

Droogterisico reduceren: economisch onderbouwd maatregelen selecteren

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Introductie

- Droogteperiodes ↗
 - Effecten kwantificeren = uitdaging
- Landbouwsector
 - Hoge kwetsbaarheid
- Nood aan proactief droogterisicobeheer
- Droogterisicoreducerende maatregelen

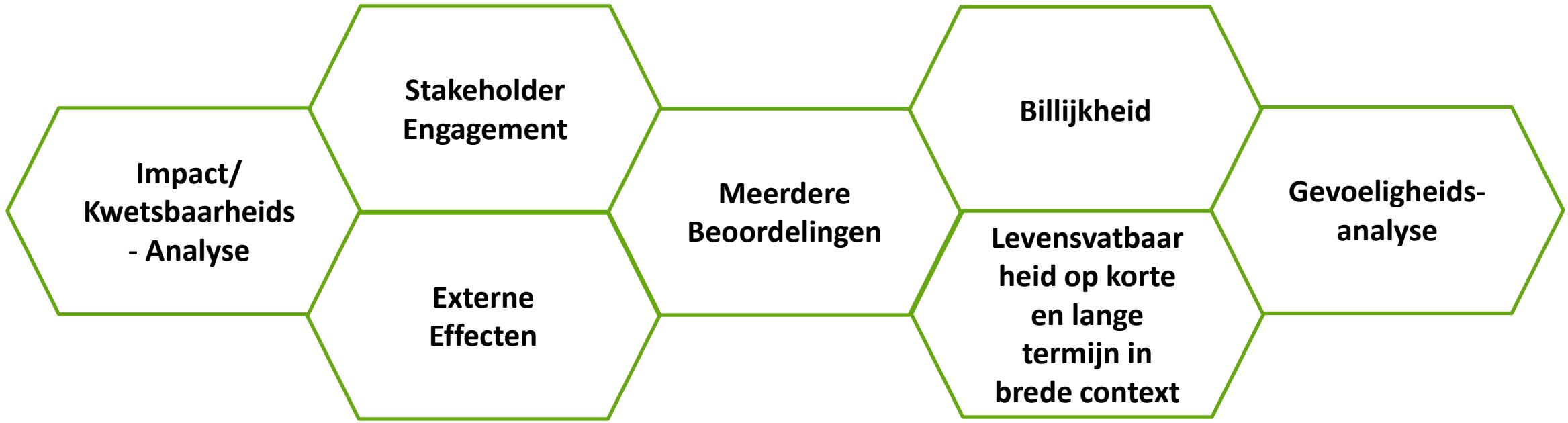


Probleemstelling

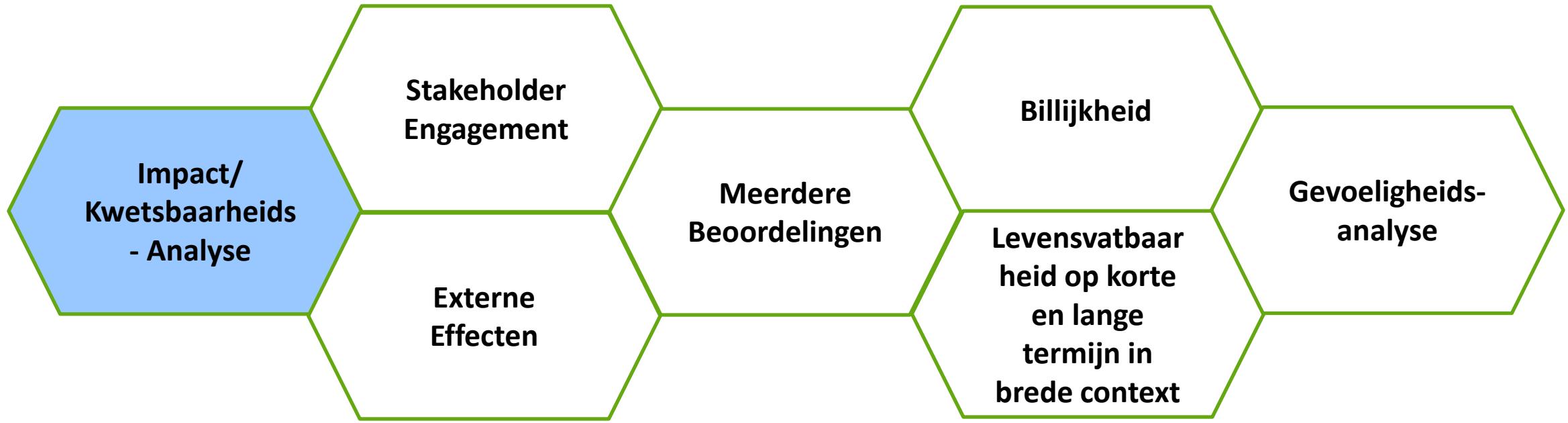
- Omgaan met droogte is mogelijk
 - Kost van actie nemen < kost van niets doen
- Implementatie DRRM blijft achter
 - Uitdagend om schade, kosten en voordelen te beoordelen
- Economische beoordeling DRRM
 - Belangrijk, echter onduidelijk



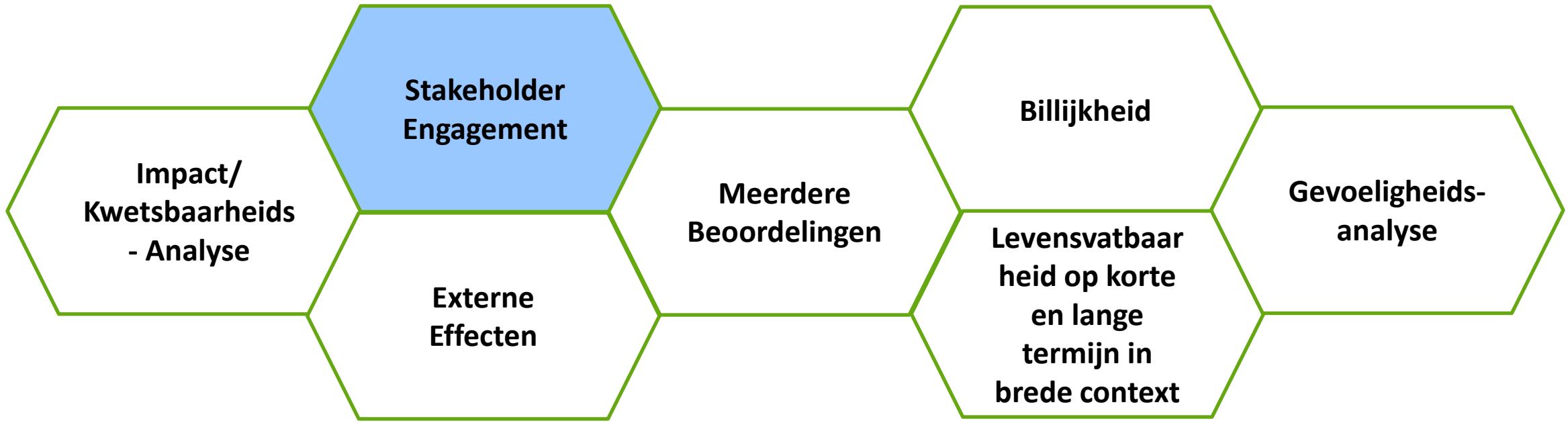
Criteria



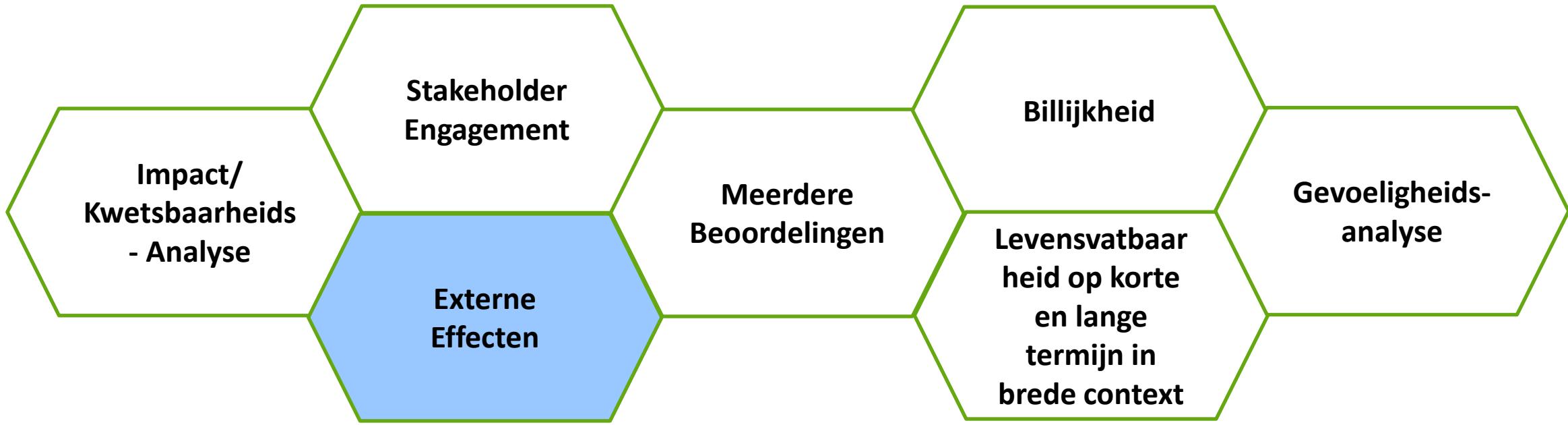
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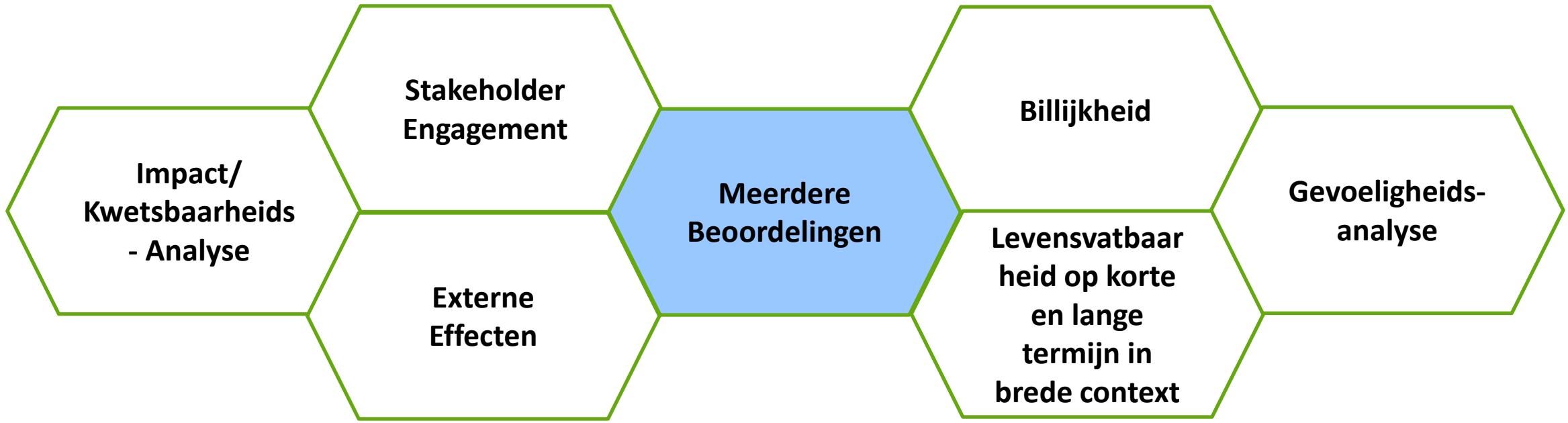
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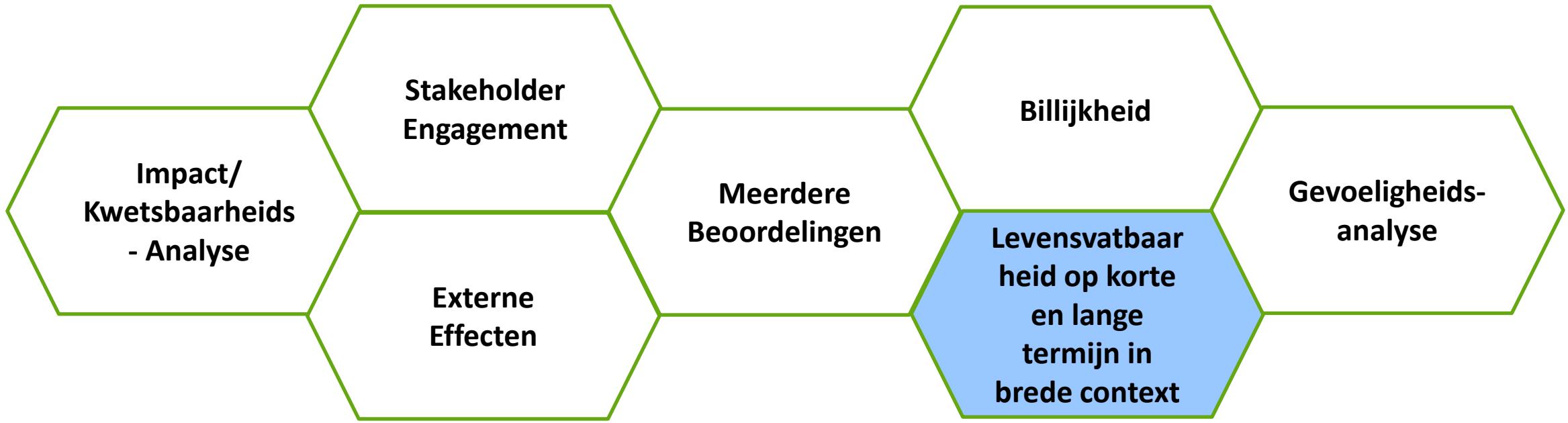
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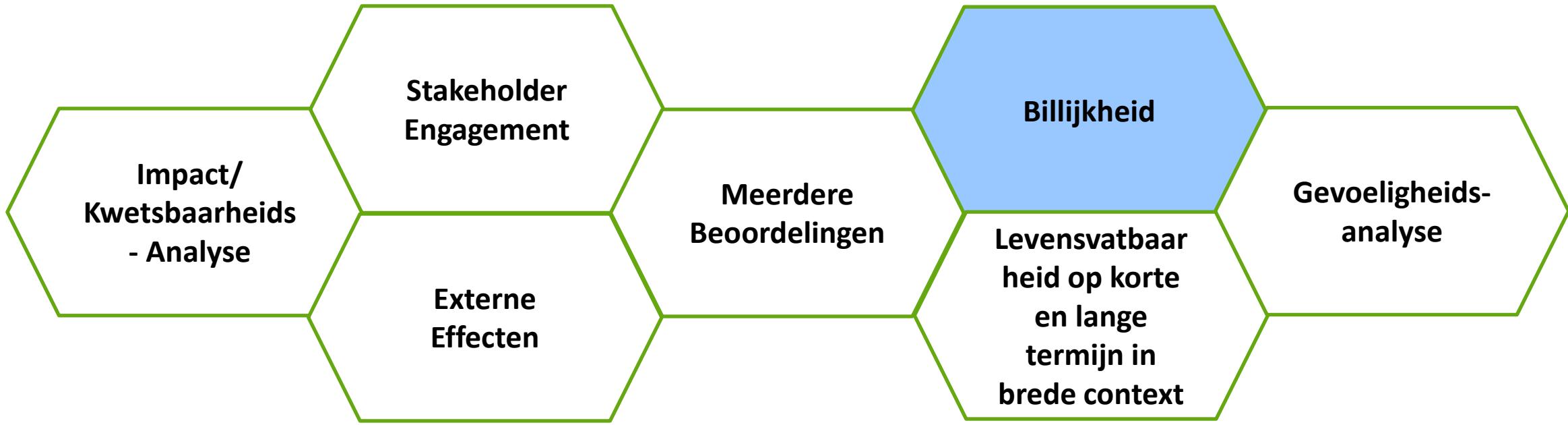
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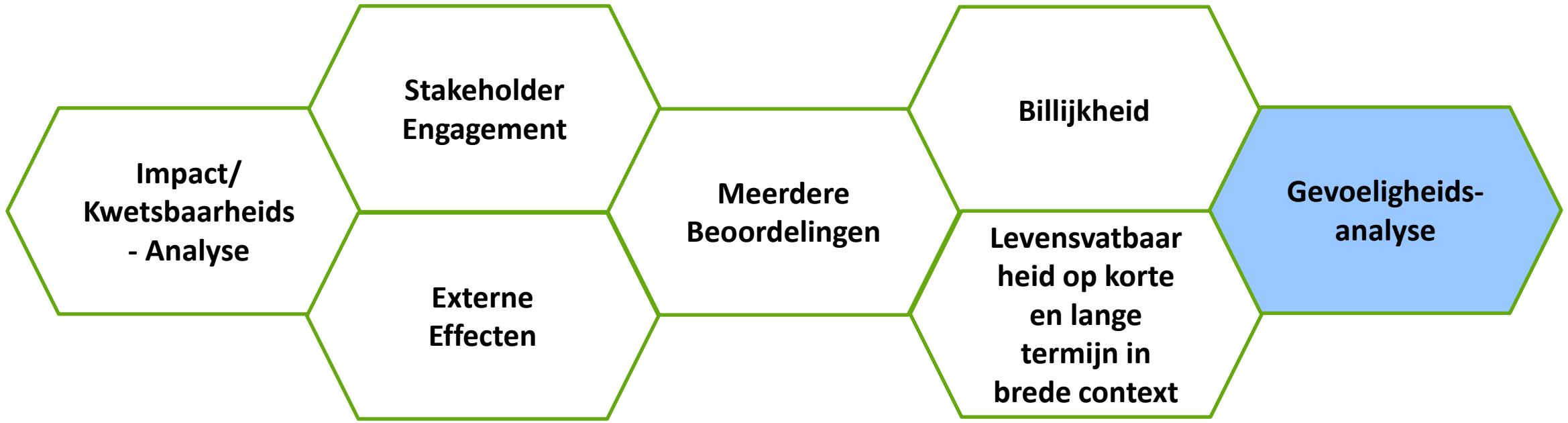
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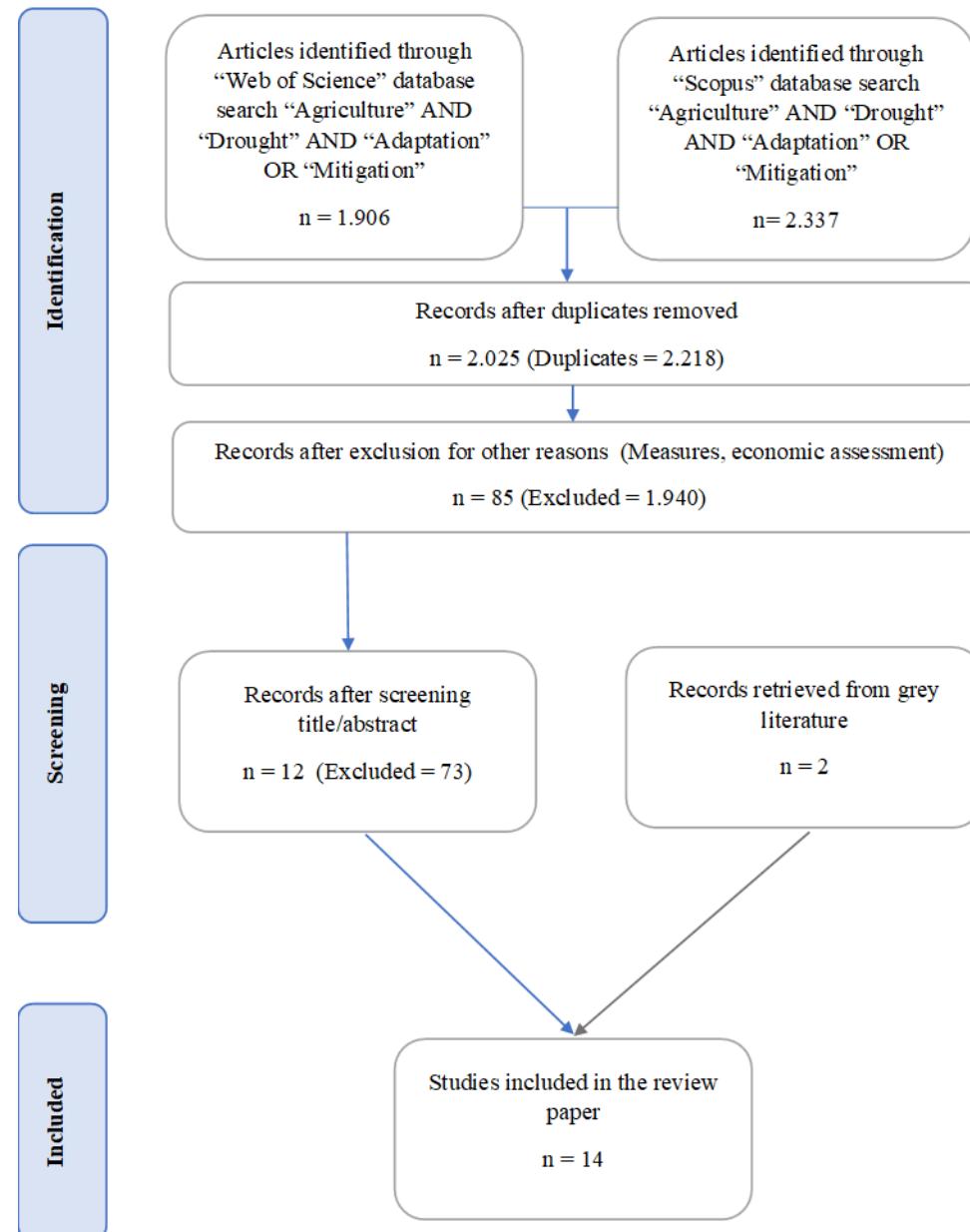
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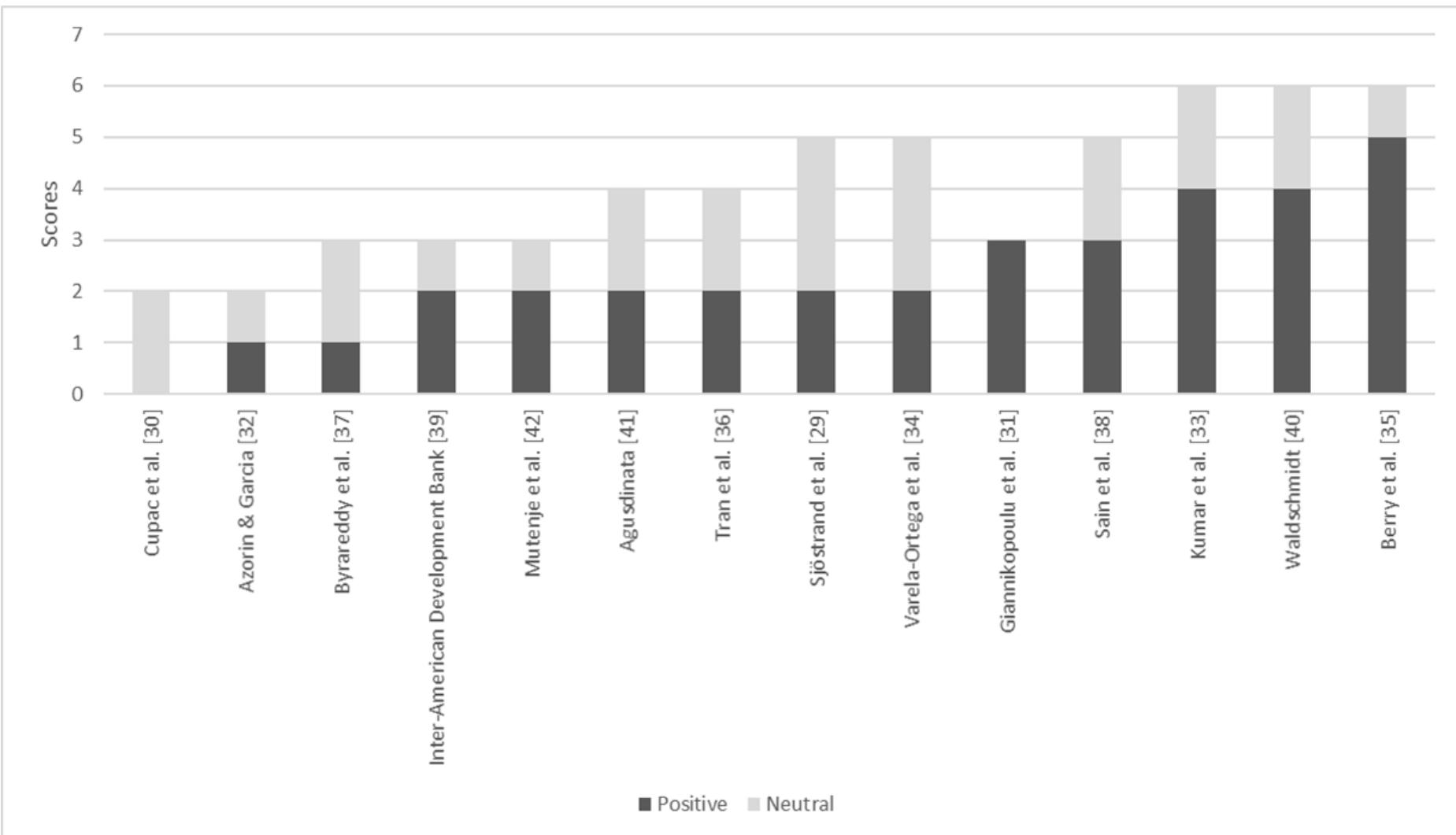
Methode



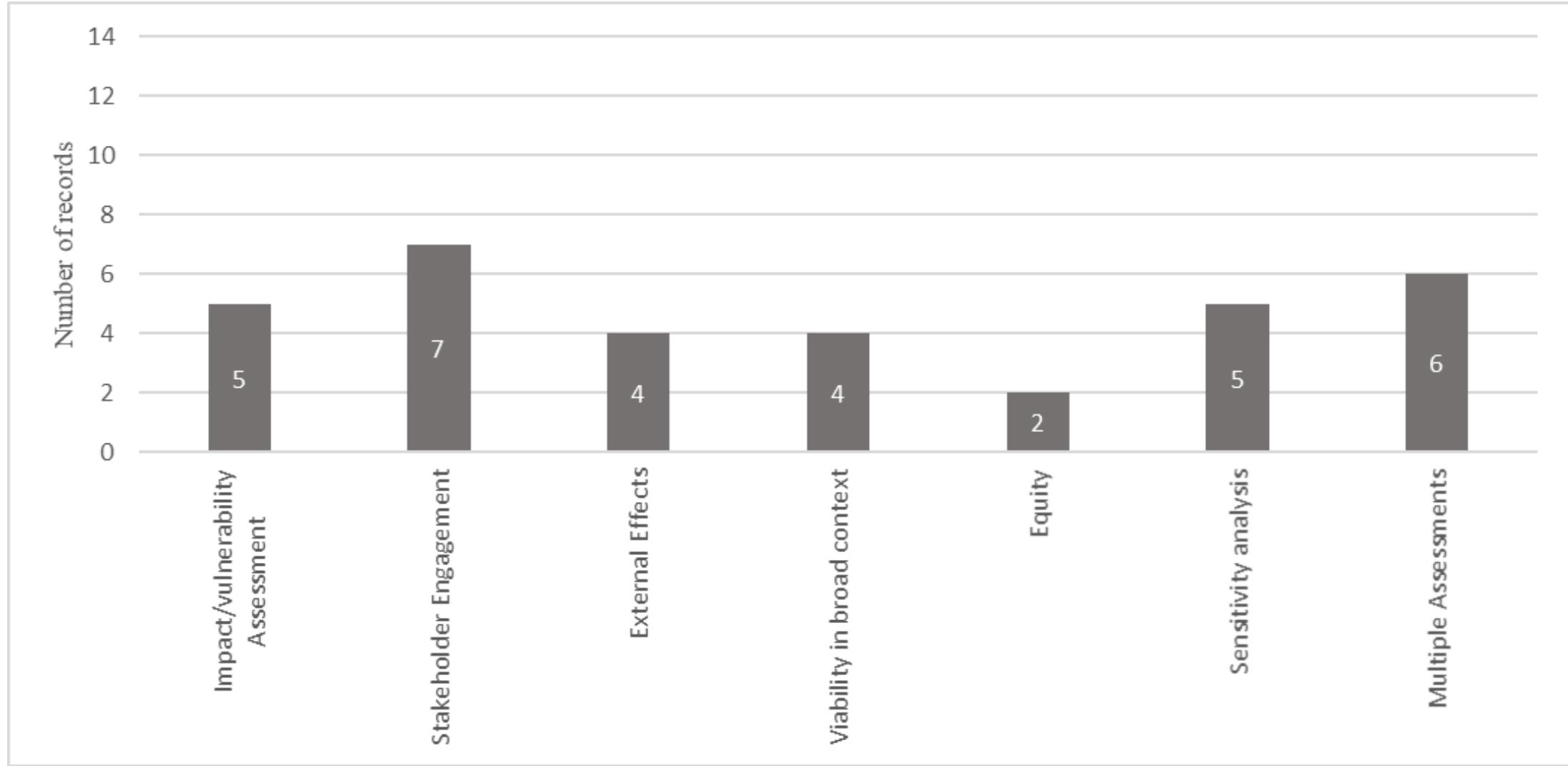
Resultaten

Records	Authors	Countries	Method of economic assessment	Impact/Vulnerability Assessment	Stakeholder engagement	External Effects	Multiple Assessments	Equity	Viability of short-/long-term measures in broad context	Sensitivity analysis
1	Sjöstrand et al. [29]	Sweden	MACC	0	+	0	-	-	0	++
2	Cupac et al. [30]	Bosnia & Herzegovina	CBA	-	-	0	-	-	0	-
3	Giannikopoulou et al. [31]	Greece	CEA	++	+	-	+	-	-	-
4	Azorin & Garcia [32]	Spain	CBA	-	-	-	0	-	+	-
5	Kumar et al. [33]	Spain	MCA Outranking	0	+	+	+	0	+	-
6	Varela-Ortega et al. [34]	Spain	Economic hydrological modelling	+	+	0	0	-	0	-
7	Berry et al. [35]	Canada	Dynamic Simulation Model	+	-	+	0	+	+	+
8	Tran et al. [36]	United States	CEA	-	-	0	+	-	0	+
9	Byrareddy et al. [37]	Vietnam	Comparative Assessment	0	0	-	+	-	-	-
10	Sain et al. [38]	Guatemala	CBA	-	+	+	0	-	0	+
11	Inter-American Development Bank [39]	Trinidad & Tobago	ECA, Damage function	-	-	-	0	-	+	+
12	Waldschmidt [40]	Ethiopia	ECA, CBA	++	+	+	+	0	0	-
13	Agusdinata [41]	Ethiopia, Kenya, Somalia	CEA	+	-	-	0	+	0	-
14	Mutenje et al. [42]	Malawi, Mozambique, Zambia	CBA	0	+	-	+	-	-	-

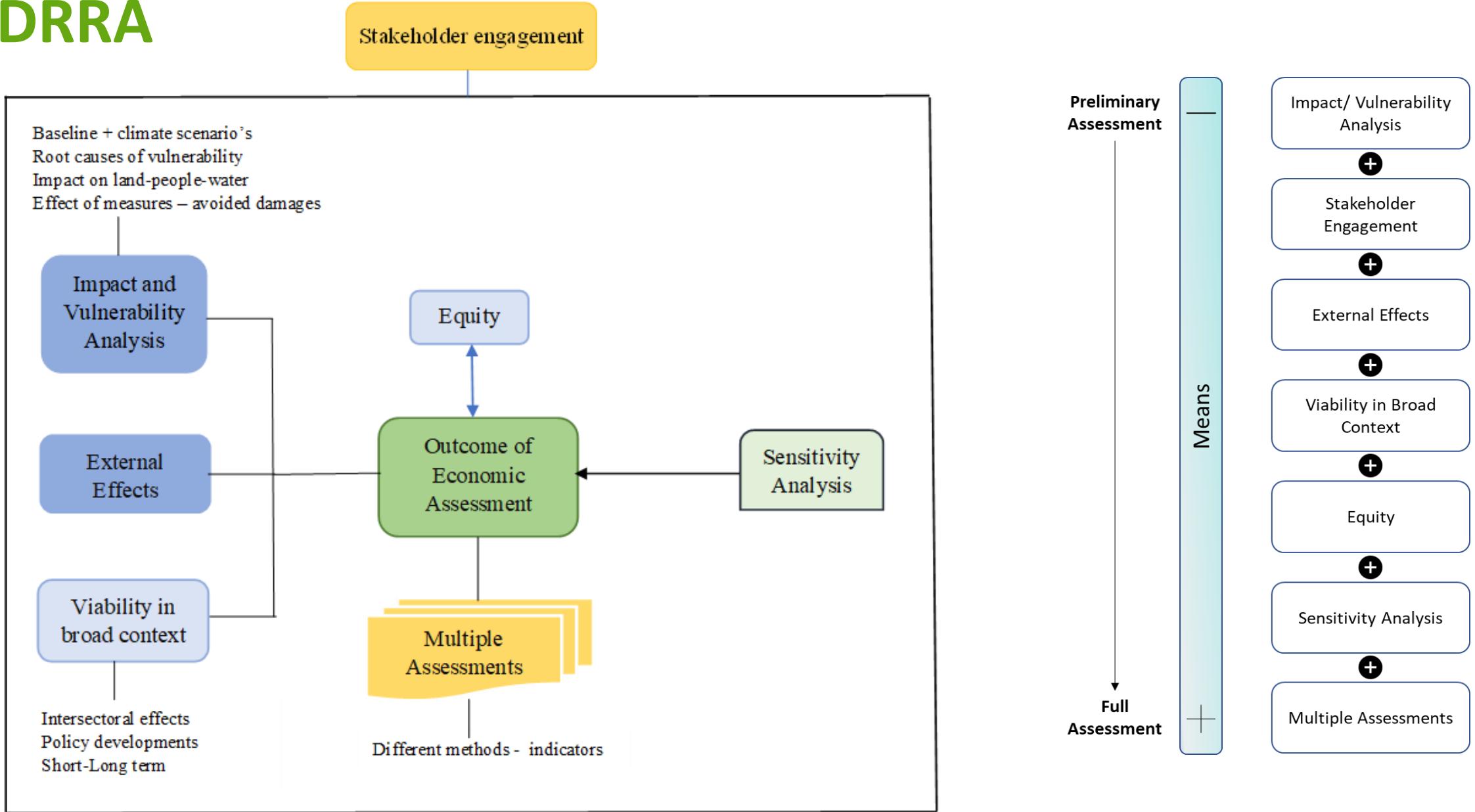
Resultaten



Resultaten



FEADRRRA



Conclusie

- 7 Criteria van economische beoordeling
 - DRRM in landbouwsector
 - Theorie >< Praktijk (14)
- Resultaten mogelijk onvolledig
 - Onderschatting van de voordelen
 - Billijkheid, Levensvatbaarheid, Externe Effecten
- FEADRRRA
 - Verbetering van investeringsbeslissing

