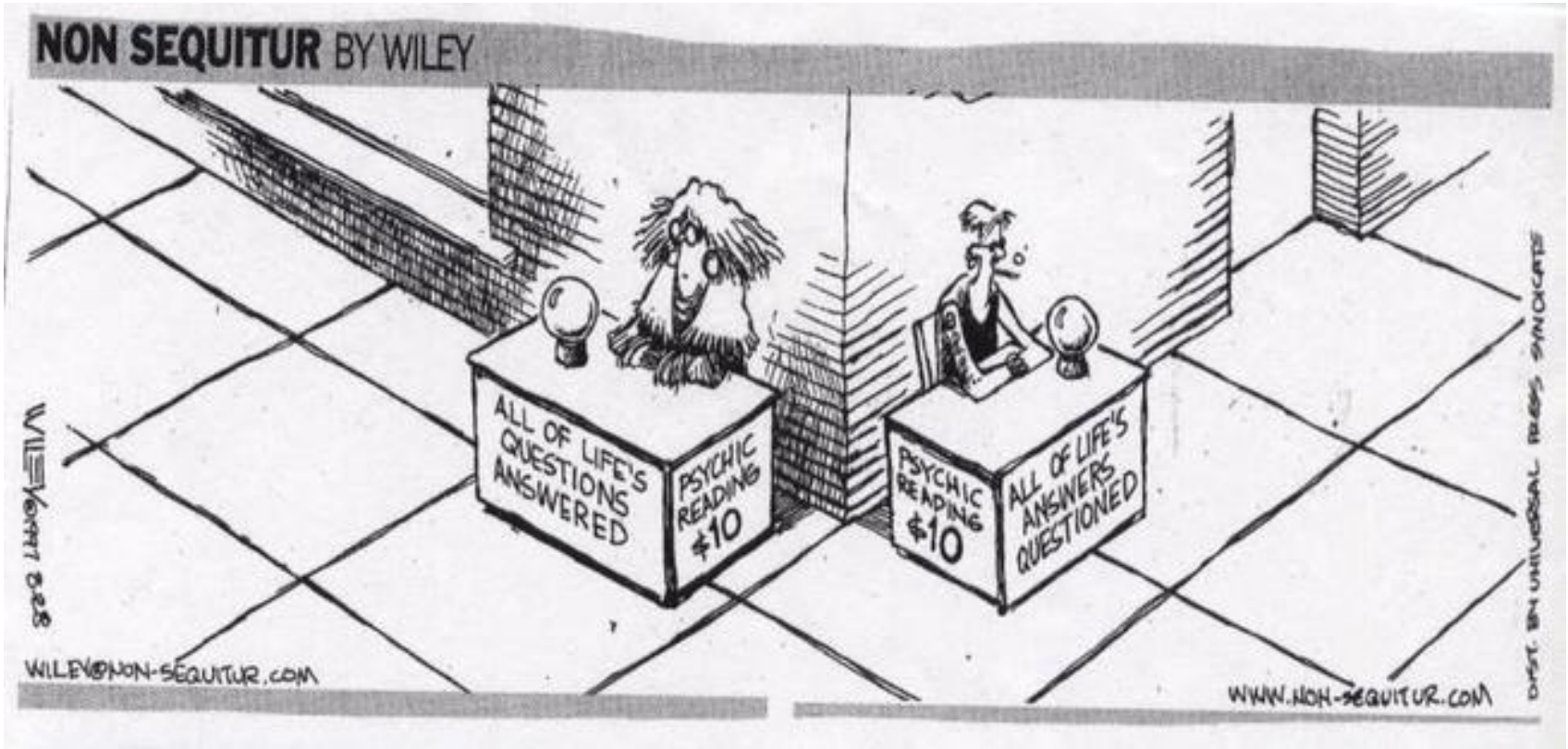
What do we need as decision makers?

- To pose relevant coverage questions
- To formulate the question in answerable terms
- To get an effectiveness based answer
- To get a timely, context-wise answer
- To assess the quality of the decision
- To assess the impact of the decision

To pose relevant coverage questions

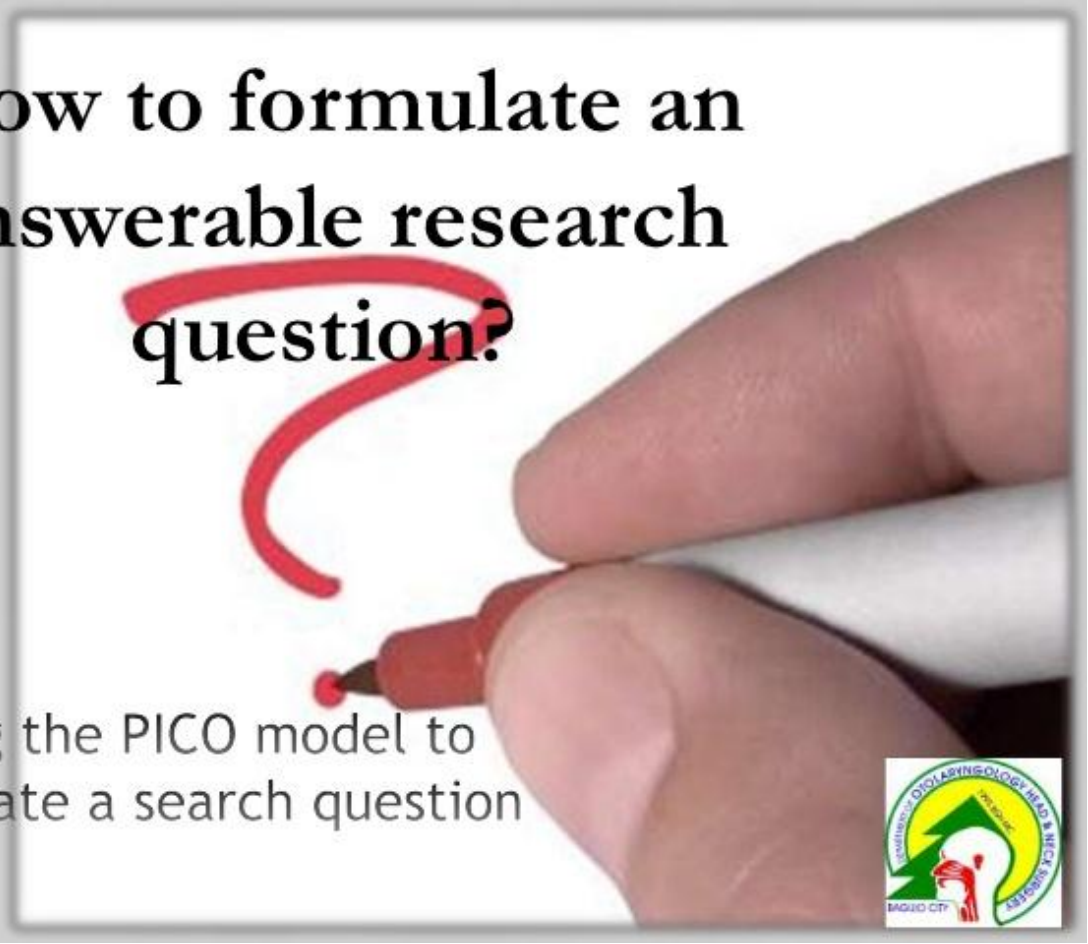
Intrinsic relevance vs. comparative relevance

Clinician driven vs. public health driven agenda



To formulate the question in answerable terms

How to formulate an answerable research question?

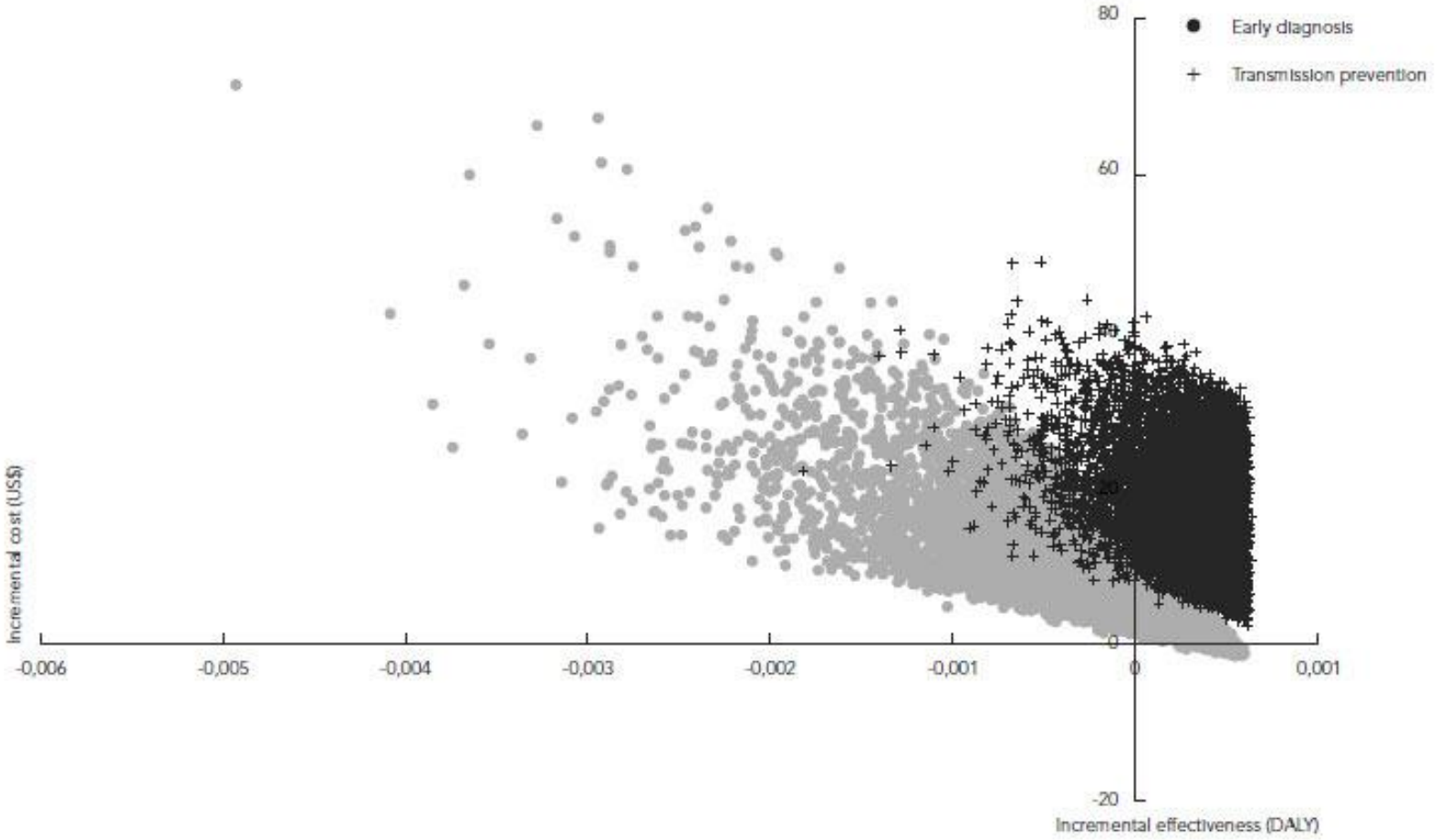


Using the PICO model to formulate a search question

PICO	
P: Population of interest	Patient or the problem to be addressed
I: Intervention	Exposure to be considered—treatments/ tests
C: Control	Control or comparison intervention treatment/placebo/standard of care
O: Outcome	Outcome of interest
FINER	
F: Feasibility	Sufficient resources in terms of time, staff, and funding Use of appropriate study design Manageable in scope Adequate sample size Trained research staff
I: Interesting	Interesting as a researcher or collaborator Investigator's motivation to make it interesting
N: Novel	Thorough literature search New findings or extension of previous findings Guidance from mentors and experts
E: Ethical	Following ethical guidelines Regulatory approval from Institutional Review Board
R: Relevant	Influence on clinical practice Furthering research and health policy

Figure 4

Cost-effectiveness plane that represents the 10,000 Monte Carlo simulations of the cost-effectiveness ratio for each new strategy.



To get an effectiveness based answer

To get a sound knowledge on any setting variable, non-patient and non-intervention related, for which evidence exists of a relevant role as a confounder or an effect modifier, i.e.

- Technological appliances
- Level of individual skills
- Amount of individual skills
- Quality of leadership
- Organisation features
- Amount of available resources

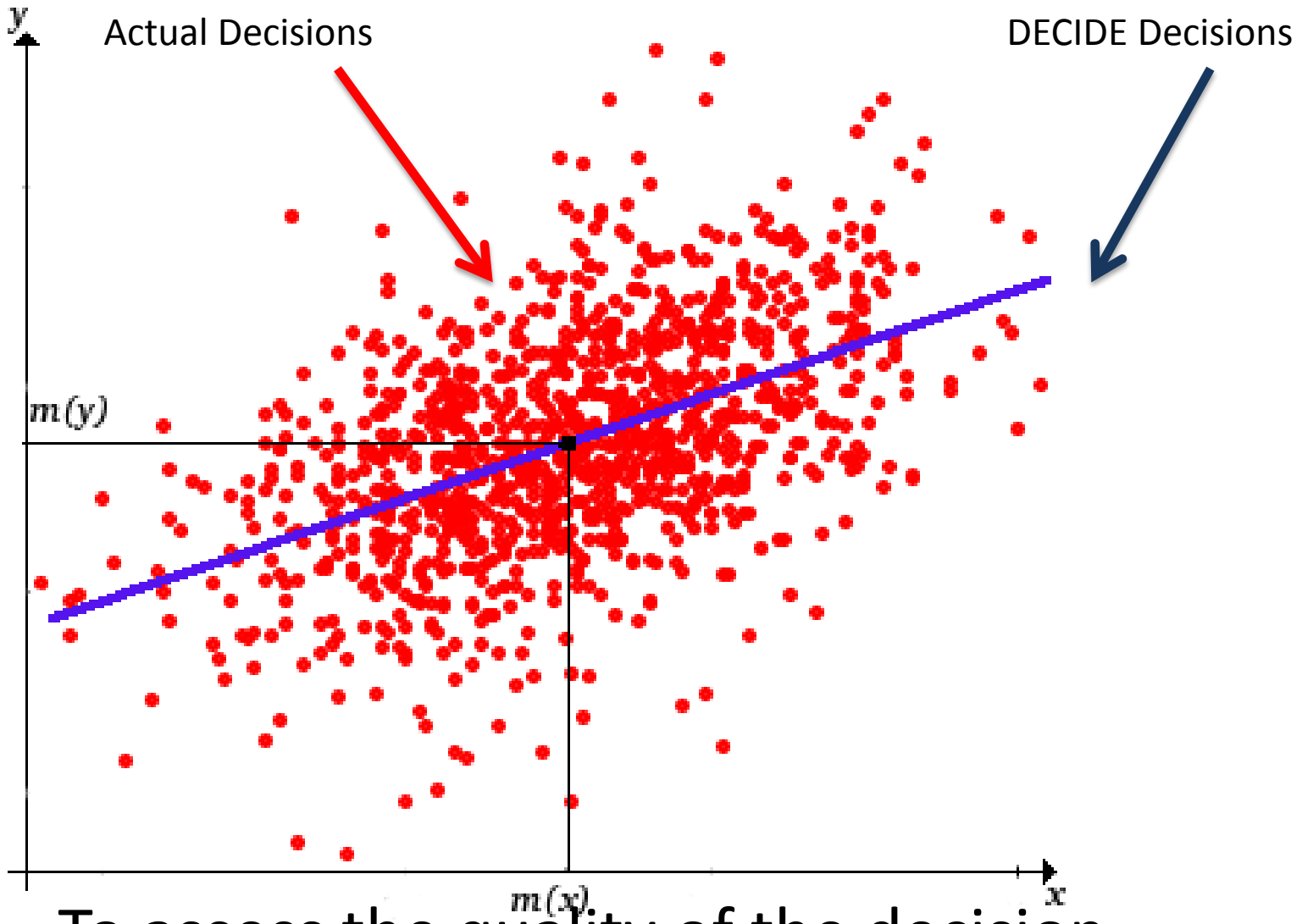
To get a sound knowledge on the presence and on the relevance of any of the effect-associated variables in the actual setting of the proposed intervention

To get a timely, context-wise answer

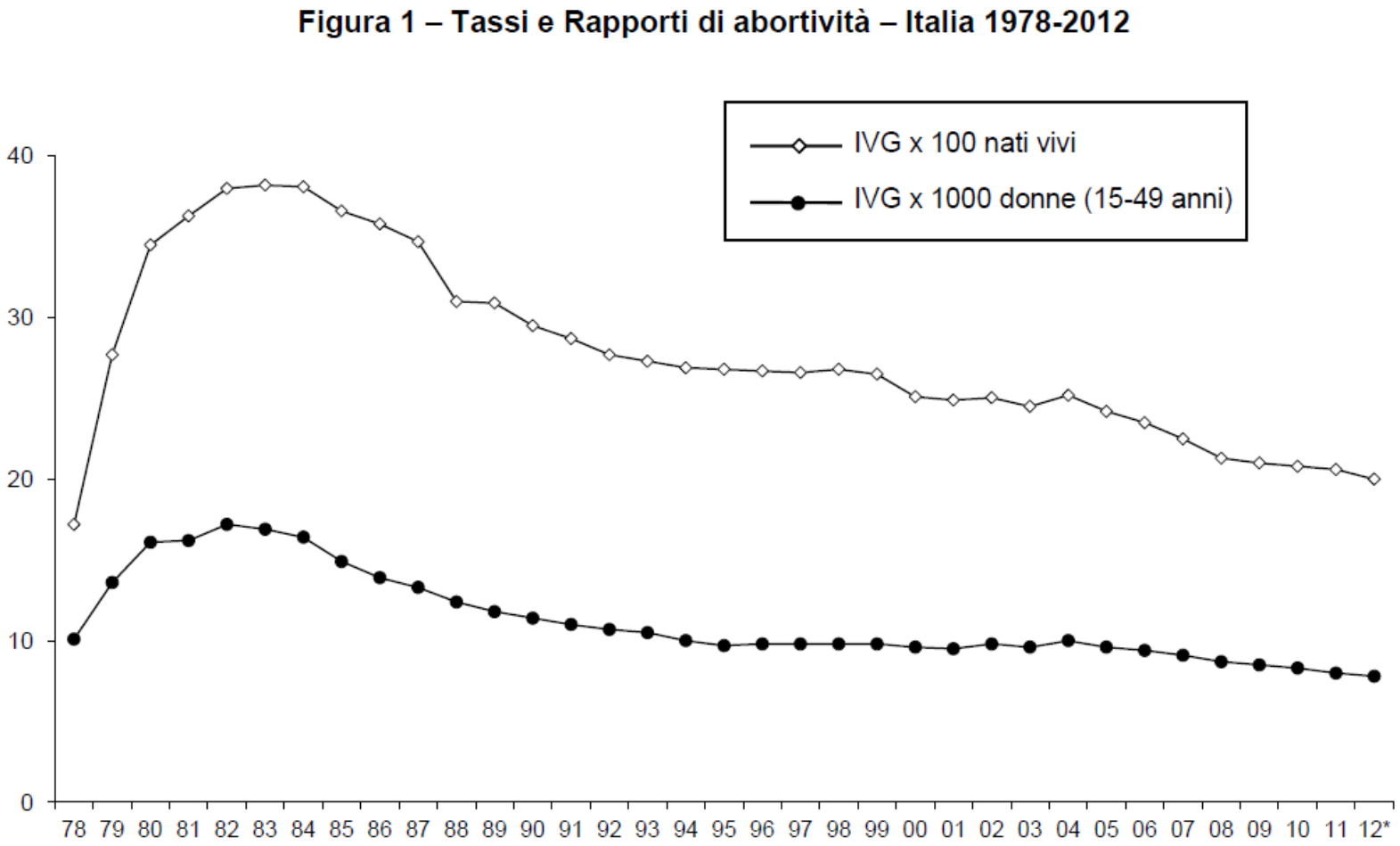
To provide an informed forecast about the capacity of the actual setting to accept the changes which appear as associated with a favorable effect of the intervention. Such a forecast should have answered some critical questions as:

- In the actual setting are the current coverage decisions effectively carried on?
- How effectively are the current standard of treatment complied with?
- Is there any reason to suspect that a new coverage decision can improve the compliance of the professionals?
- Are the features of the new intervention to be adopted somehow more in tune with the attitude of the available professionals?

To get a timely, context-wise answer



To assess the quality of the decision



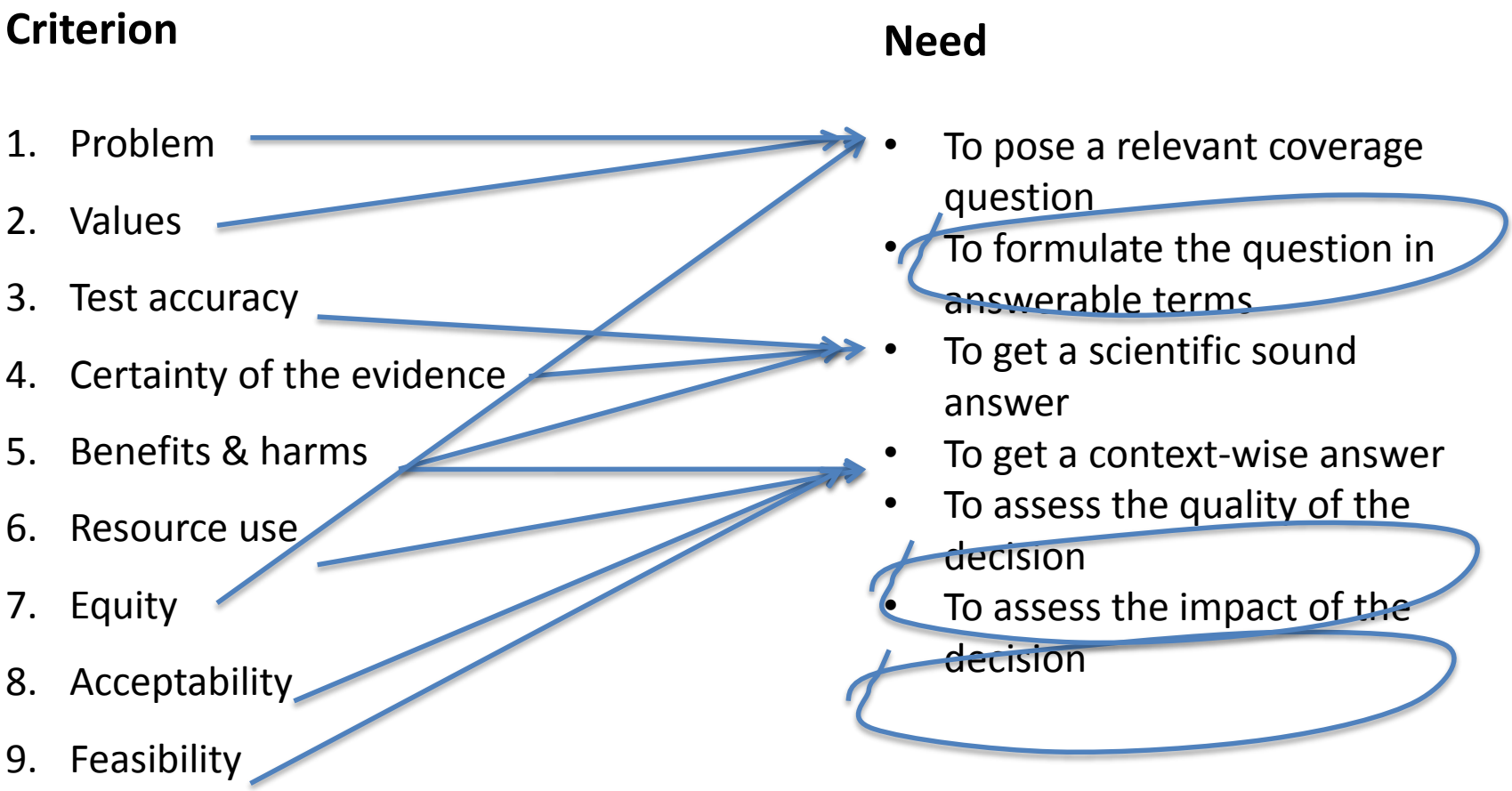
To assess the impact of the decision

What do we get from the DECIDE tool?

Rating the DECIDE tool by decision maker need

Need	Rating			
	-	+/-	+	++
To pose a relevant coverage question		X		
To formulate the question in answerable terms	X			
To get an effectiveness based answer				X
To get a context wise answer			X	
To assess the quality of the decision		X		
To assess the impact of the decision		X		

Correspondence of DECIDE tool criteria with decision maker need

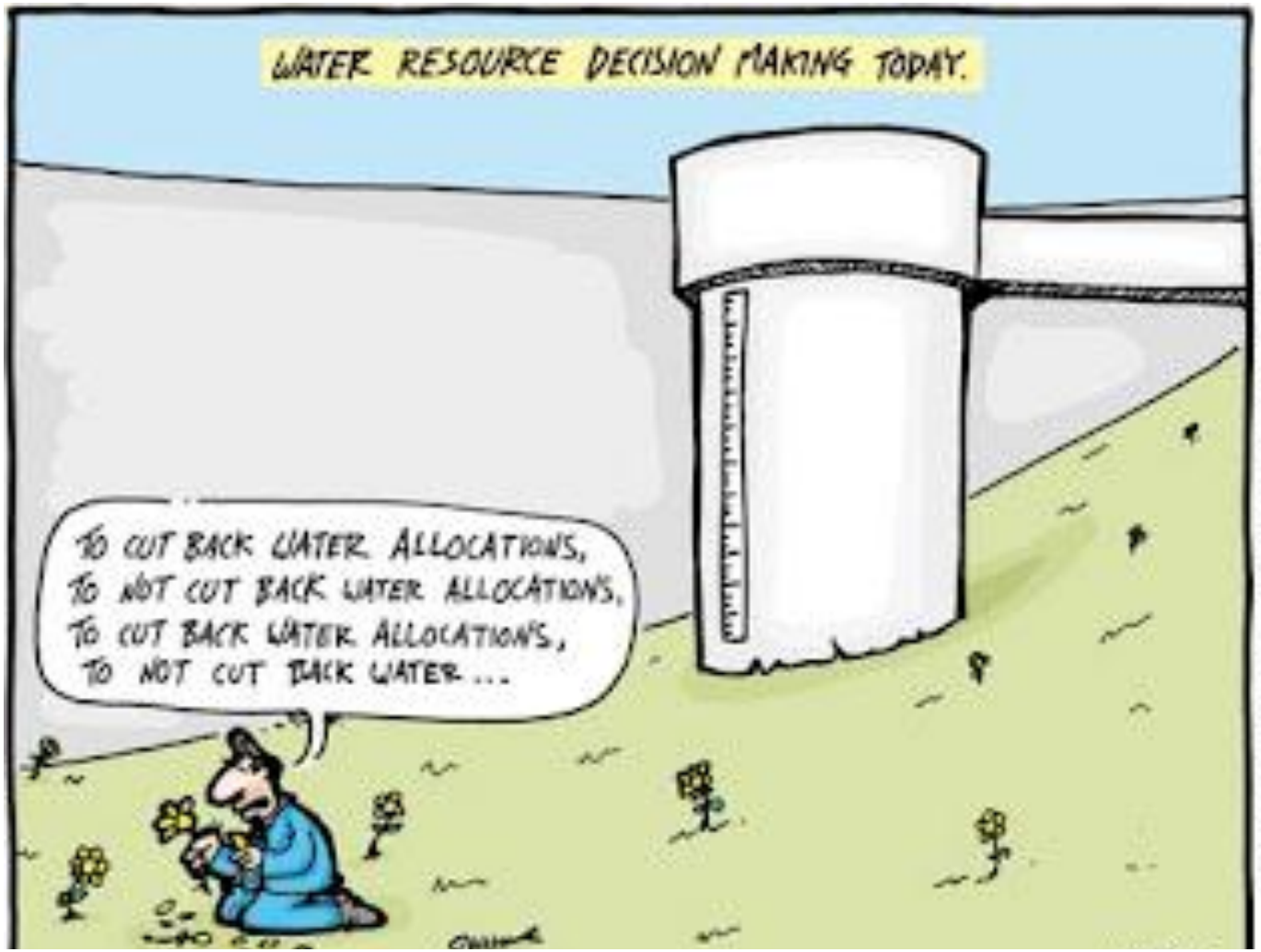


What do we still lack?

- A sounding probe for comparing relevance
- An algorithm to construe good questions on relevant coverage issues
- Reliable criteria to assess context variables beside budget constraints
- Reliable criteria to assess the quality of the decisions
- Reliable criteria to assess the impact of the decisions

How do we know whether the DECIDE process is working?

When we use a health policy decision tool …



…. we can even chose daisies but……

…we are actually adopting a health technology, the effectiveness, feasibility, and cost of which must be measured

Where should we go next?

- Build experience
- Test in real decision settings
- Make available a standard, user-friendly DECIDE decision tool
- Monitor use
- Compare experiences
- Assess mode of use
- Compare effectiveness

To draw a sobering summary:

We are not yet there but we are very close