Conflict-of-interest statement

The author has no conflict of interest to declare

ECONOMIC EVALUATION GUIDELINE DEVELOPMENT:
THE LEBANESE EXPERIENCE

Caroline Daccache

1 Maastricht University, Faculty of Health Medicine and Life Sciences, Department of Health Services Research, Care and Public Health Research Institute (CAPHRI), Maastricht, The Netherlands

2 Maastricht Health Economics and Technology Assessment Center

3 ISPOR Lebanon Chapter

Agenda

- Objective
- Methodological Framework
- Findings
- Setting the LEEG
- Suggested Roadmap

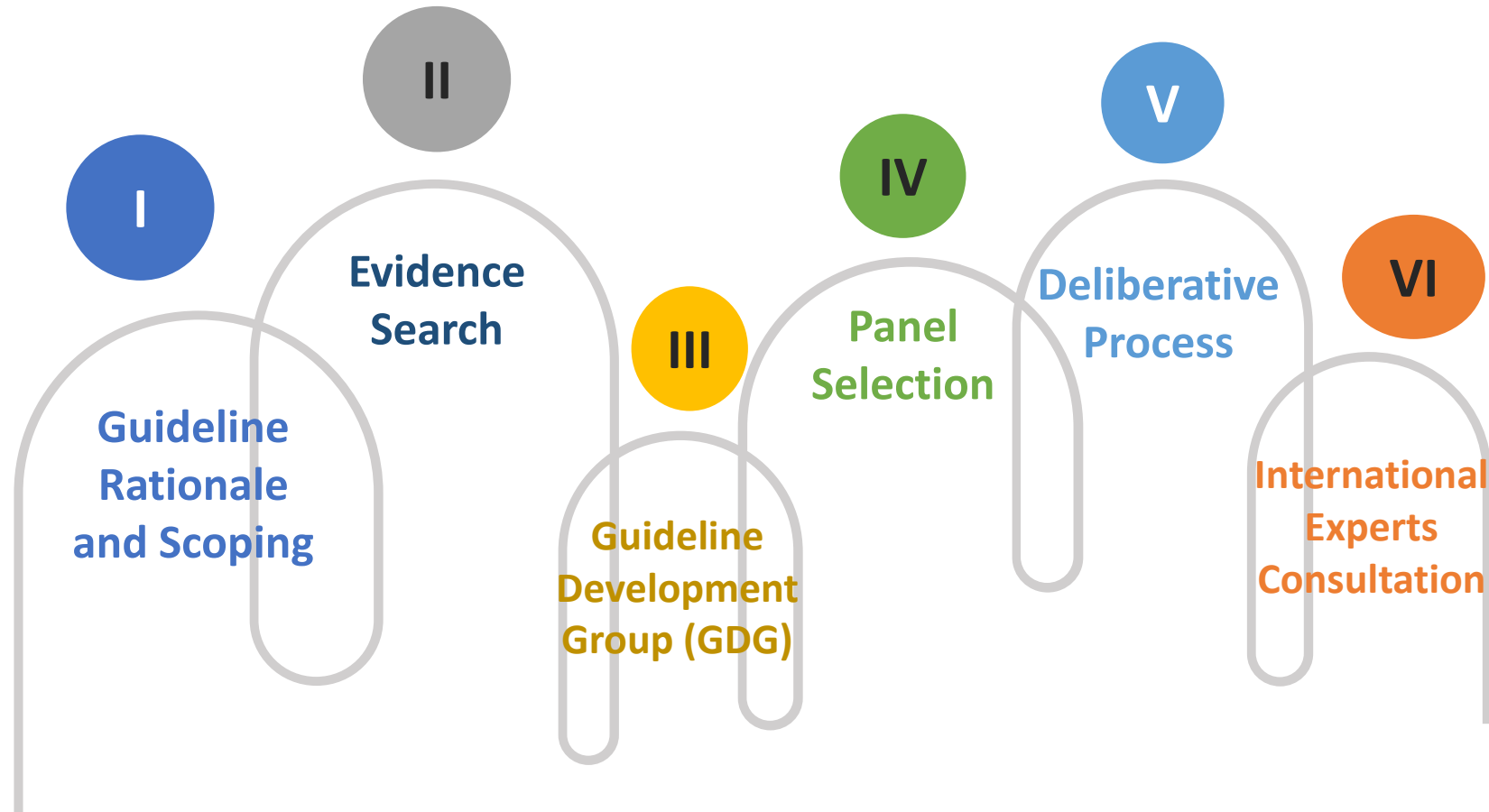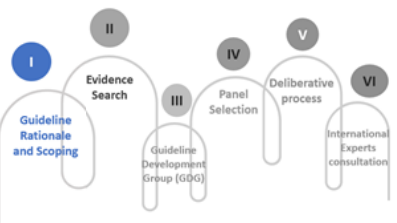Economic Evaluation Guidelines in Middle East and North Africa: Development to Implementation

Objective

✓ **Provide a tool** that can assist guidelines developers in developing national guidelines

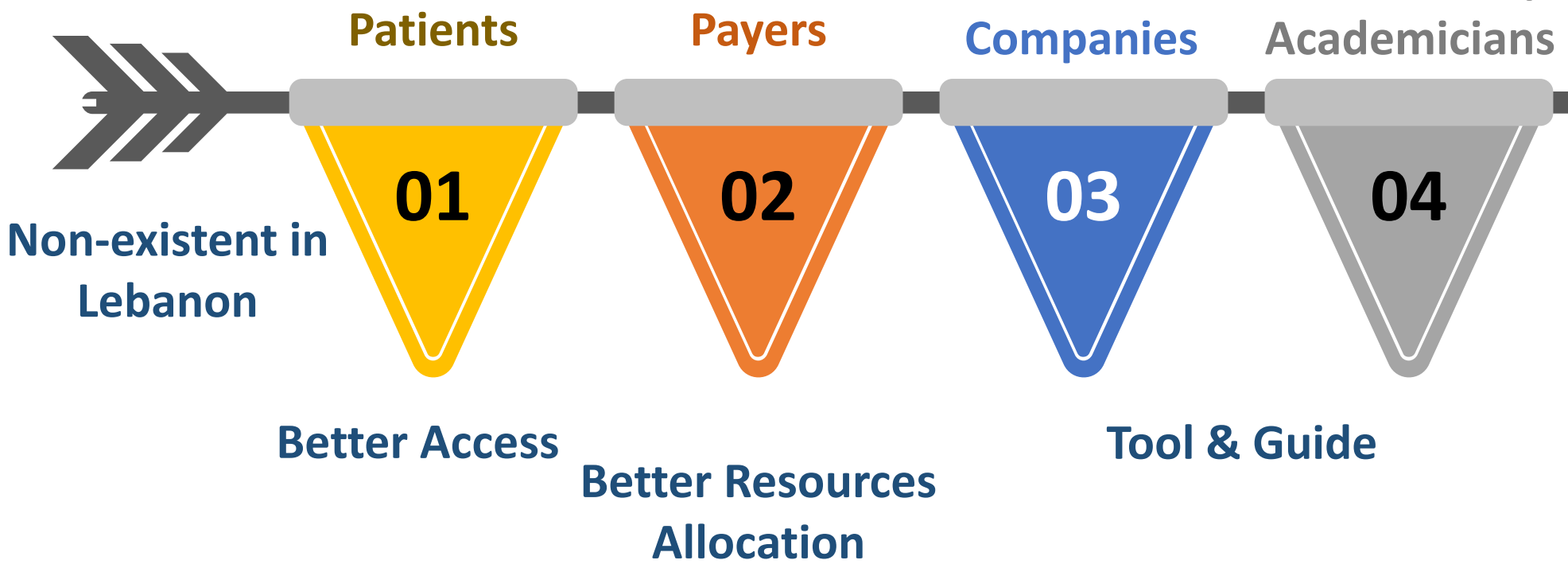✓ **Transparently report** the steps followed in developing the LEEG

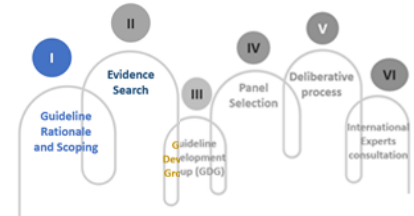Economic Evaluation Guidelines in Middle East and North Africa: Development to Implementation

Methodological Framework

I Guideline Rationale and Scoping

II Evidence Search

III Guideline Development Group (GDG)

IV Panel Selection

V Deliberative Process

VI International Experts Consultation

Economic Evaluation Guidelines in Middle East and North Africa: Development to Implementation

I. Guideline Rational and Scoping

EEGs to Inform Decisions

Non-existent in Lebanon

Patients

01

Better Access

Payers

02

Better Resources Allocation

Pharmaceutical Companies

03

Tool & Guide

Researchers/ Academicians

04

1 **Economic Evaluation Guidelines in Low- and Middle-Income Countries**

Daccache C, Rizk R, Dahham J, Evers SMAA, Hiligsmann M, Karam R (2022). Economic evaluation guidelines in low- and middle-income countries: a systematic review. International Journal of Technology Assessment in Health Care 38, e1, 1–14. https://doi.org/ 10.1017/S0266462321000659
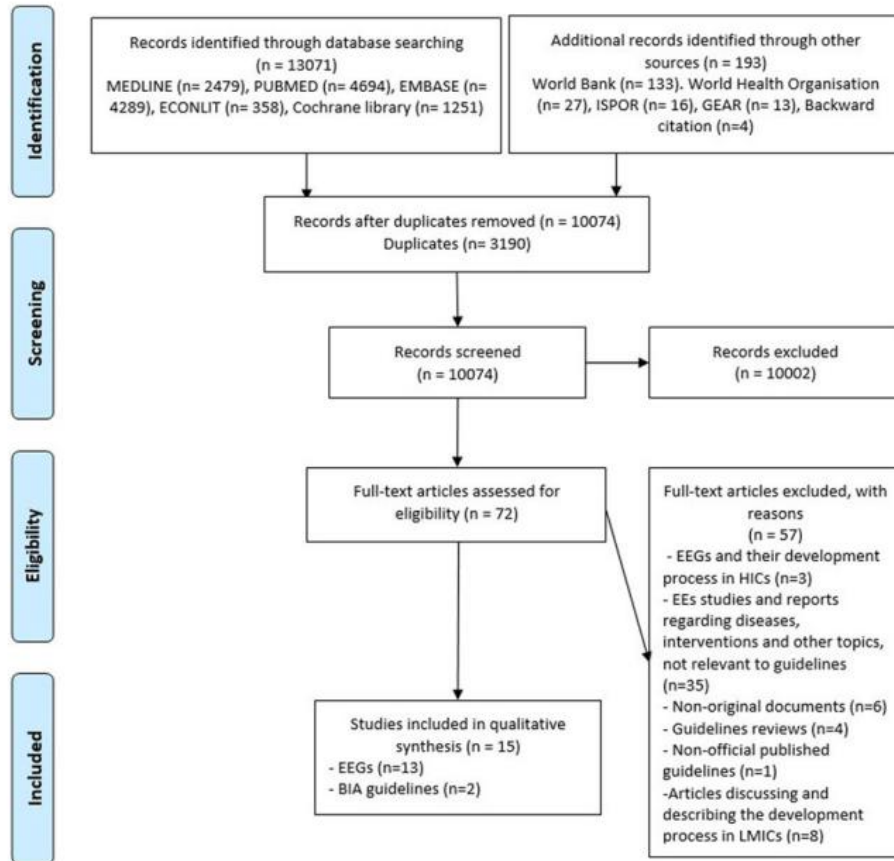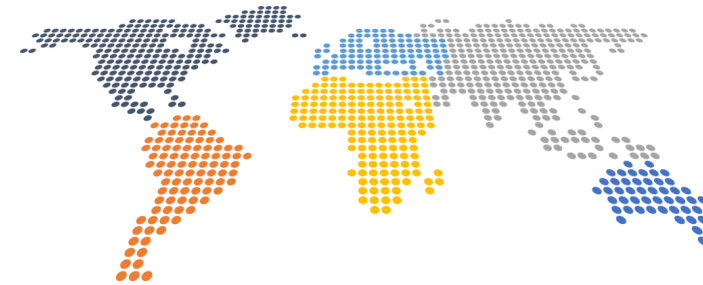
2 **The Development Process of Economic Evaluation Guidelines in Low- and Middle-Income Countries**

Daccache C, Karam R, Rizk R, Evers SMAA, Hiligsmann M (2022). The development process of economic evaluation guidelines in low- and middle-income countries: a systematic review. International Journal of Technology Assessment in Health Care, 38(1), e35, 1–8 https://doi.org/10.1017/S0266462322000186

The researcher who does not know what he is searching for does not understand what he finds
(Claude Bernard)

II.1. Economic Evaluation Guidelines in Low- and Middle-Income Countries: A Systematic Review


Figure 1. PRISMA diagram of study selection. Abbreviations: BIA, budget impact analysis; EE, economic evaluation; EEG, economic evaluation guideline; ISPOR, professional society for health economics and outcomes research; GEAR, guide to health economic analysis and research; LMICs, low- and middle-income countries.

✓ No EEGs developed in low-income countries

✓ Methodological key features were not addressed in some guidelines

✓ Weaknesses in EEGs could adversely affect the quality of EE studies and decision-makers' judgment

II.2. The Development Process of Economic Evaluation Guidelines in Low- and Middle-Income Countries: A Systematic Review
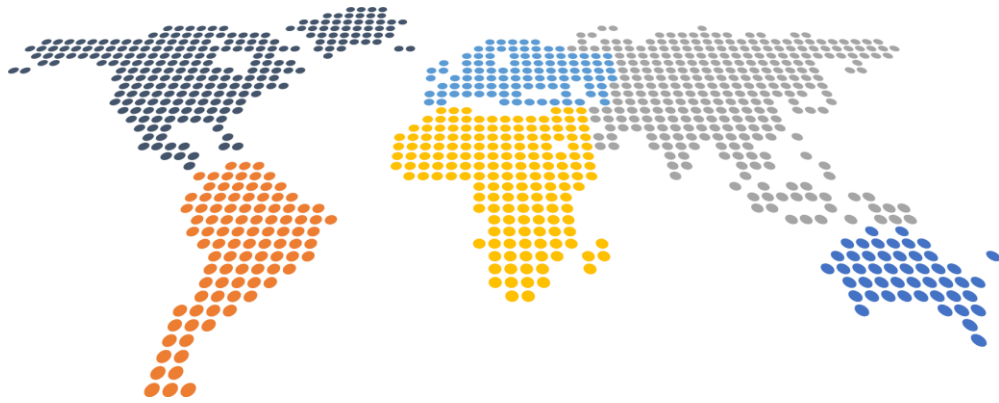
Table 2. Summary of the Development Steps of EEGs in LMICs

Steps	Results n/N	Bhutan	Brazil	China	Colombia	Cuba	Egypt	India	Indonesia	Malaysia	Mexico	Philippine	Russian Federation	South Africa	Thailand
Reviews	6/14				x	x	x			x		x			x
Workshops	9/14	x	x	x		x	x			x	x	x			x
International experts support	5/14	x			x		x		x	x					
International Organizations support	4/14		x			x			x			x			
Number of reported steps taken		2	2	1	2	4	2	1	2	2	2	3	0	0	2

EEGs, economic evaluation guidelines; LMICs, low- and middle-income countries.
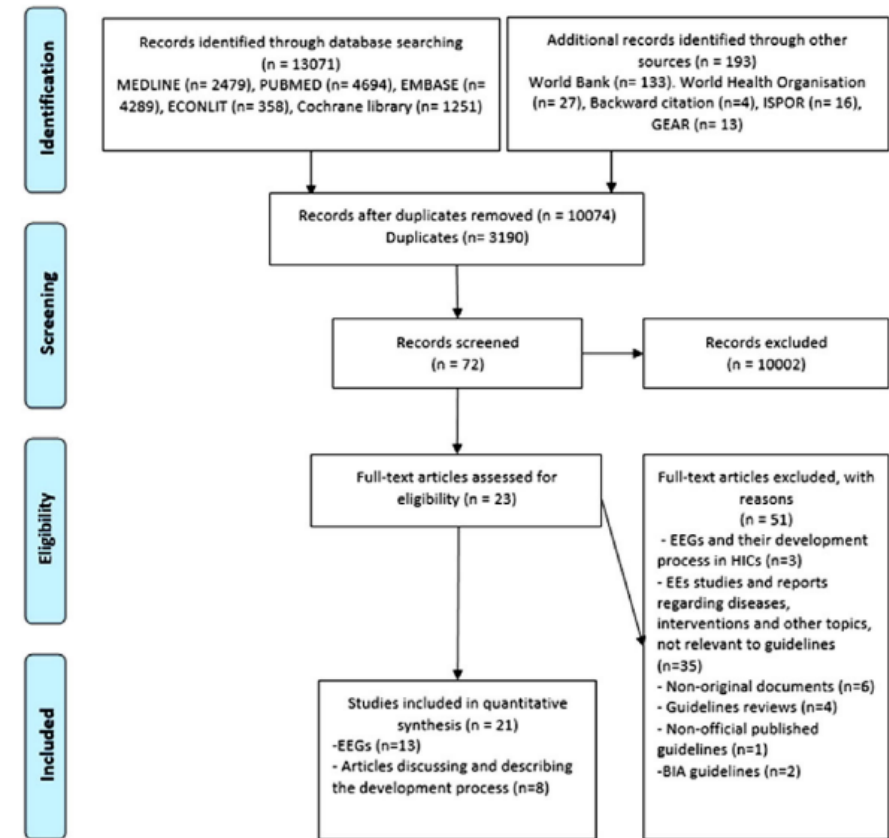
Figure 1. PRISMA diagram of study selection. BIA, budget impact analysis; EE, economic evaluation; EEG, economic evaluation guidelines; GEAR, guide to health economic analysis and research; HICs, high-income countries; ISPOR, Professional Society for Health Economics and Outcomes Research; LMICs, low- and middle-income countries.

Economic Evaluation Guidelines in Middle East and North Africa: Development to Implementation

III. Guideline Development Group (GDG)

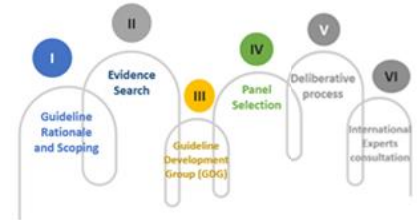**Coordinator, Expert in Health Systems, and Representative of Potential Users**

Professor in Pharmaceutical Sciences, Faculty of Sciences and Medical Sciences, Lebanese University

Consultant for the Ministry of Public Health

Quality Assurance of Pharmaceutical Products Program Director

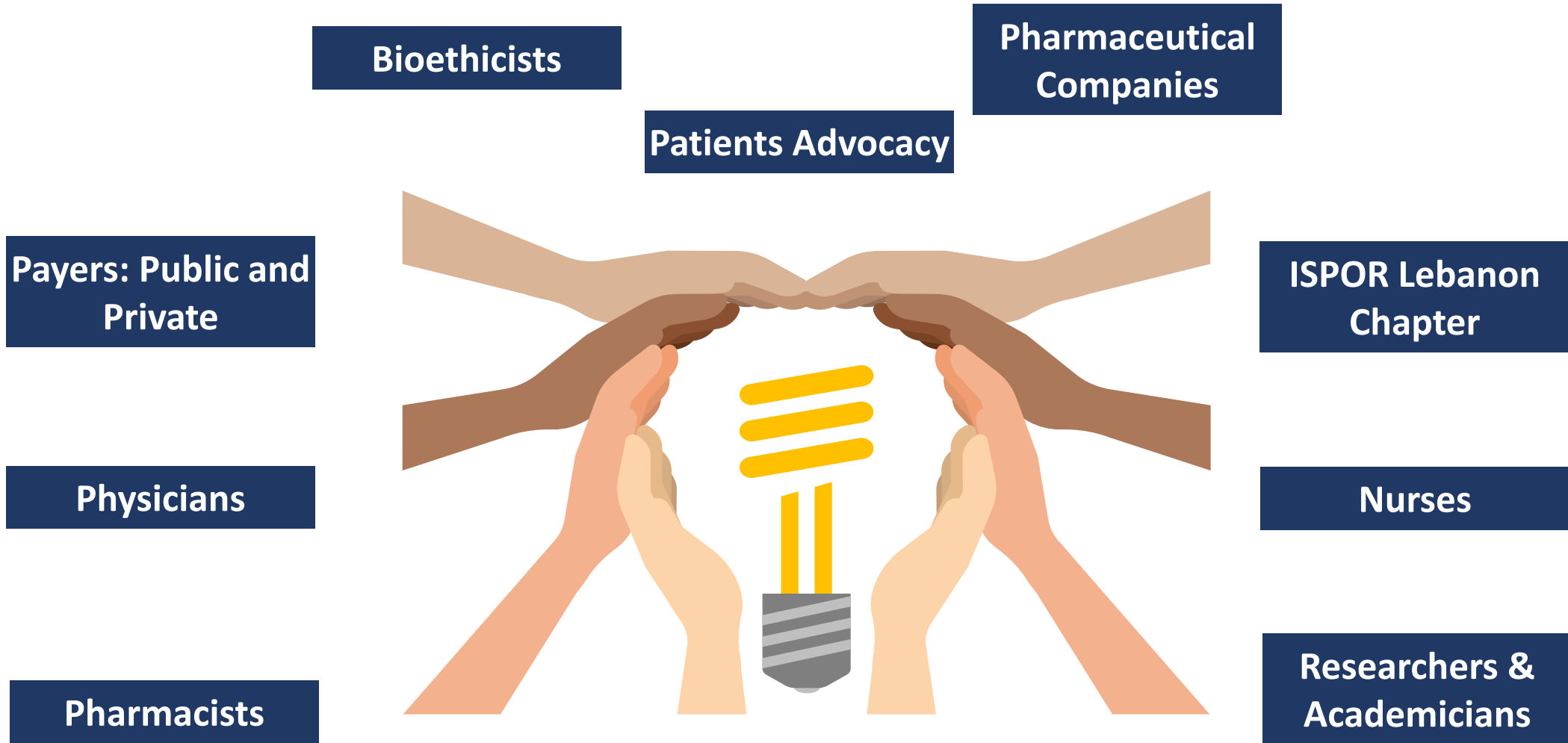**Expert in Health Technology Assessment (HTA) and Health Economics**

Assistant Professor at the Lebanese American University, School of Arts and Sciences, Department of Natural Sciences, Byblos, Lebanon
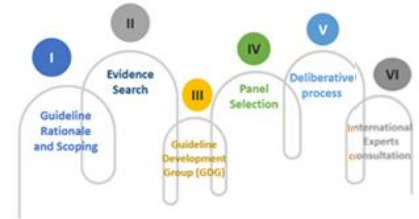
Researcher and Coordinator, INSPECT-LB, Lebanon

Expert in Research Synthesis and Knowledge Translation

Ph.D. candidate in Health Technology Assessment, Maastricht University, The Netherlands

Researcher & Developer, Mediphar Laboratories, Lebanon

Economic Evaluation Guidelines in Middle East and North Africa: Development to Implementation

IV. Panel Selection

Bioethicists

Pharmaceutical Companies

Patients Advocacy

Payers: Public and Private

ISPOR Lebanon Chapter

Physicians

Nurses

Pharmacists

Researchers & Academicians

Economic Evaluation Guidelines in Middle East and North Africa: Development to Implementation

V. Deliberative Process: Methods

Participants Selection

Survey

Key-Informant Interviews

Data Analysis

Consensus Workshop

01 02 03 04 05

Economic Evaluation Guidelines in Middle East and North Africa:
Development to Implementation
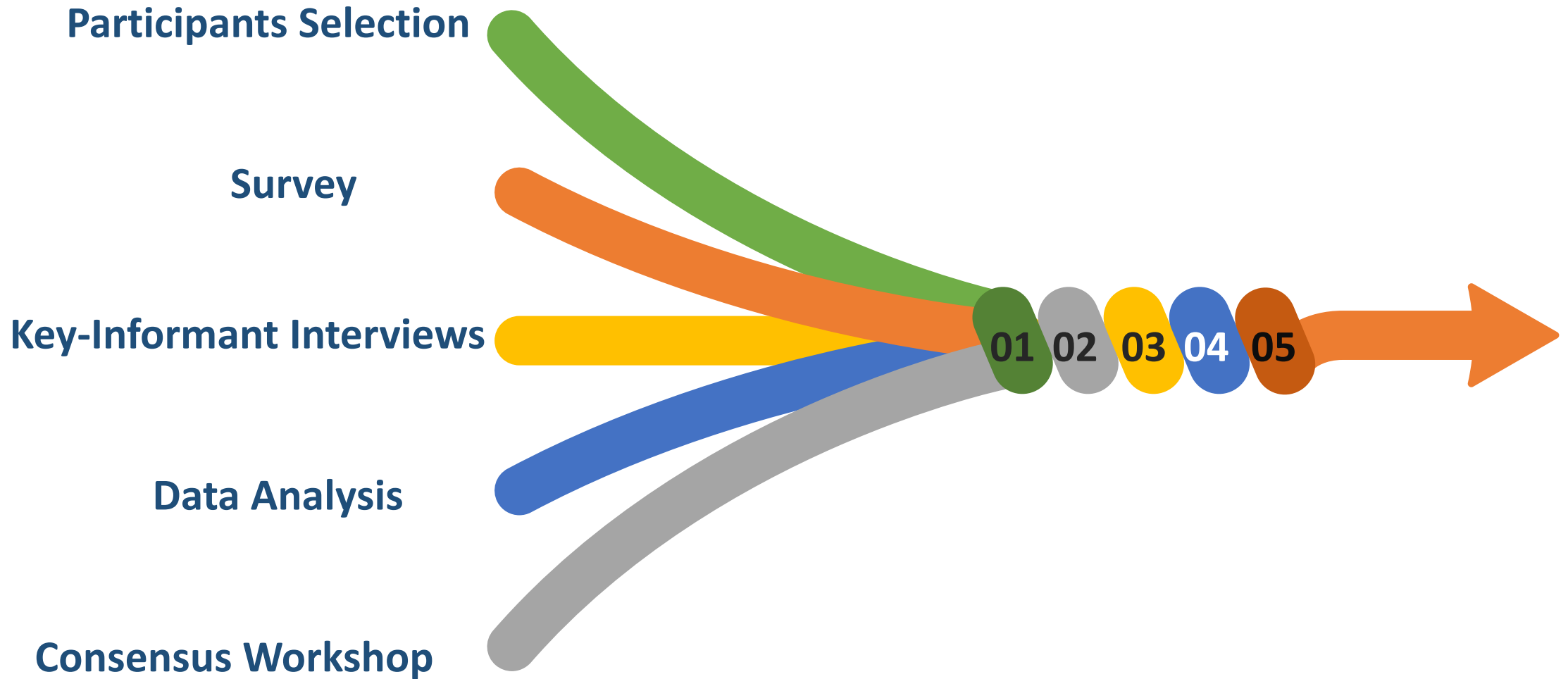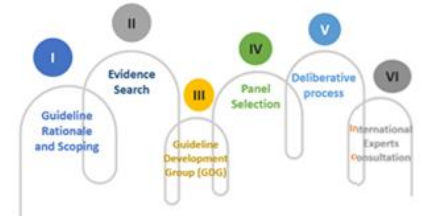
V. Deliberative Process: Timeline Table

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Topic Introduction		→→										
Consent & Survey			→→→→									
In-person Interview				→→→								
Transcription & Translation					→→→							
Data Analysis								→→→				
Consensus Workshop										26		
Expert Consultation											→→	
GDG Meetings	→→→→→→→→→→→→→→→→→→→→→→→→											
Setting the Guidelines												

Economic Evaluation Guidelines in Middle East and North Africa:
Development to Implementation
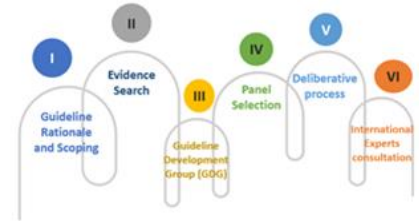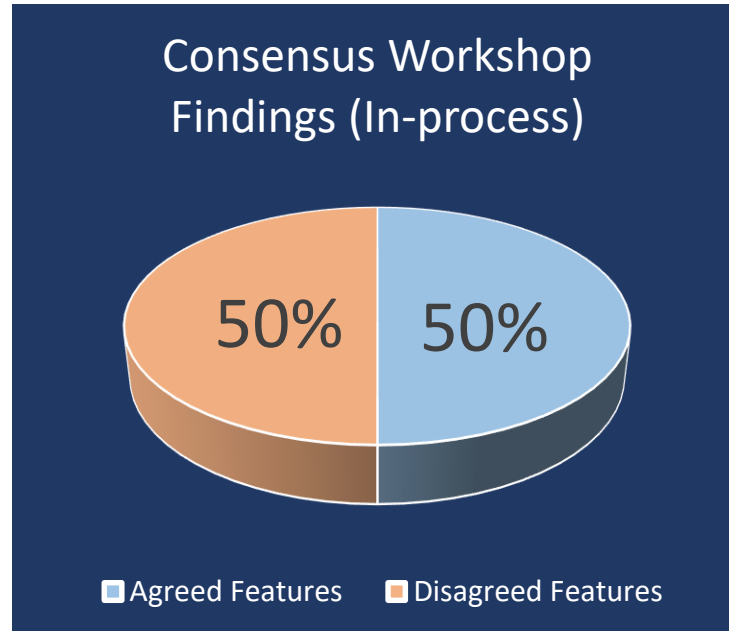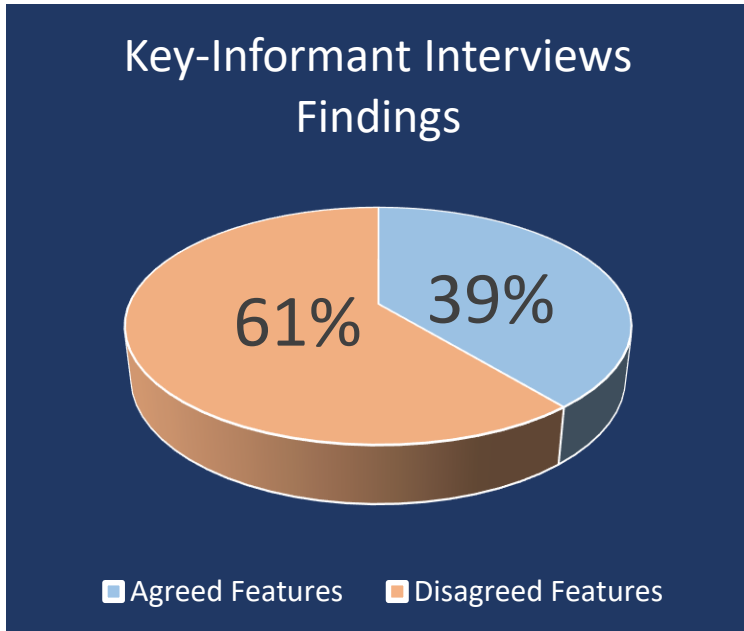
VI. International Experts Consultation

Prof. Silvia M.A.A. Evers

Professor of Health Technology Assessment, Maastricht University, The Netherlands

Dr. Mickaël Hiligsmann

Associate Professor of Health Technology Assessment and Health Economics, Maastricht University, The Netherlands
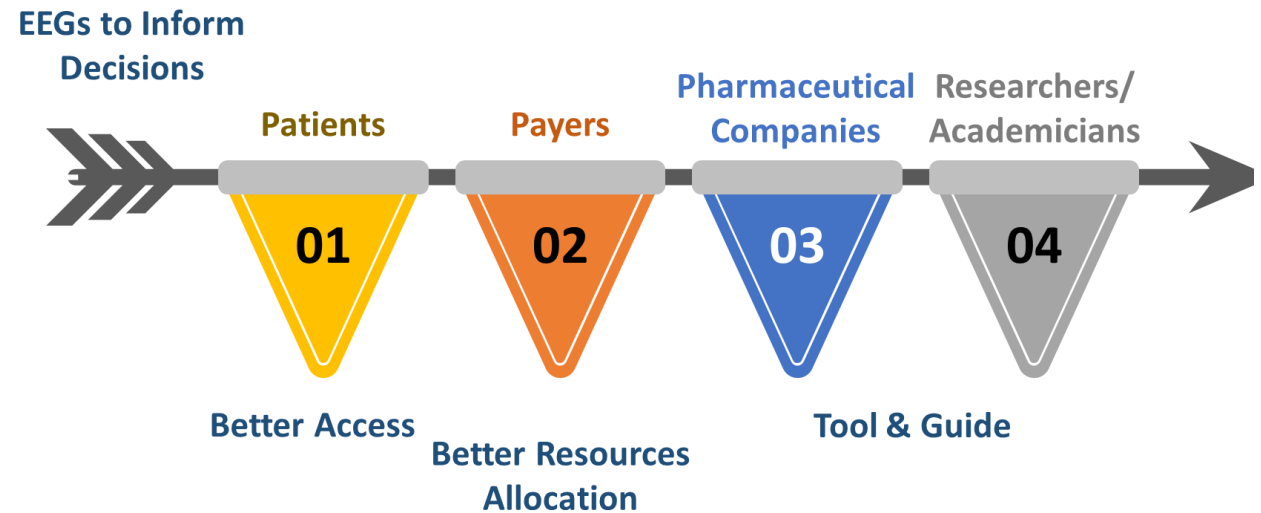
Findings & Setting LEEG

Key-Informant Interviews Findings

39% Agreed Features
61% Disagreed Features

Consensus Workshop Findings (In-process)

50% Agreed Features
50% Disagreed Features

International Experts Consultation

Lebanese Economic Evaluation Guideline (LEEG)

Economic Evaluation Guidelines in Middle East and North Africa: Development to Implementation

Roadmap

Identify the Scope

Search for Evidence

Translate Evidence into Recommendations

EEGs to Inform Decisions

Patients

Payers

Pharmaceutical Companies

Researchers/ Academicians

01

02

03

04

Better Access

Better Resources Allocation

Tool & Guide

Economic Evaluation Guidelines in Middle East and North Africa: Development to Implementation

THANK YOU

Everything is theoretically impossible, until it is done
(Robert A. Heinlein)

Economic Evaluation Guidelines in Middle East and North Africa:
Development to Implementation

Caroline Daccache

📍 Beirut, Lebanon

📱 961 3 491059
961 1 871102

in linkedin.com/in/caroline-daccache-kahwaji

✉ c.daccachekahwaji@maastrichtuniversity.nl
caroline.d.kahwaji@gmail.com

Maastricht University | **Maastricht UMC+**