



# Validation of an Analytical Framework to Measure Sustainability

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September 14, 2017

Washington DC

# Leading Discussion Points

- ① Definition of sustainability
- ① Measures of sustainability
- ① Reasons that explain sustainability



# Background (*hypothetical*)

- © Project Objective: Evaluate effect of efforts for recovery and restoration after a public health emergency
- © Funding Level for Post Emergency Response: \$800 million
- © Geographic Area of Focus: Sub-Saharan Africa
- © Duration: Three years
- © Scope: Multi-sectoral



# Thematic Intervention Areas

- © Agriculture and Food Security
- © Non-Emergency Health Services, Health Systems and Survivor Program
- © Primary Education
- © Governance & Crisis Mitigation
- © Economic Growth
- © Innovation, Technology and Public-Private Partnerships

# Illustrative Sustainability Definitions

## ©UN System

- ✦ Definition: meet the needs of the present without compromising future generations ability to meet their own needs.
- ✦ Aspects of sustainable development:
  - Empower people to make sustainable (consumption) choices;
  - Work towards a sustainable economy (that is environmentally sensitive);
  - Strengthen institutional governance to support sustainable development.

## ©USAID

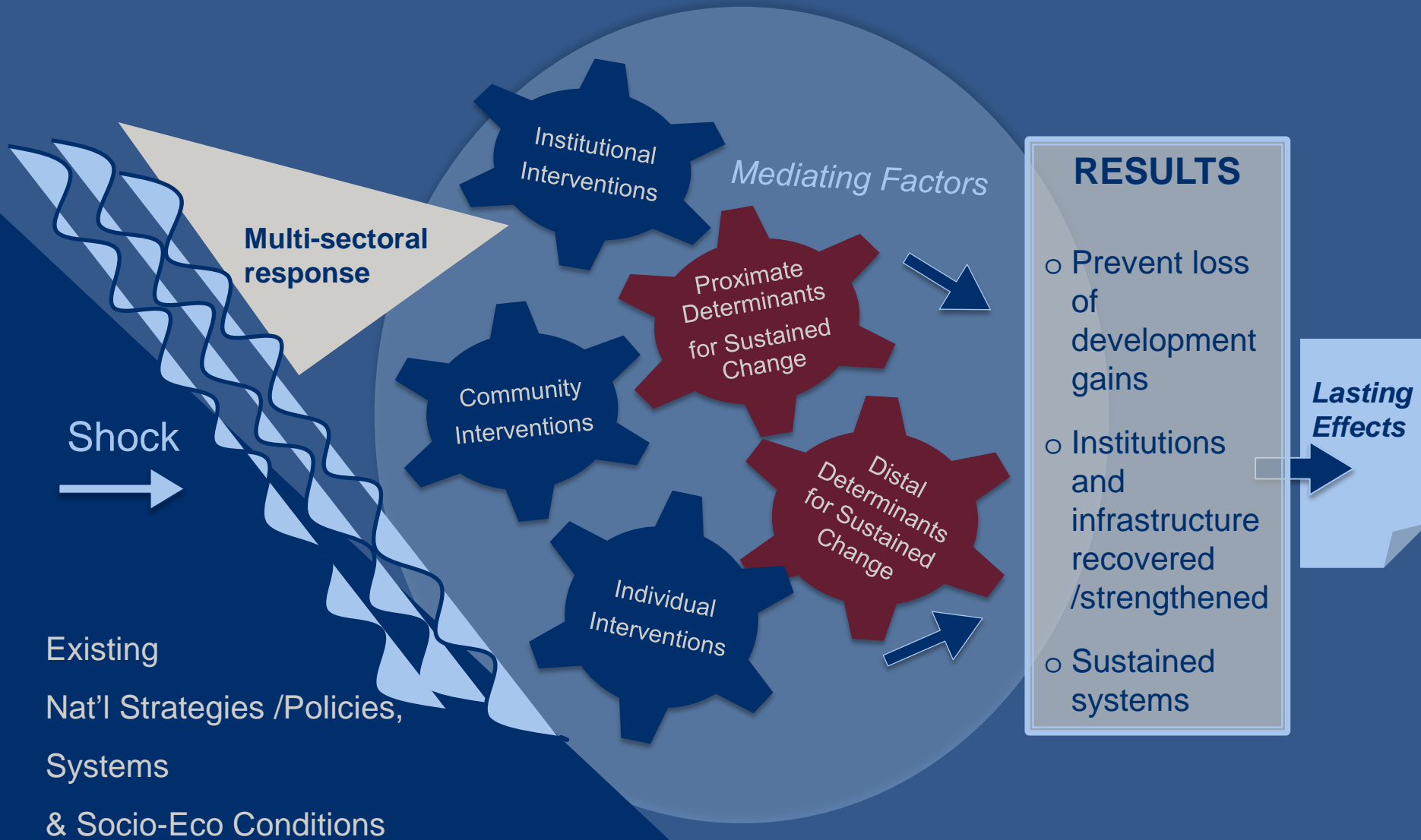
- ✦ Definition: ability of a local system to produce desired outcomes over time, including ability to be both resilient and adaptive in the face of changing circumstances.
- ✦ Local = not imported; systems = interconnected actors that produce a development outcome.
- ✦ Locally driven and inclusive of popular aspirations.

# Programmatic Interpretation of Sustainability: *Working Definition*

- © Institutional and individual performance at or beyond pre-crisis levels maintained after special funding has ended in response to an epidemic: *post-project effects*
- © *Time and permanence, place, institutional capabilities, individual perspective* (demand, cultural congruence, ownership) and *resilience* as implicit dimensions
- © Two inter-related criteria: *restoration and persistence*



# Incipient Analytical Framework

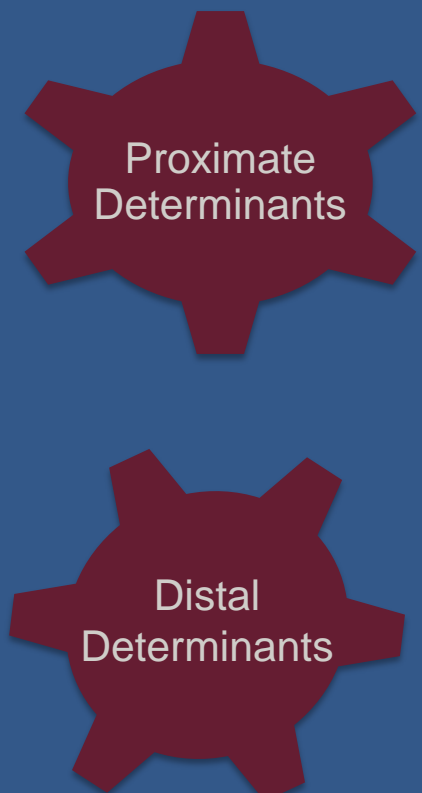


# Why Are Effects Sustained?

- ◎ Policy?
- ◎ Financial resources allocated from national or private sector accounts?
- ◎ Operation and maintenance concerns addressed by design?
- ◎ Institutional support?
- ◎ Accountability?
- ◎ Human dimension/demand?
- ◎ Community and individual resilience?
- ◎ Enabling environment & context?
- ◎ Others??



# Potential Dimensions of a Framework\*



	Intervention Type 1: Income support <i>(e.g., cash transfers, food for work)</i>	Intervention Type 2: SBCC <i>(e.g., IPC training, community radio, stigma reduction)</i>	Intervention Type 3: Improving infrastructure <i>(e.g., roads, power, internet)</i>
Factors Determining Sustainability			
Policy			
Financial			
Institutional Support			
Technical Choices			
Accountability			
Human Dimension			
Contextual Considerations			

\* Inspired by Aquaconsult's work on the Sustainability Tool for WASH

# Group Discussion Questions

1. Do we need to modify our definition of sustainability? What dimensions of sustainability should be added or removed?
2. Do you agree with the distal and proximate determinants? What are the implications for evaluation purposes?



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# Bibliography

1. Bill and Melinda Gates Foundation. (2014). Sustainable Agriculture, Food Security and Nutrition in the Post-2015 Framework. Seattle.
2. Edgren, L. (2008). The meaning of integrated care: a systems approach. *International Journal of Integrated Care*, 8, e68.
3. Frankenberg T, Mueller M, Spangler T and Alexander S. (2013). Community Resilience: Conceptual Framework and Measurement Feed the Future Learning Agenda. Westat.
4. James M. (2009). Reducing Corruption in the Judiciary. Office of Democracy and Governance. USAID Program Brief. DPK.
5. Johnson, K., Hays, C., Center, H., & Daley, C. (2004). Building capacity and sustainable prevention innovations: a sustainability planning model. *Evaluation and Program Planning* 27, 135-149.
6. Kopinak, J. K. (2013). Humanitarian Aid: Are Effectiveness and Sustainability Impossible Dreams? *The Journal of Humanitarian Assistance*.
7. Malliga M & Paulose H. (2016). Emergence of sustainability based approaches in healthcare; expanding research and practice. *Procedia Social and Behavioral Sciences*, 224, 554-561.

# Bibliography (continued)

8. Martens, M L & Carvalho, M L. (2014). A conceptual framework of sustainability in project management. Paper presented at Project Management Institute Research and Education Conference, Phoenix, AZ.
9. McCord A, Holmes R and Harman L. (2017). Indicators to Measure Social Protection Performance: Implications for EC Programming. European Commission.
10. OECD (2014) Guidelines for resilience systems analysis, OECD Publishing.
11. Olsen I T. (1998). Sustainability of health care: a framework for analysis. *Health Policy and Planning* 13 (3): 287-295.
12. Osorio-Cortes L, Jenal M, Brand M. (2013). Monitoring and Measuring Change in Market Systems: The Systemic M&E Principles in the Context of the Kenya Market Assistance Program. SEEP.
13. Pluye, P., Potvin, L., & Denis, J.-L. (2004). Making public health programs last: conceptualizing sustainability. *Evaluation and Program Planning* 27, 121-133.
14. Pluye, P., Potvin, L., Denis, J.-L., Pelletier, J., & Mannoni, C. (2005). Program sustainability begins with the first events. *Evaluation and Program Planning* 19, 123-137.

# Bibliography (continued)

15. Saldana, K. (2017, July 19). Health Systems- Why do they matter for the developing world? Retrieved from GROWTH: <http://growthevidence.com/growth-commentaries/>
16. Sarriot, E. G., Winch, P. J., Ryan, L. J., Bowie, J., Kouletio, M., Swedberg, E., Pacque, M. C. (2004). A methodological approach and framework for sustainability assessment in NGO-implemented primary health care programs. *International Journal of Health Planning and Management*, 23-41.
17. Schweitzer R W, Grayson C and Lockwood H. (2014). WASH Sustainability Index Tool (SIT). AGUACONSULT
18. Seghezze L. (2009). The five dimensions of sustainability. *Environmental Politics*, 18:4, 539-556.
19. USAID. (2014). Local Systems: A Framework for Supporting Sustained Development.  
<https://www.usaid.gov/sites/default/files/documents/1870/LocalSystemsFramework.pdf>
20. Vyas S and Kumaranayake L. (2006). Constructing socio-economic status indices: how to use principal component analysis. *Health Policy and Planning*, 21:6, 459-468.

# Bibliography (continued)

21. Windle, G., Kate, B. M., & Noyes, J. (2011). A Methodological Review of Resilience Measurement Scales. *Health and Quality of Life Outcomes*, 1-18.
22. World Health Organization. (2008). *Toolkit on Monitoring Health Systems Strengthening: Service Delivery*. Geneva.
23. Zimmerman, M. A. (2013). Resiliency Theory: A Strengths-Based Approach to Research and Practice for Adolescent Health. *Health Education & Behavior*, 381-383.