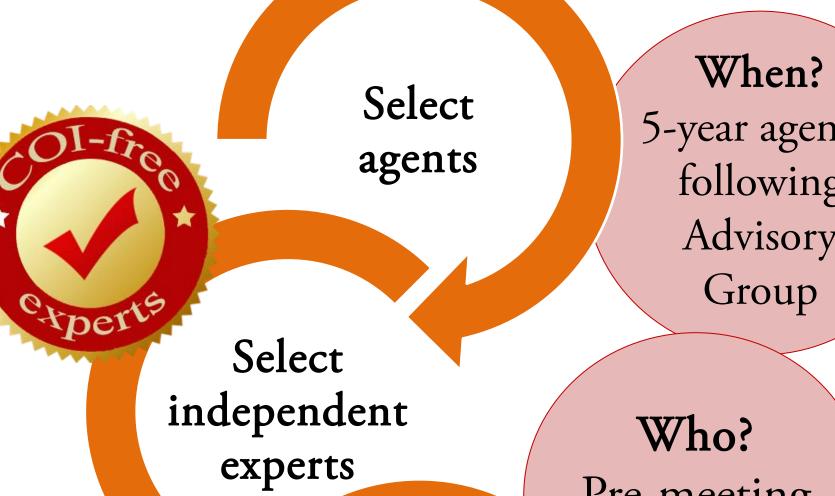
## Revised Preamble for the IARC Monographs.

Modernized and transparent evidence synthesis for cancer hazard identification Mary Schubauer-Berigan on behalf of the IARC Monographs



Prepare

meeting

5-year agenda following Advisory Group

Who? Pre-meeting

Secretariat

Systematic Review Steps

When? What? Pre-meeting work: drafts, peer review, revision

Step 1

Identification of relevant information

Step 2

Screening, selection, organization of studies

Steps 3 & 4

Evaluation of study quality & reporting of results

Step 5

Exposure characterization

## Human cancer study synthesis

- Causal inference for body of evidence, accounting for study quality & informativeness
- Increased attention to quality of exposure assessment

## Cancer bioassay study synthesis

• Evidence of dose-related increases in tumour frequency in high-quality studies

## Mechanistic data synthesis

- Strength of evidence: mechanistic class; key characteristics of carcinogens; and relevance of mechanism for humans
- Study quality considerations

When? Monographs meeting, in

subgroups

Evidence of Cancer in Humans	Evidence of Cancer in Experimental Animals	Mechanistic Evidence	Evaluation	
Sufficient			Carcinogenic	
	Sufficient	Strong (exposed humans)	(Group 1)	When? Monographs meeting,
Limited	Sufficient			
Limited		Strong		
	Sufficient	Strong (human cells or tissues)		
		Strong (mechanistic class)		
Limited	Sufficient	Strong (experimental systems)		n plenary sessions
	Sufficient  All other situations not listed al	Strong (does not operate in humans) bove	Not classifiable (Group 3)	

Hazard Communication

How? The Lancet Oncology, WHO, web, print

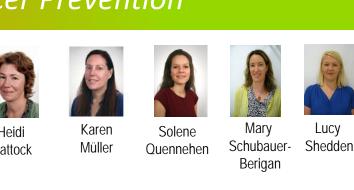
**International Agency for Research on Cancer** 





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