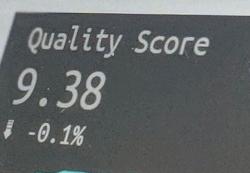


Overview of the **THRIVE Framework**

Measuring what matters most

A New Resource for Thresholds-Based Sustainability Performance Assessment and Business Model Innovation

Presented by Morris Fedeli 18th May 2021



Why THRIVE Project

Our focus is to research, educate and advocate for a more sustainable future.

One guided by providence and prosperity. Placing civilization back on the trajectory towards thrivable transformations. The imperative is to innovate towards the age of thrivability. Implementing solutions at scale, speed, and scope unseen before. We develop theory, tools and technologies to aid humanity in its quest to strive to thrive through providence and prosperity. We are a leader in the field of sustainability metrics, working alongside UN-affiliated research groups, FEI, various Universities, accelerators/incubators and consultants/ advisers. We develop systemic holistic modeling tools to address future challenges.



F

The facts

- Mindset: Mission Impossible => Mission Critical
- One Earth and using 1.7 Earth's worth in resources
- Using First Principles determine a fair and just operating space for humanity
- Devise thresholds and allocations among the population
- Based on facts as informed by the natural and social sciences
- Systemic orchestration provide guidance for the future





Who uses THRIVE



Encourages business to do good to do well in their pursuit for a competitive advantage

BUSINESS

Provides business analysts and consultants with tools to guide entity strategies

ANALYSTS

Assists researchers to analyze trends and effectiveness of entity models for sustainability Allows governments to forecast the effects of regulatory or legislative actions Empowers individuals, consumers to actively stimulate competition among entities by voting with our wallets



Review of approaches, methods & tools

	Type of provider	Explicit Data Sources (Yes/No)	Public Data (Yes/No)	Explicitly Public Methodol ogy (Yes/No)	Multi Entity Levels (Yes /No)	Includes Entity Model (Yes/No)	Perspective	Entity Level (7Cs)	Context -based (Yes/ No)	Determines Impact or Sustainability (Yes/No)	Score type	Single or Multi Topic / Multi-capital / TBL	Topic Alignment	Output
Corporate Knights	Platform	No	Yes	No	No	No	Corporate	Company	Yes	Yes	Quantit ative	Multi Topic	Standard	Report
GRI Reports	Framework	Yes	Yes	No	Yes	Yes	Corporate, Investors, Governance, Society Stakeholder	Company	Yes	Yes	Quantit ative	Multi Topic	Disclosure	Tool
IIRC <ir></ir>	Framework	No	Yes	No	No	Yes	Corporate	Company	No	Yes	Qualitati ve	Multi Topic	Standard	Tool
SASB	Framework	Yes	Yes	No	Yes	Yes	Corporate, Investors	Company	Yes	Yes	Quantit ative	Multi Topic	Disclosure	Tool
SDGs	Platform	No	Yes	Yes	No	No	Consumer, Corporate, Stakeholder, Governance, Society	Company, Country	Yes	Yes	Quantit ative	TBL	Standard	Report
THRIVE Platform	Platform	Yes	Yes	Yes	Yes	Yes	Consumer, Corporate, Stakeholder, Governance, Society	Creature, Company, Community, City, Country, Continent, Cosmos	Yes	Yes	Quantit ative	Multi Topic	Standard AND Self- defined	Platform

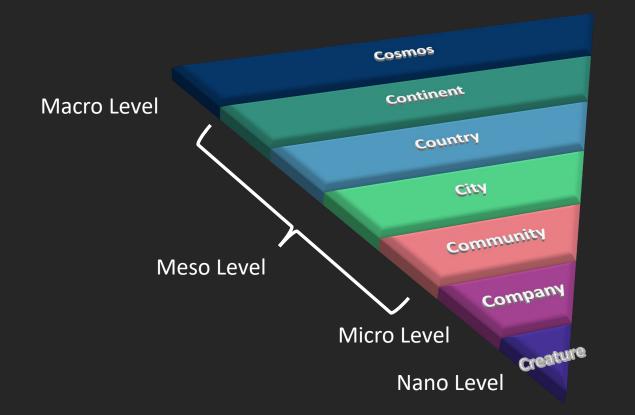
Source: Assessing the Sustainability Performance of Entities

A review and classification of tools, methods, and approaches, Fedeli & Glinik (2021).



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Scale-linking: 7Cs



Source: Assessing the Sustainability Performance of Entities A review and classification of tools, methods, and approaches, Fedeli & Glinik (2021).



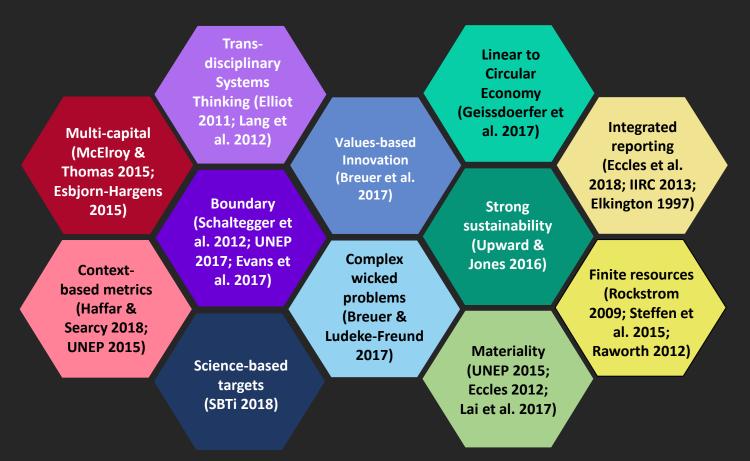
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Systemic Holistic Model

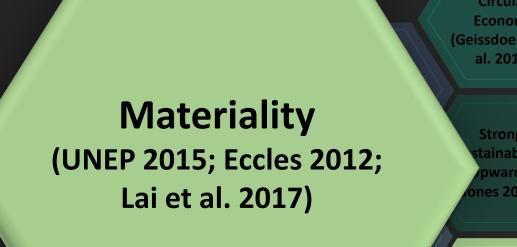




Source: Foundational Focus Factors For Strong Sustainability Using Information Systems: The Trajectory Towards Thrivable Transformations, Fedeli & Shrestha (2020).

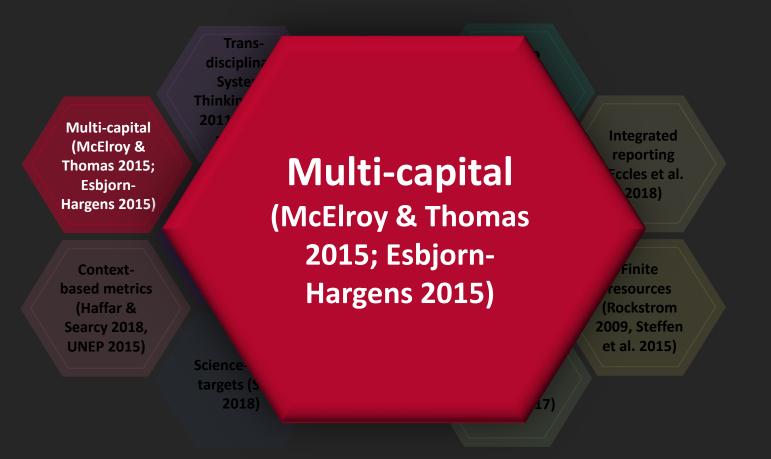




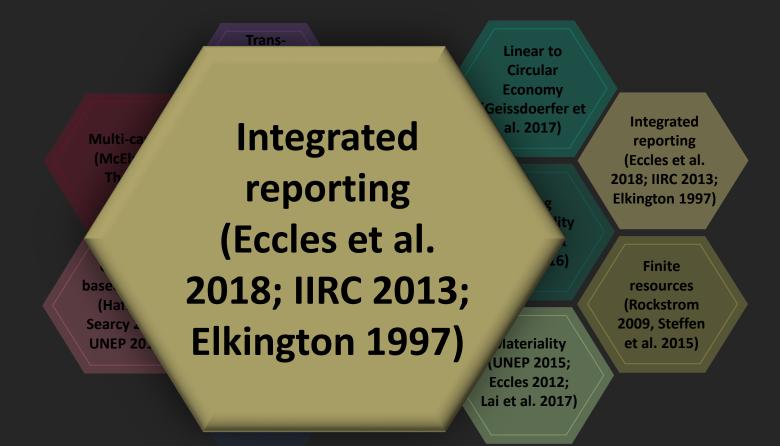




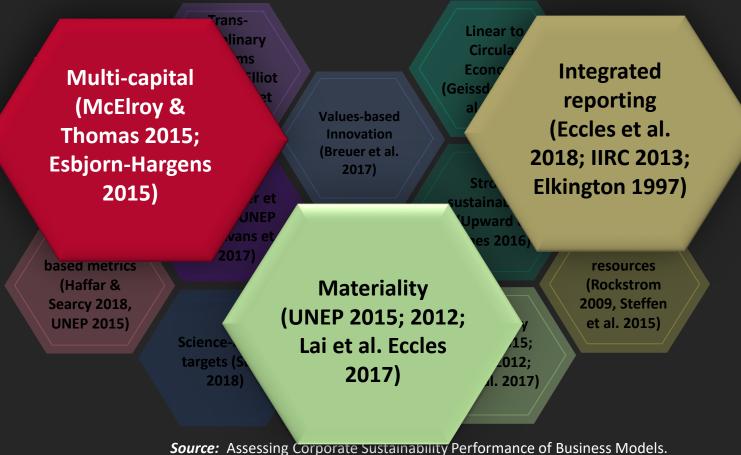




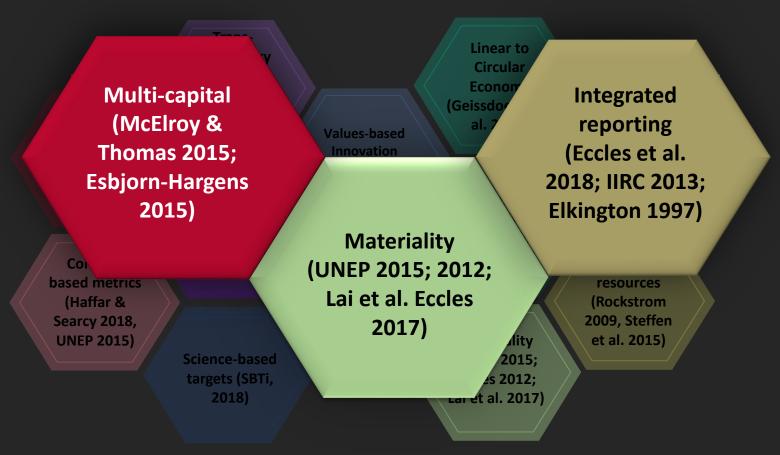




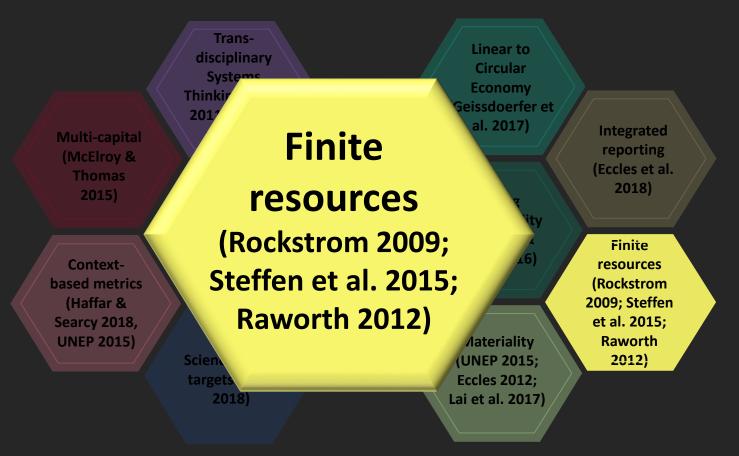




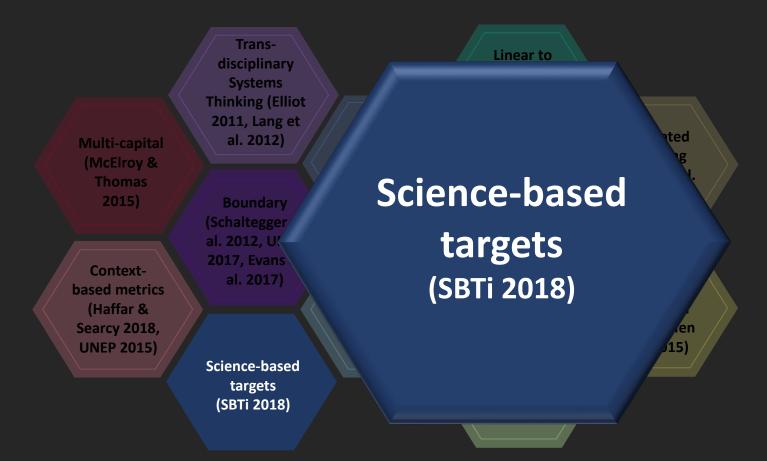




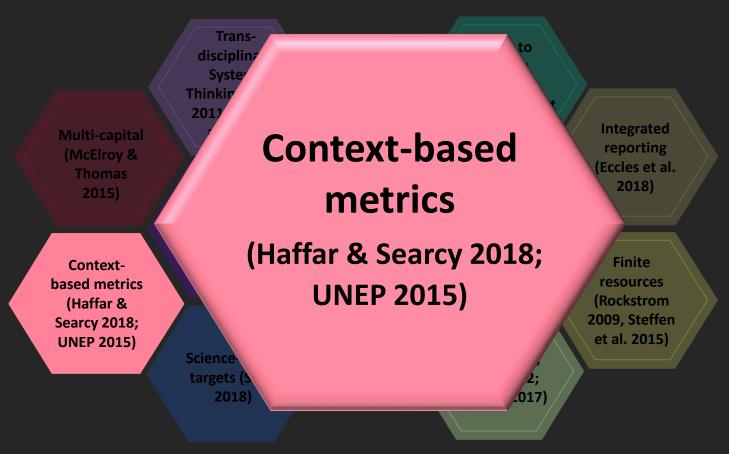














Trans-

disciplinary

Systems **Multi-capital** (McElroy & **Context-**

Fedeli

based metrics (Haffar & Searcy 2018; UNEP 2015) **Thinking (Elliot** 2011, Lang et al. 2012) (Breuer et al. 2017) Boundary (Schaltegger et al. 2012, UNEP **2017, Evans et** Complex wicked al. 2017) problems

> Science-based targets (SBTi 2018)

Circular Economy (Geissdoerfer et al. 2017) Values-based Innovation

er &

eund

Strong sustainability (Upward &

Linear to

Jones 2016) Materiality (UNEP 2015; **Eccles 2012;** Lai et al. 2017)

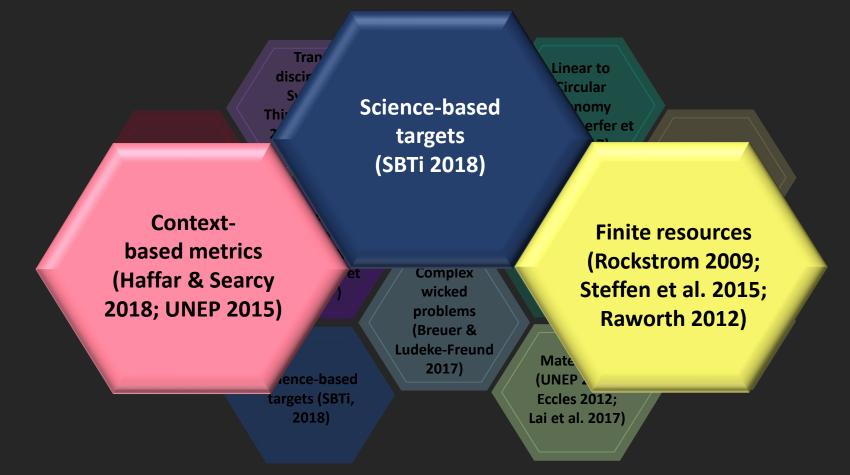
Finite resources (Rockstrom 2009; Steffen et al. 2015; Raworth 2012)

Integrated

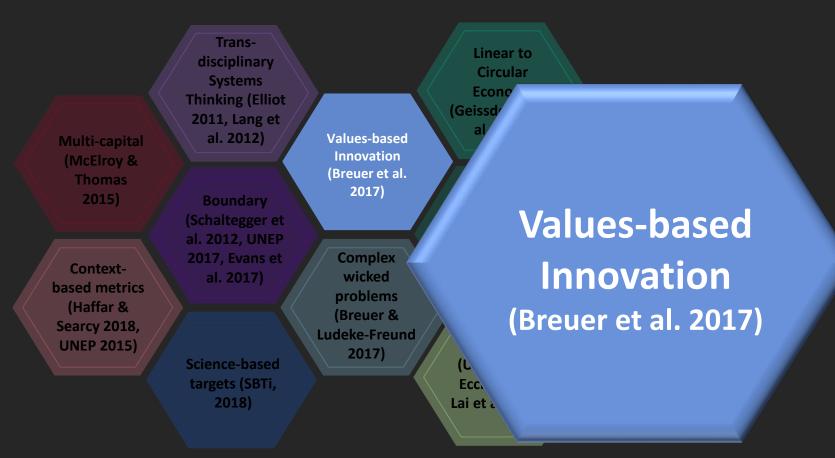
reporting

(Eccles et al.

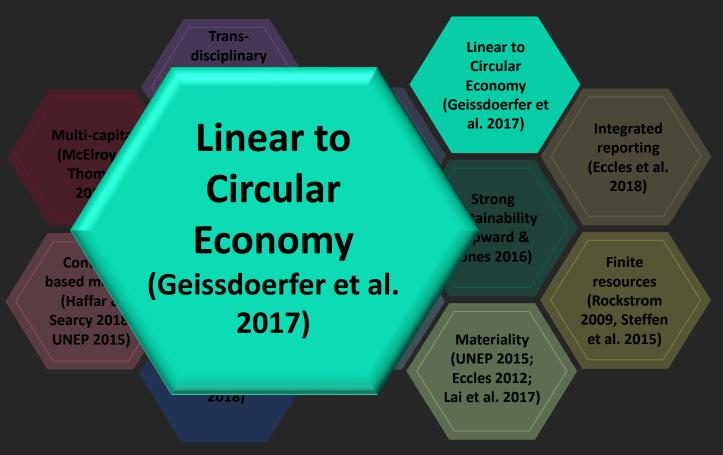
ability Performance of Business Models. a successful sustainable business strategy? vsiness Model Conference in Sofia, Bulgaria in 2018.







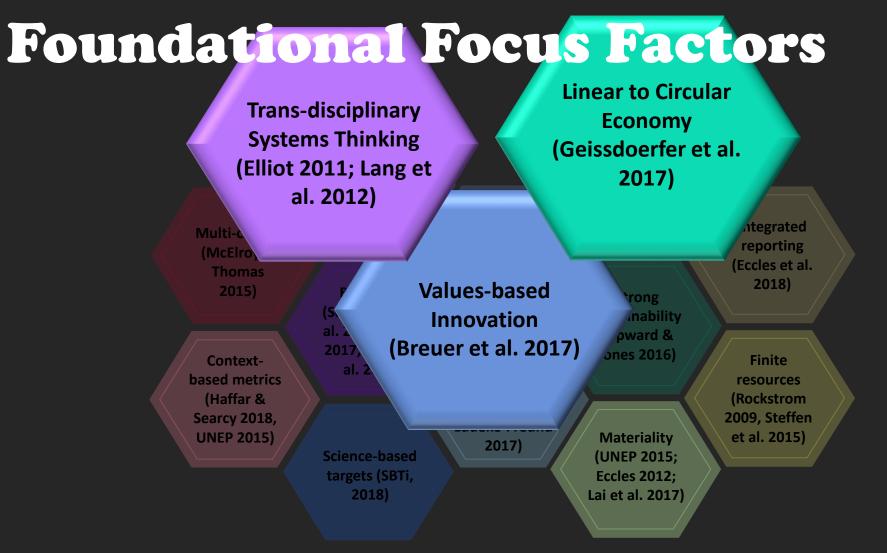




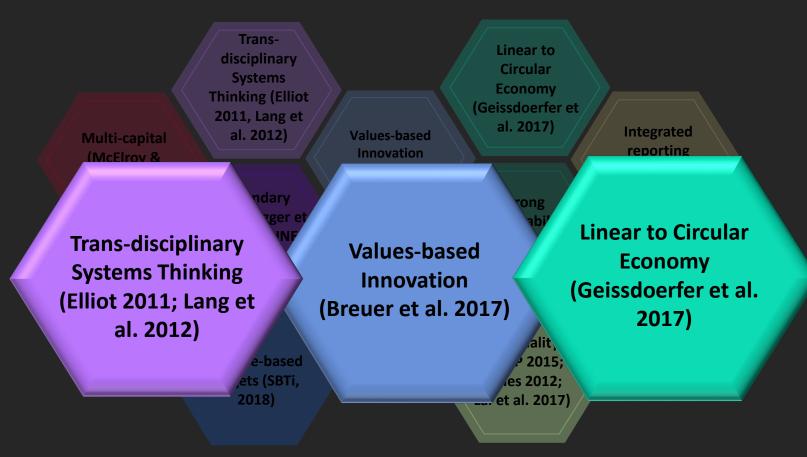




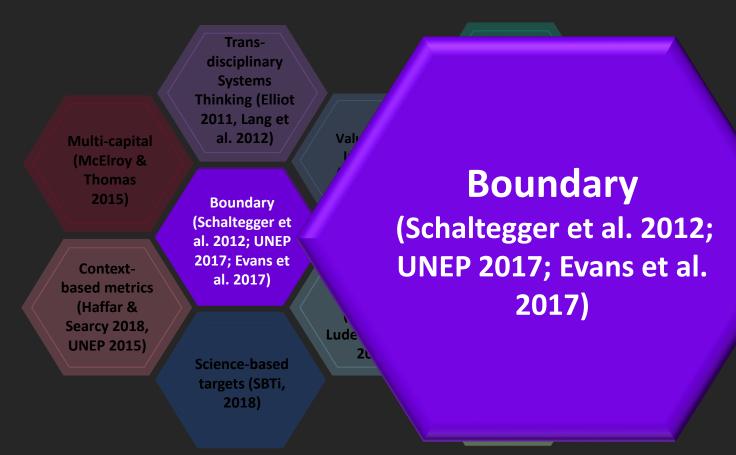








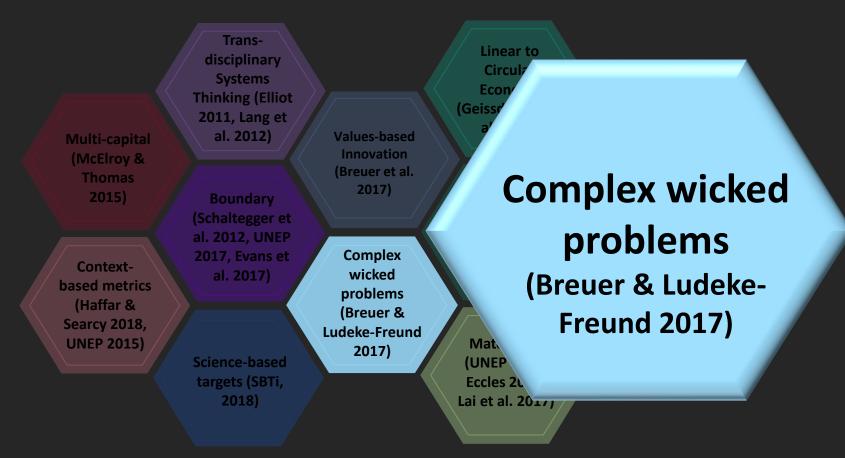










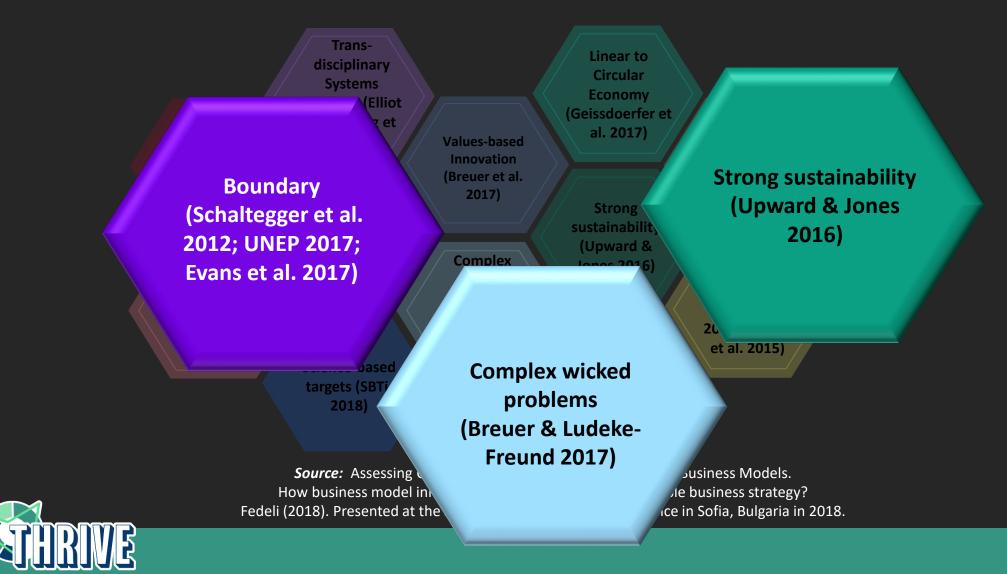




Complex wicked problems (Breuer & Ludeke-Freund 2017)

Trans-Linear to disciplinary Circular Systems Economy **Thinking (Elliot** (Geissdoerfer et **Boundary** 2011, Lang et al. 2017) Integrat Values-based al. 2012) (Schaltegger et al. repor Innovation ov & 2012; UNEP 2017; (Breuer et al. (Eccles 2017) 2018) **Evans et al. 2017)** Boundary Strong (Schaltegger et ustainability al. 2012, UNEP Upward & 2017, Evans e nes 2016) Finite **Context**based metrics resources Strong (Haffar & (Rockstrom sustainability Searcy 2018, 2009, Steffen et al. 2015) **UNEP 2015)** lity (Upward & Jones Science-ba 2015; 2016) targets (SBT) es 2012: 2018) et al. 2017)





Systemic Holistic Model





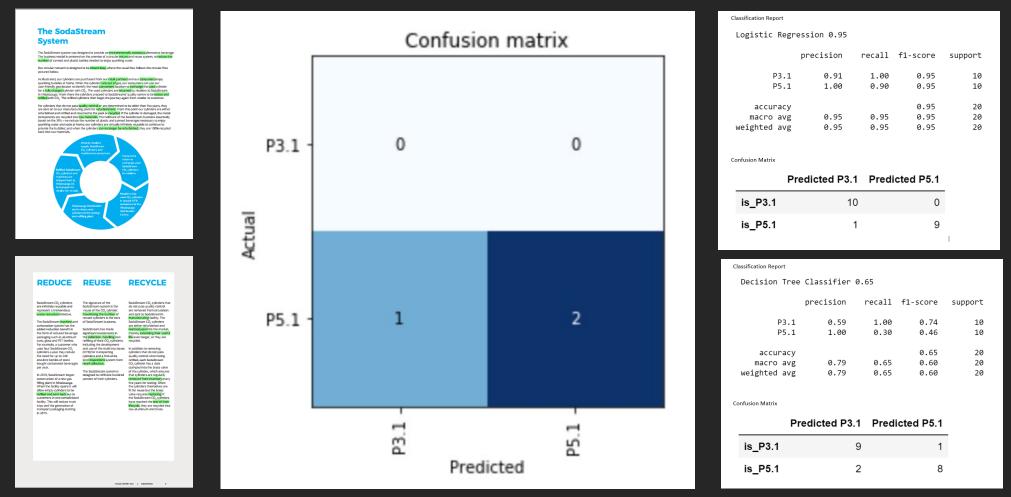
Source: Foundational Focus Factors For Strong Sustainability Using Information Systems: The Trajectory Towards Thrivable Transformations, Fedeli & Shrestha (2020).

Ciambella Chart





Entity Model and Strategy Linking



Source: The Classification of Sustainable Business Model Patterns using Machine Learning, Fedeli & Lüdeke-Freund (2020).



THRIVE Platform v2.0



Sustainability Performance Scorecard

THRIVE Platform features the Sustainability Performance Scorecard tool which allows entities such as enterprises, portfolios, or cities to identify their performance at various scales, within context and relative to their peers. Users such as consumers may manipulate engine weights and controls in the dashboard and see the corresponding effects on entities visualized through charts and maps.



Contextualized

Supports global thresholds, ceilings and floors, and allocations.

Reports

Report dissections include by material topic, enterprise, portfolio, region, industry or year-on-year.



Integrated

Integrates with a range of public audited reports and trusted databases.



Visualizations

Instant visuals dissected by chosen category displayed as a range of charts and maps.

Seafood Industry





Seafood Stewardship Index

		Dashboard filters	s : 2 - Enterprise (Company) \	WSSI 01/12/2019 01/12/2	2019 FE06 - Seafood Stewa	rdship Method (Enterprise)	WF00 - Default Weight		0 ^	
			Choose level* 2 - Enterprise (Company + Choose formula engine* FE06 - Seafood Stewardsh	Choose weight engine* ip Meth + WF00 - Default Weight		Rank 1 of 30 Score 2 0.251				
					Table				? ^	
PRESET ~ 30 topics selected			selected	< <double-click cell="" change="" on="" the="" to="" value="" weight="">></double-click>						
	Weight	Торіс	Classification	Allocation	Inner Limit	Outer Limit	Impact	SPi		
	1.000	BIOM - BioMar Group	WSSI	0.000	0.000	0.000		2.218	•	
	1.000	BKK: CPF - Charoen Pokphand Fo	WSSI	0.000	0.000	0.000		2.317		
	1.000	BKK: TU - Thai Union Group	WSSI	0.000	0.000	0.000		2.698		
	1.000	BME: PVA - Nueva Pescanova	WSSI	0.000	0.000	0.000		2.039		
	1.000	BUMB - Bumble Bee Foods	WSSI	0.000	0.000	0.000		1.272		
	1.000	CARG - Cargill Aqua Nutrition	WSSI	0.000	0.000	0.000		1.872		
	1.000	COOK - Cooke	WSSI	0.000	0.000	0.000		0.406		
	1.000	FCFC - FCF Co., LTD.	WSSI	0.000	0.000	0.000		1.527	-	



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Seafood Stewardship Index

		Dashboard filters	: 2 - Enterpris	e (Company) WSSI 0	1/12/2019 01	I/12/2019 F	E06 - Seafood	Stewardship	Method (Enter	prise) WF00	- Default Weig	ht		0 ^
	Choose level* Choose classification* Start Date* End Date* Rank 2 - Enterprise (Comp + VSS) • 01/12/2019 • 1 of 30 Choose formula engine* Choose weight engine* Choose the entity Score FE06 - Seafood Stewardship Met* WF00 - Default Weight • BKK: TU - Thai Union Group × 1 of 30 Score • BKK: TU - Thai Union Group × 2 of 30													
	Table										? ^			
PRESET - 60 topics selected				< <double-click cell="" change="" on="" the="" to="" value="" weight="">></double-click>							Rank	Rank: 1 of 30 Score: 2.698		
	Weight	Торіс	Classification		Allocation		Inner Limit		Outer Limit		Impact		SPi	
	1.000	Sustainability strategy	WSSI A.I.1		0.200		5.000		0.000		5.000		0.500	^
	1.000	Governance and accountability	WSSI A.I.2		0.200		5.000		0.000		5.000		0.500	
	1.000	Public reporting on sustainability	WSSI A.II.1		0.300		5.000		0.000		5.000		0.750	
	1.000	Disclosure of stakeholder engage	WSSI A.II.2		0.300		5.000		0.000		5.000		0.750	
	1.000	Implementation of sustainability	WSSI A.III.1		0.500		5.000		0.000		5.000		0.833	
	1.000	Stakeholder engagement	WSSI A.III.2		0.500		5.000		0.000		5.000		0.833	
	1.000	Engagement for policy advocacy	WSSI A.III.3		0.500		5.000		0.000		2.500		0.417	
	1.000	Traceability of origins	WSSI B.I.1		0.200		5.000		0.000		3.500		0.350	-



Seafood Industry – Thai Union







Thank You

- Register for free
- Book a Guided Tour
- Collaborate and co-develop
- Web:

http://www.strive2thrive.earth

• Email:

<u>hello@strive2thrive.earth</u>





APPENDIX Supplemental Materials

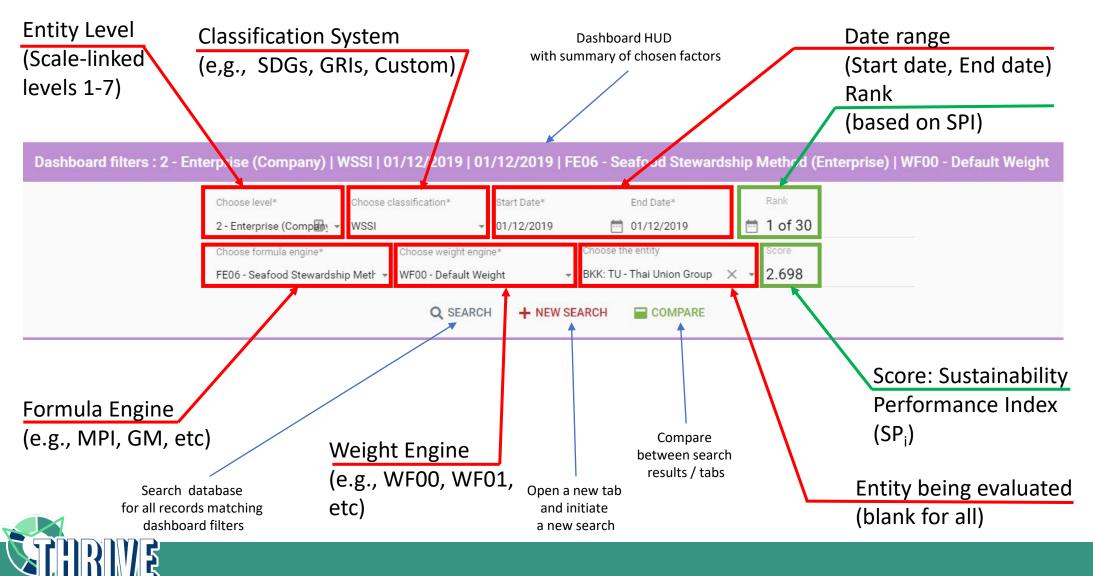


Ciambella Chart

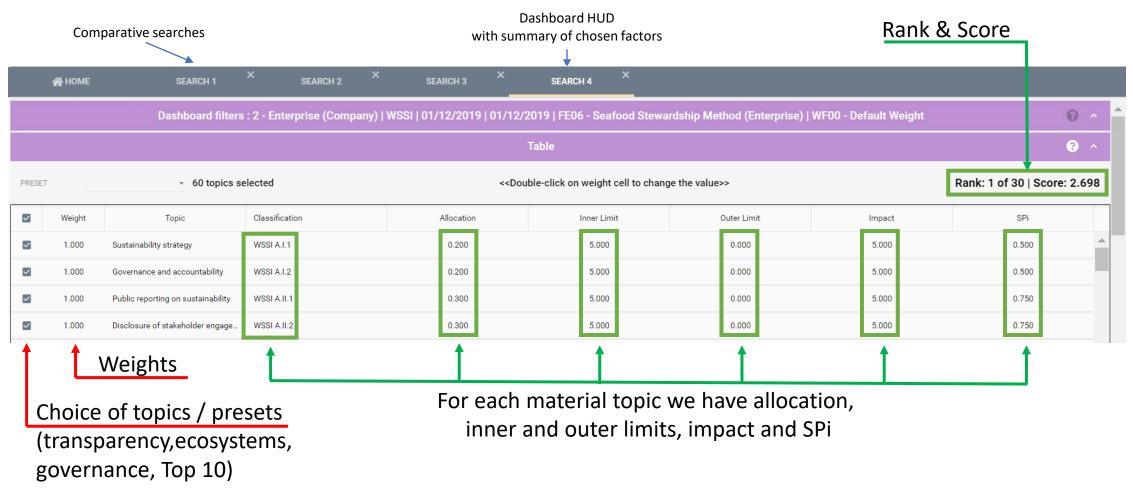




THRIVE Platform Dashboard



THRIVE Platform Results - Table





THRIVE Platform Results - Chart

Rank & Score ? ^ Chart Rank: 1 of 30 | Score: 2.698 INFOGRAPHIC Show chart legend Chart Type Doughnut * WSSI A.I.1 WSSI C.I.5 WSSI C.II.1 WSSI A.I.2 WSSLA II 1 WSSI C.II.2 WSSIA112 WSSI C.II.3 WSSID.II.2 WSSI A.III.1 INCCLC1 WSSI D.II.3 WEELA III 2 WEELCH WSSI D.II.4 WSSI D.III.1 WSSI A.III.3 WEELCH WSSI D.III.2 WSSI B.I.1 WSSI-C WSSI B.I.2 WSSI C.II WSSID.III.3 WSSI B.II.1 WSSI C. WESI D.III.4 WSSI B II 2 WSSI D.III.5 WSSLCU WSSI B II 3 WSSI C.II WSSI D III.6 WSSI B.III.1 WSSLCII WSSI E.I.1 WSSI B III 2 WSSI E.I.2 WSSI CII WSSI E.I.3 WSSI E.II.1 NCCL P III Weel C II WEELB III 5 WSSI E.II.2 WSSLDT NSSI R III G WSSI D.I.2 WSSI E.III.1 WSSI C.I.1 WSSI D.I.3 WSSI E.III.2 WSSI C.I.2 WSSI D.I.4 WSSI C.I.3 WSSI D.1.5 WSSI C.I.4 WSSI D.II.1



THRIVE Platform – Business Model Patterns

Model					×
D	Name	Group	Content	Source	
P5.1	Green Supply Chain Management	Supply Chain Patterns	There is growing pressure on companies to be more transparent and efficient, e.g. in terms of using natural resources and avoiding risks and harms to their supply chain partners and customers.	Bisgaard et al., 2012	
P3.2	Maximise material productivity and energy efficiency	Ecodesign Patterns	Because of increasing threats to human health and natural ecosystems there is a growing need of reducing the use of finite resources and diminishing waste and pollution.	Bocken et al., 2014	

