Convergence analysis of approaches developed to measure societal progress

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Introduction: Statistics Netherlands and the measurement of SD



Progress? Where are we now?

- Hundreds of systems
 - Many terms: Wellbeing, Progress, Beyond GDP, Sustainable
 Development, Green Growth, Corporate Social Responsibility etc.
 - Many scale levels: National, city, regional, company, product
- Differences of opinion
 - Composite indicators vs. indicators sets
 - Conceptual basis vs. stakeholder based
 - Environment vs. broad sustainability
- Good and bad news:
 - Good News: A lot of energy and dynamism
 - Bad News: Mixed message to society
- What is needed: A process of convergence



Why convergence?

- Arguments for convergence
 - Clarity towards society
 - International comparability
 - Working together
- Arguments against convergence
 - Different preferences (Stakeholder involvement)
- Misconceptions
 - It is just a matter of choosing one of the current systems
 - Convergence leaves no flexibility
 - This is the golden ticket to success in GDP and Beyond
 - The convergence process needs to be started now

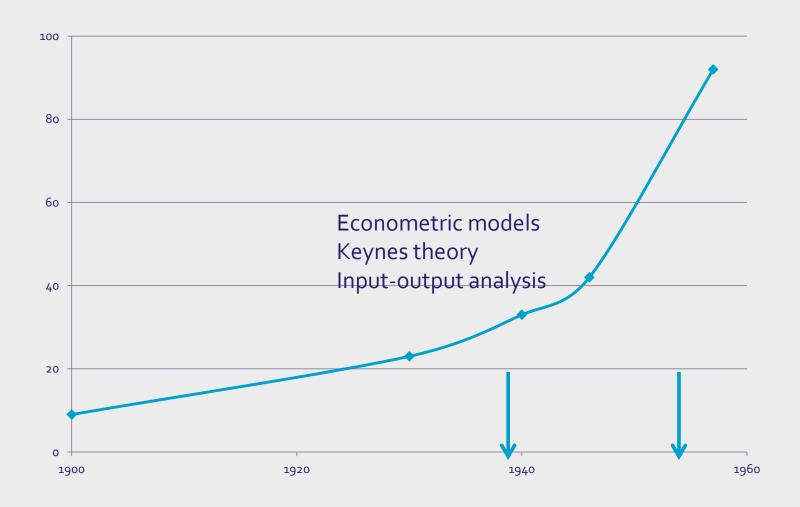


Understanding convergence

- History of GDP
 - How did the system of national accounts converge?
- 2. History of measuring SD
 - Where are we now in the convergence process?
- 3. Comparison of measurement systems for SD
 - How different are the current systems?
- 4. Moving forward

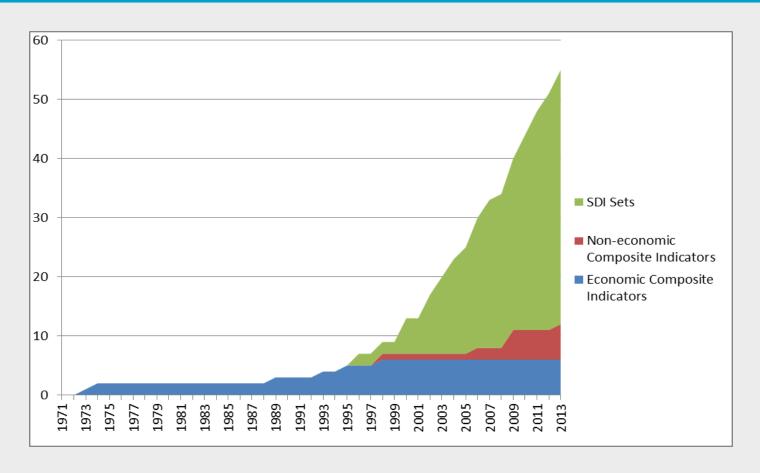


History of GDP: Countries with NI estimates



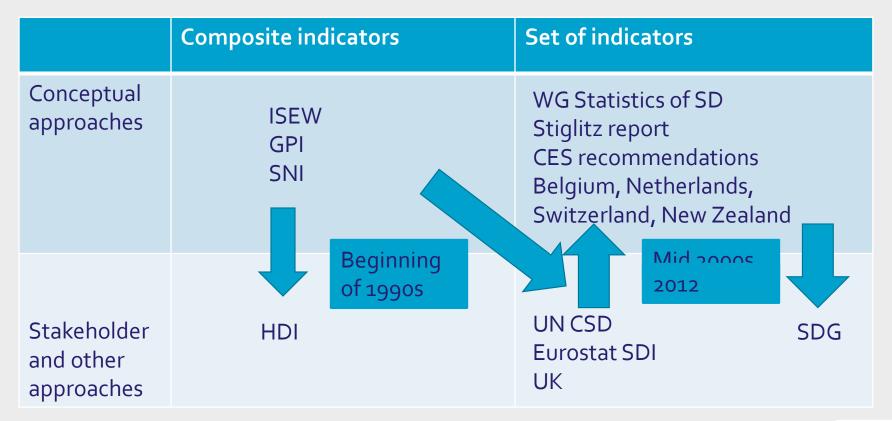


History of measuring SD in three figures: Figure 1





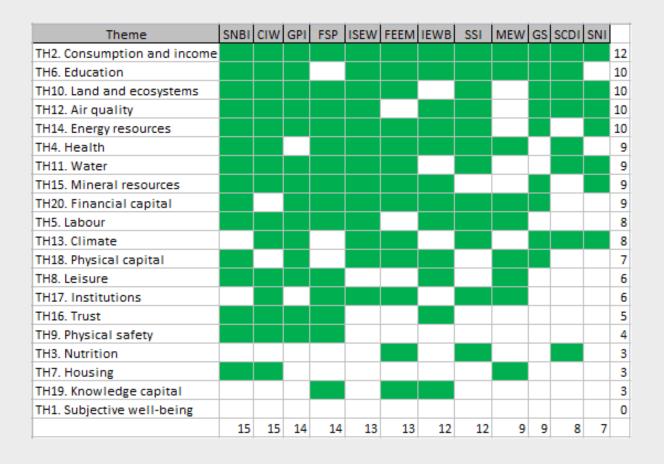
History of measuring SD in three figures: Figure 2



History of measuring SD in three figures: Figure 3

Progress	Sustainable development						Green Growth	1
	"Here and now"		"Later" (Sustainability)			"Elsewhere"		
	Well-being	Economic capital	Natural capital	Human capital	Social capital			
		Capitalannro	ach /Wealth acco	unting (Morld Pr	mk) (mid ans)			
		Сарітагаррго	acti / wealth accor	Jiiting (World Be	mik) (mid gos)		model is: to National Acc conomic mode	
	UNECE/Euros	tat/OECD WG on Sta	tistics on Sustain	able developme	nt (2005-2009)	Þ		
	Stiglitz-Sen-Fittou	si report (2009)/Spoi	nsorship Group (E	urostat/INSEE)				
	CES rec	ommendations (UN	ECE-Eurostat-OE	CD (2009-2013)			•	
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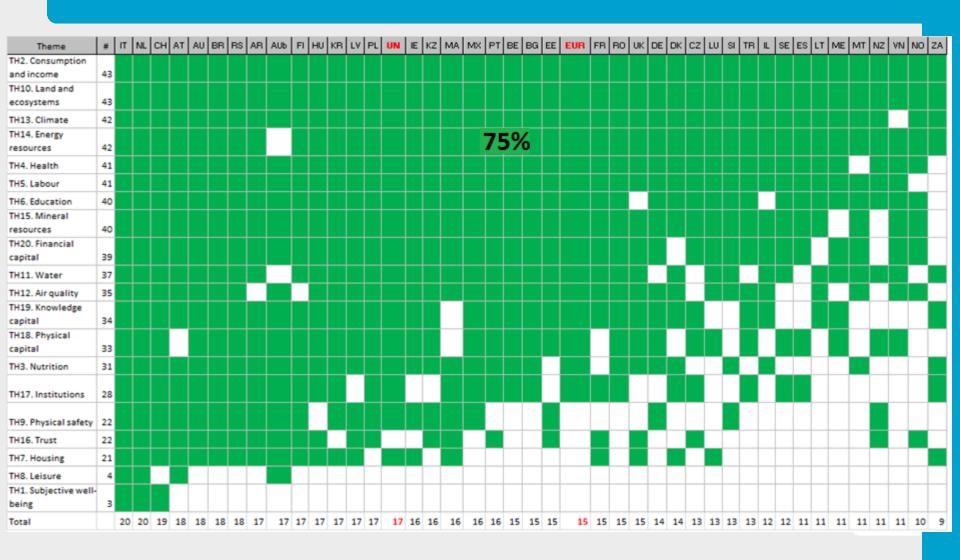
Comparison of measurement of SD: Composite indicators



59%



Comparison of measurement of SD: Indicator sets



Comparison of measurement of SD: Popular indicators

Themes	Most used indicator
TH1. Subjective well-being	Life satisfaction
TH2. Consumption and income	Gross Domestic Product
TH ₃ . Nutrition	Drinking water
TH4. Health	Life expectancy at birth
TH5. Labour	Unemployment rate
TH6. Education	Educational attainment
TH7. Housing	Housing quality
TH8. Leisure	Leisure time
TH9. Physical safety	Recorded crime
TH10. Land and ecosystems	Protected areas
TH11. Water	Water quality
TH12. Air quality	Acidifying emissions
TH13. Climate	GHG emissions
TH14. Energy resources	Energy intensity
TH15. Mineral resources	Generation of waste
TH16. Trust	Voluntary work
TH17. Institutions	Voter turnout in elections
TH18. Physical capital	Gross fixed capital formation
TH19. Knowledge capital	R&D expenditures
TH20. Financial capital	Government debt

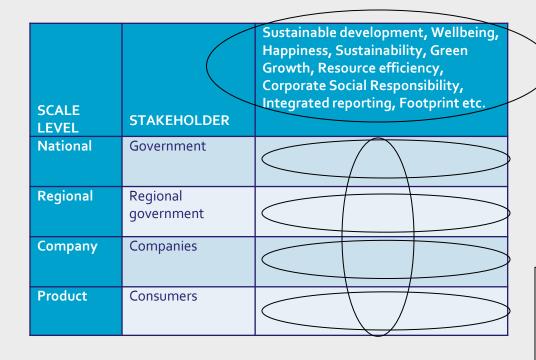


Comparison of measurement of SD: Country differences

Biased to higher income countries	Biased to lower income countries		
Obesity prevalence	Wastewater treatment		
Official Development Assistance	Sanitation		
Physical exercise	Drinking water		
Smoking prevalence	Land degradation		
Mental well-being	Biofuel		
Voluntary work	Literacy rate		
Family/friends/neighbours	E-government		



Moving forward: Convergence



Example:

Measuring what matters (UK) CBS/GRI/TSC (The Netherlands)

Vertical convergence

Conceptual convergence

Horizontal convergence

Example:

System of Environmental and Economic accounts (SEEA)
Global Reporting Initiative





Conclusions

- Convergence takes a long time, but is already taking place
- Convergence needs institutional sponsors
- Despite their differences there are many similarities of systems
- More reserach into convergence rather than new systems



More information

- Sustainability Monitor for the Netherlands
 - www.monitorduurzaamnederland.nl
- CES recommendations
 - http://www.unece.org/fileadmin/DAM/stats/publications/2013/
 CES_SD_web.pdf
- Convergence report
 - http://www.eframeproject.eu/fileadmin/Deliverables/Deliverable2.5.pdf
- Alignment project
 - http://measurewhatmatters.info/news/aligning-sustainable-development-metrics-at-national-company-and-product-levels/

