



Kumasi Branch Meeting Continuous Professional Development

THE ROLE OF THE PROJECT MANAGER IN ACHIEVING THE SUSTAINABLE DEVELOPMENT GOALS (SDGs)

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Environmental Crisis







Emissions are heading to a 4.0-6.1°C "likely" increase in temperature Large and sustained mitigation is required to keep below 2°C



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Economic Crisis

A severe economic downturn with shrinking GDP, rising unemployment, and a drying up of liquidity.



precedes an



Low consumer and business borrowing High and rising unemployment Inflation/deflation Recession/depression









Social Crisis

















The waters in Venice, Italy, peaked at 1.87m (6ft) 2019









California's wildfires cost \$25billion (2017)



Recent Australia fire











Recent Australia fire

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Cyclone Idai caused severe flooding in Mozambique March, 2019







Accra Floods, June 12 2016









Ghana sea rise at populated shore (2009)







The fishing village of Totope is disappearing as the rising sea and worsening coastal erosion bury buildings in sand. The villagers say they were once three miles from the sea. Here women sweep sand towards the sea in a forlorn attempt to prevent their homes from being buried completely (*Quarmyne, 2016*)





Keta Sea Defense Project, 2016







The political process/journey

1992: Agenda 21 (Rio)



2000: Millennium Development Goals

2002: World Summit on Sustainable Development

2012: The Future we Want (Rio+20)

2015: Sustainable Development Goals









Three Dimensions of Sustainable Development

- Sustainable development has been defined as development that meets the needs of the present without compromising the ability of future generations to meet their own needs.
- For sustainable development to be achieved, it is crucial to harmonize three core elements: economic growth, social inclusion and environmental protection.









Another Way to Look at SDGs – The Five Ps





SDGs







THE DEFINITIVE GUIDE TO PROJECT MANAGEMENT Sebastian Nokes and Sean Kelly

Third edition

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The fast track to getting the job done on time and on budget A PROJECT is a temporary endeavor designed to produce a unique product, service or result with defined beginning and end (usually time-constrained, and often constrained by funding or staffing) undertaken to meet unique and objectives, goals typically to bring about beneficial change or added value (Nokes, 2007)







Project management is the practice of initiating, planning, executing, controlling, and closing the work of a team to achieve specific goals and meet specific success criteria at the specified time (Philips, 2003)

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Project manager, then, should have the professional ability to apply knowledge, skills, tools, and techniques to project activities to meet the project requirements. (www.pmi.org)





WHY IS PROJECT MANAGEMENT CRITICAL TO ACHIEVING SDGs? – Cont'd



Redeeming the planet from crisis requires overcoming the primary project constraints of scope, time, quality and **budget**

The PM requires to sharpen cost and time management skills to achieve economic sustainability of Projects















"To meet the global SDGs, an estimated USD \$97.5 trillion of investment in infrastructure projects is required globally by 2040" (Global Infrastructure Hub, 2017)





WHY IS PROJECT MANAGEMENT CRITICAL TO ACHIEVING SDGs? – Cont'd



Prevalence of Grand Challenges –

The PM is expected to set "ambitious but achievable goals that harness science, technology, and innovation to solve important national or global problems" (OSTP, 2013)







WHY IS PROJECT MANAGEMENT NEEDED TO ACHIEVE SDGs? - Cont'd



Achievement of SDGS requires Corporate Leadership and Business Capacity Growth (Opoku and Chris, 2011)

The leadership role required for overcoming the challenges militating against achievement of most of the SDGs resides in Project Managers







SELECTED SDGs DIRECTLY RELATED TO PROJECT MANAGERS' ROLES







Goal 7: Ensure access to affordable, reliable, sustainable and modern energy for all



AFFORDABLE AND CLEAN ENERGY United Nations DPI

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RWE Renewables in Sweden ranks among the largest global players in power generation







Goal 9: Build resilient infrastructure, promote sustainable industrialization and foster innovation













The \$141 million project aims to revitalize the neighborhood and increase social well being through flood-risk reduction and land subsidence deceleration.





New Orleans, USA

The Mirabeau Water Garden is designed to be a 25-acre recreational and educational site and will store up to 10 million gallons of stormwater.







Goal 11: Make cities inclusive, safe, resilient and sustainable













RIYADH'S SUSTAINABLE FUTURE PROJECT

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Goal 12: Ensure sustainable consumption and production patterns











"the use of services and related products, which respond to basic needs and bring a better quality of life while minimizing the use of natural resources and toxic materials as well as the emissions of waste and pollutants over the life cycle of the



service or product so as not to jeopardize the needs of future generations" (One planet network, 1994)





Responsible Energy use and smart consumption habits





Goal 13: Take urgent action to combat climate change and its impacts









Reduce greenhouse gas emissions and strengthen resilience and adaptive capacity Integrate climate change measures into national policies and organizational policies, strategies and planning; and improving education

CLIMATE CHANGE ACTIONS

Energy projects should be developed on "the built environment." That is, wildlife habitat should not be sacrificed for energy. A renewable energy project should not cause another renewable generator to be curtailed because of transmission constraints.







Change the ways we produce Energy; Responsible Energy Development





Goal 15: Sustainably manage forests, combat desertification, halt and reverse land degradation, halt biodiversity loss









Protect the natural resources that defend a locality against climate impacts





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Goal 17: Revitalize the global partnership for sustainable development











Assuring that countries and organizations cooperate instead of compete

Developing multi-stakeholder partnerships to share knowledge, expertise, technology, and financial support

Improving north—south and South-South cooperation, and public-private partnerships





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CONCLUSION

"There do not appear to be the tools, methods, leadership or business-societyenvironment framework to carry out meaningful <u>measurement of SDG success</u> at project level" (Mansell, 2019: 4)

<u>Mitigation against SDG impacts at project</u> <u>level</u> is not currently working despite the endorsement of the SDGs by all the world's governments







WAY FORWARD for PROJECT MANAGERS

Inclusion and measurement of SDGs at Project Level

Knowledge acquisition in projects relating resilient and adaptive communities and environment

Skills development in practical solutions such as decarbonization and renewable energy technologies

Continuous leadership and business *capacity building* for international trade and partnership







FURTHER READING

Joseph Phillips (2003). PMP Project Management Professional Study Guide. McGraw-Hill Professional, 2003. ISBN 0-07-223062-2 p.354.

Mansell, P., Philbin, S. P., & Plodowski, A. (2019, April). Why project management is critical to achieving the SDGs and how this can be achieved. In *Delft TU Project Management Congress 2019*.

The Definitive Guide to Project Management. Nokes, Sebastian. 2nd Ed.n. London (Financial Times / Prentice Hall): 2007. ISBN 978-0-273-71097-4







