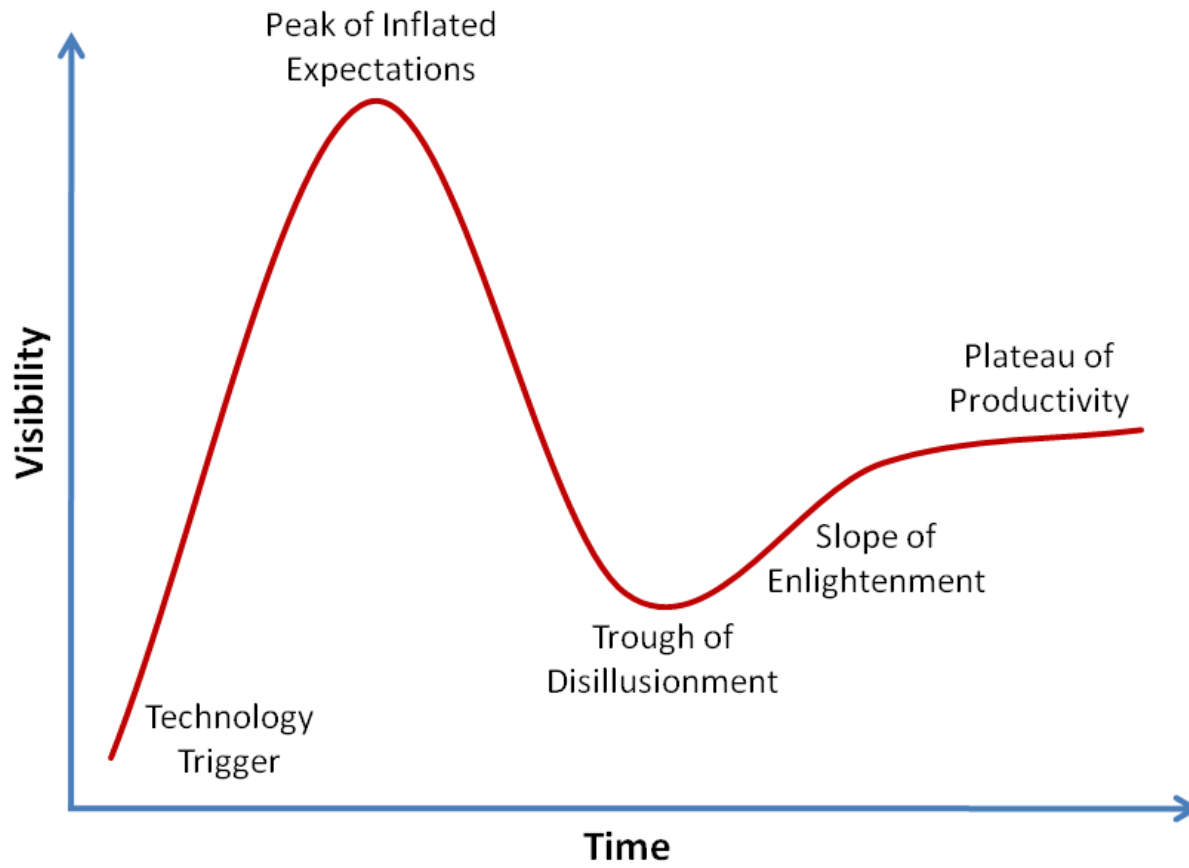


# Mapping the terrain of learning outcomes

**Dr Mary Catharine Lennon**  
Senior Policy Advisor  
Postsecondary Education Quality Assessment Board  
Government of Ontario

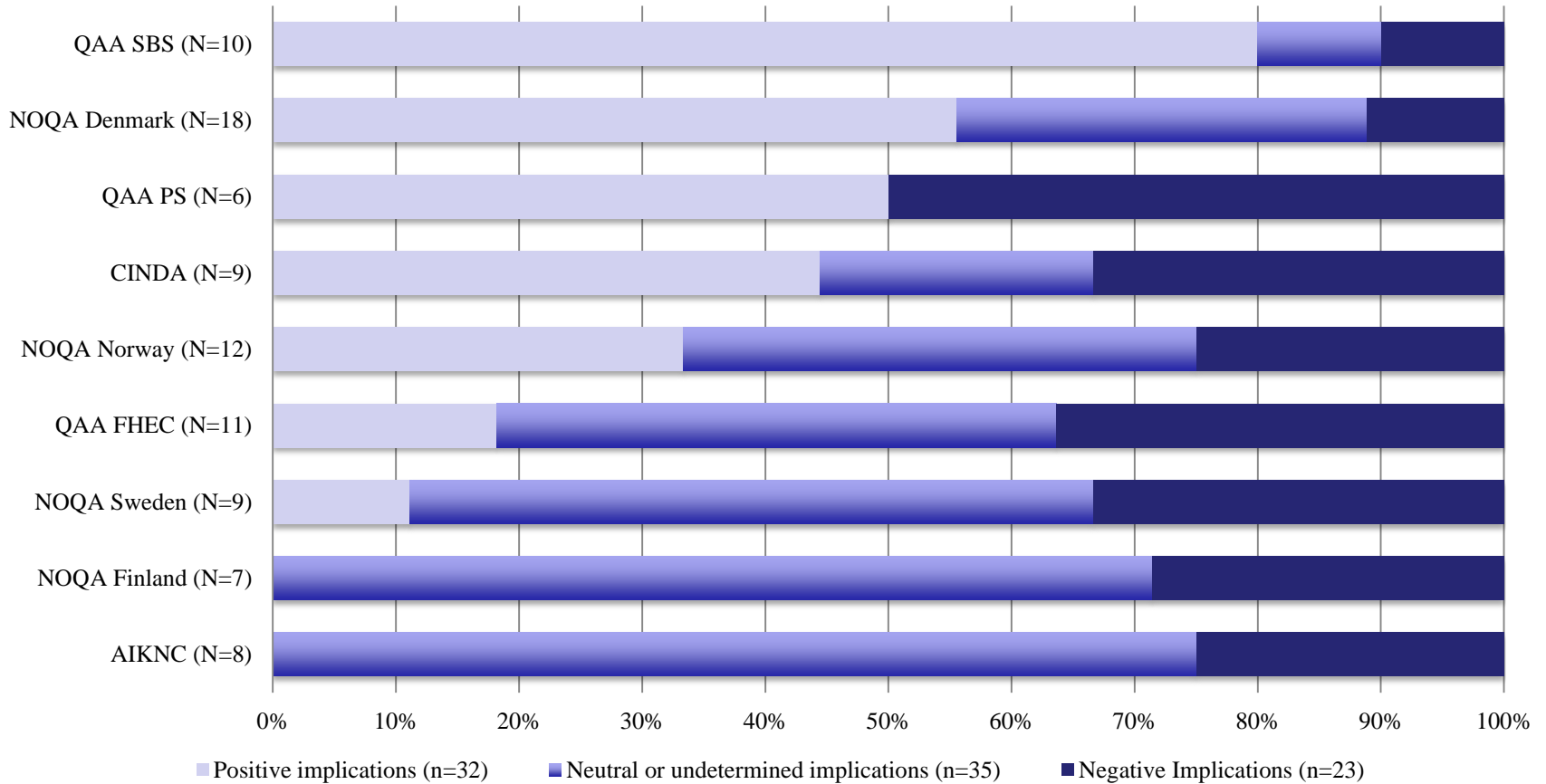
Presented to the Learning Outcomes Assessment Conference  
Toronto, Ontario  
October 18, 2016

# Hype cycle heuristic



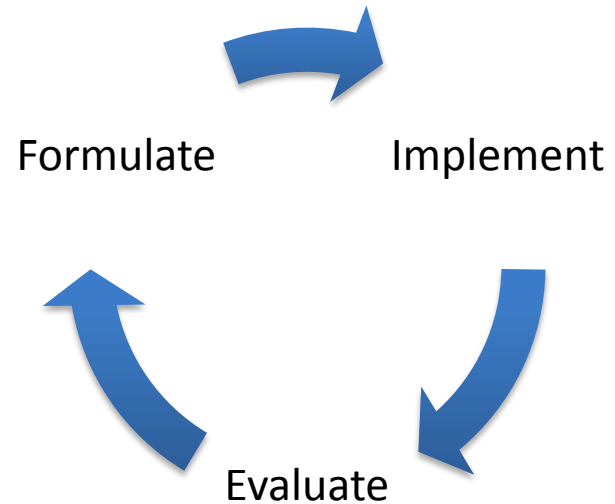
Gartner, 2016

# Learning outcome policy success



# Learning outcomes as a policy

- Misdirected
- Misaligned
- Misapplied
- Unexamined



# Matrix of learning outcomes policy development

Structural features			Policy formulation				Implementation			Evaluation		
Actors	Focus of expectation	Type of expectation	Common goals	Level of expectation	Target audience	Audience needs	Strategy type	Activity	Expected impact	Evidence	Data Collection	Evaluation of policy success
Programs	Generic skills	Learning objective	Transparency	Student (in course)	Students	Indications of program outcomes	Articulation	Writing learning outcomes	Better skill-matching in labour market	Retention and graduation rates	Pre and post implementation graduation rates	Are the primary goals being achieved?
Institutions	Program	Learning outcome	Teaching and learning	Student (across courses)	Public/employers	Indications of student capacities	Implementation	Curriculum mapping	Improved results of assessments	Graduates in field closely aligned to program	National graduate survey	Are there positive/negative impacts elsewhere?
Discipline associations	Discipline	Competency	Institutional improvement/quality	Program	Faculty (course design)	Ways to capture student achievement	Evaluation	In class assessments	Alignment of teaching and assessment activities	Longitudinal or cross-sectional assessments	Test	Are there unintended consequences?
Quality assurance agencies/ accreditation bodies	Institution		System design (i.e. transfer)	Institution	Program (curriculum development)	Improved course design		Course development and program alignment	Improved retention and graduation rates	Faculty/student satisfaction	Survey	How can the policy be improved?
National/ jurisdictional governments	Sector		Labour market alignment and economic development	Nation/ jurisdiction	Institution (quality assurance/ accountability)	Performance indicators		Demonstrating achievement (i.e. badges/learning passports)	Improved quality assurance processes	Number of transfer students/credits awarded	Institutional data	
International/ regional government or non-governmental organisations	Credential		International coordination (and comparison)	International/ regional	System-level (coordination and accountability)			Large scale assessments	Improved comparative understanding	Improved internal and external quality assurance processes	Gap analysis	

# Structural features

- **Actors**

- Programs, Institutions, Discipline associations, Quality assurance agencies/ accreditation bodies, National/jurisdictional governments, International/regional organisations

- **Focus of expectation**

- Generic skills, Program, Discipline, Institution, Sector, Credential

- **Type of expectation**

- Learning objective, Learning outcome, Competency

# Policy formulation

- **Goals**
  - Transparency, Teaching and learning, Institutional improvement/quality, System design, Labour market alignment and economic development, International coordination (and comparison)
- **Level of expectation**
  - Student (in course), Student (across courses), Program, Institution, Nation/jurisdiction, International/regional
- **Target audience**
  - Students, Public/employers, Faculty (course design), Program (curriculum development), Institution (quality assurance/accountability), System level (coordination and accountability)
- **Audience needs**
  - Indications of program outcomes, Indications of student capacities, Ways to capture student achievement, Improved Course design, Performance indicators

# Implementation

- **Strategy type**
  - Articulation, Implementation, Evaluation
- **Activity**
  - Writing learning outcomes, Curriculum mapping, In class assessments, Course development and program alignment, Demonstrating achievement (i.e.. badges/learning passports), Large scale assessments
- **Expected impact**
  - Better skill-matching in labour market, Improved results of assessments, Alignment of teaching and assessment activities, Improved retention and graduation rates, Improved quality assurance processes, Improved comparative understanding



# Evaluation

- **Evidence**

- Retention and graduation rates, Graduates in field closely aligned to program, Longitudinal or cross-sectional assessments, Faculty/student satisfaction, Number of transfer students/credits awarded, Improved internal and external quality assurance processes

- **Data Collection**

- Pre and post implementation graduation rates , National graduate survey, Test, Survey, Institutional data, Gap analysis

- **Evaluation of policy success**

- Are the primary goals being achieved? Are there positive/negative impacts elsewhere? Are there unintended consequences? How can the policy be improved?

# Mapping examples

1. OECD's AHELO Feasibility Study Engineering Strand (AHELO)

# Map of AHELO policy activities

Structural features			Policy formulation				Implementation			Evaluation		
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International/ regional government or non-governmental organisations	Credential		International coordination (and comparison)	International/ regional	System level (coordination and accountability)			Large scale assessments	Improved comparative understanding	Improved internal and external quality assurance processes	Gap analysis	

# Mapping examples

1. OECD's AHELO Feasibility Study Engineering Strand (AHELO)
2. Ontario Qualifications Framework (OQF)

# Map of AHELO and OQF policy activities

Structural features			Policy formulation				Implementation			Evaluation		
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International/ regional government or non-governmental organisations	Credential		International coordination (and comparison)	International/ regional	System level (coordination and accountability)			Large scale assessments	Improved comparative understanding	Improved internal and external quality assurance processes	Gap analysis	

AHELO

OQF

AHELO and OQF

# Mapping examples

1. OECD's AHELO Feasibility Study Engineering Strand (AHELO)
2. Ontario Qualifications Framework (OQF)
3. Badges

# Map of AHELO, OQF and Badges policy activities

Structural features			Policy formulation				Implementation			Evaluation		
Actors	Focus of expectation	Type of expectation	Common goals	Level of expectation	Target audience	Audience needs	Strategy type	Activity	Expected impact	Evidence	Data Collection	Evaluation of policy success
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AHELO

OQF

AHELO and OQF

Badges

OQF and Badges

All

# Exercise 1: Mapping your activities

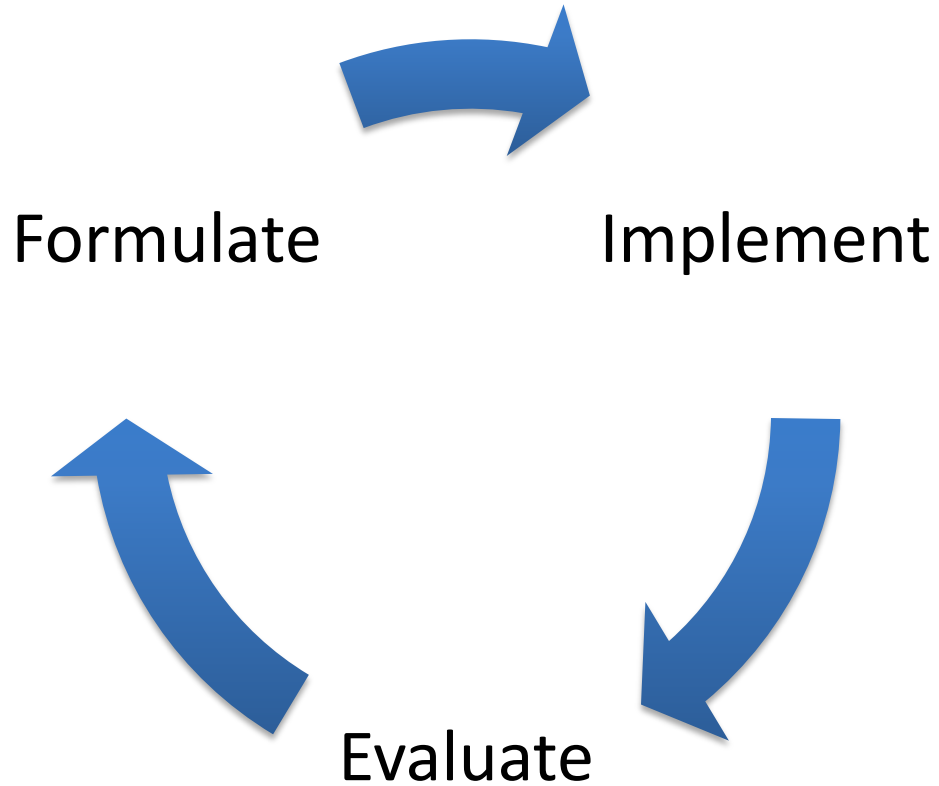
- Identify a real or imagined learning outcomes activity
  - Consider the structural features
  - Map the policy formation and implementation activities
- Connect in small groups to discuss
- Report back



# Exercise 2: Planning an evaluation

- Bring the policy plan into larger groups
- Identify one or two to work through the Evaluation phase
- Report back

# Learning outcomes as a policy



Thank you for your participation!

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