

Sustainability Nexus and Project Management Nexus

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The choices that we make today for ourselves will leave long lasting scars on the planet that we need and the pain will be felt for generations to come

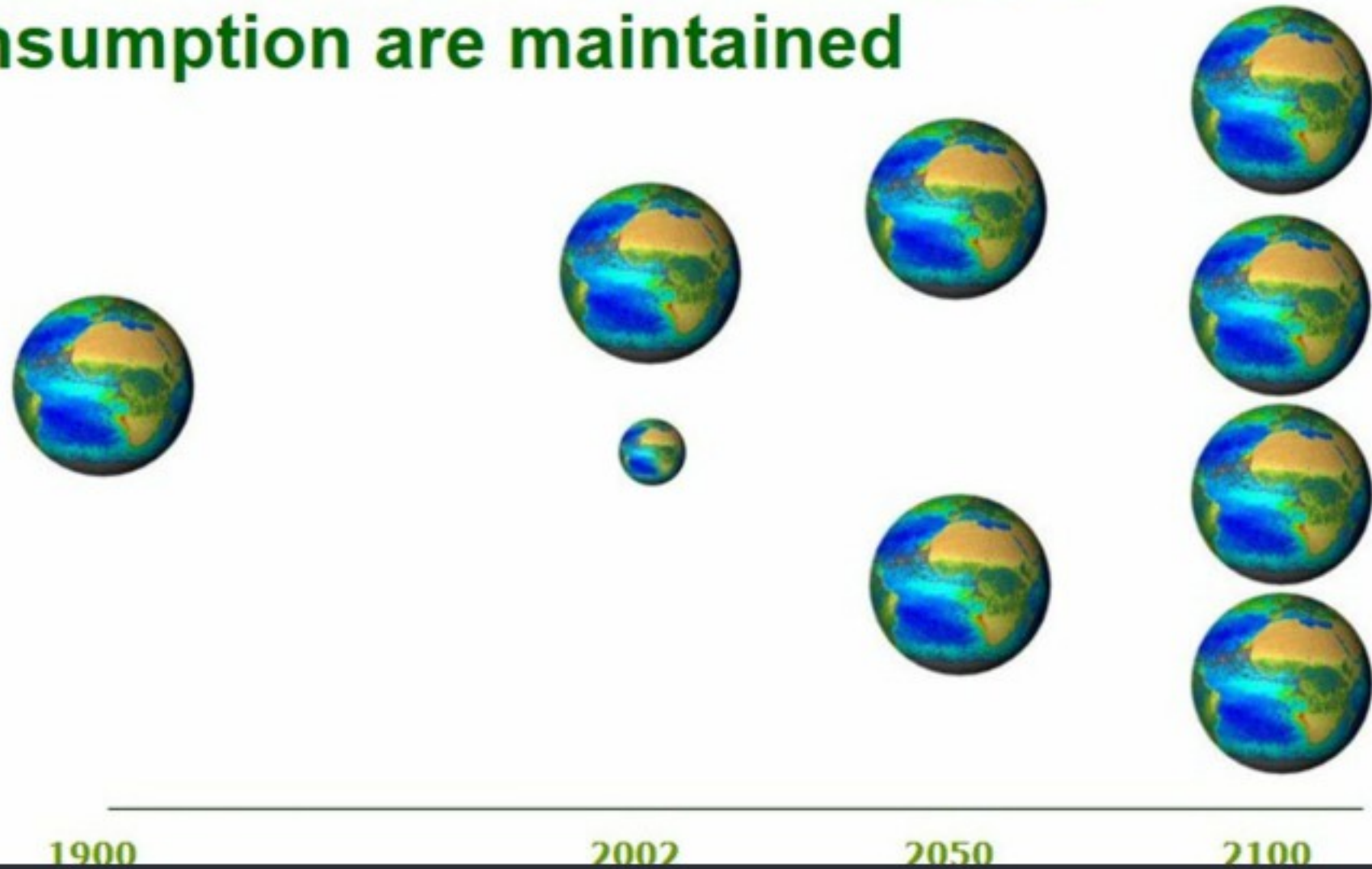


Can you rate your existing knowledge in the following



Two planets by 2050

If current patterns of production & consumption are maintained



With the current patterns of consumption and production we need 2 planet earth's by 2050





Global Context

- The world is currently faced with serious challenges in the area of sustainable development
- Various environmental and social challenges confront society in many ways and different parts of the world
- Business as usual approach will lead to significant challenges for society



Global Sustainability and Environmental Challenges



- Climate Change
- Deforestation
- Depletion of the Ozone Layer
- Land Degradation
- Energy Crises
- Water Scarcity





Sustainability should be embedded in all stages of the project cycle (Source: PMI)



GREEN PROJECT MANAGEMENT

Sustainable Project Management is becoming very popular amongst project managers



Benefits of Sustainability in Project Management

- Reduced Project Costs
- Access to International Markets
- Better Project Approvals
- Improved Corporate image
- Reduced Waste
- Increased Market Share
- Access to finance e.g Green Finance Sources, loans, grants, equity and guarantees
- Safe Work Practices

Costs of ignoring Sustainability in Project Management

- Budget Overruns
- Product and Service rejection to International Markets
- Project delays e.g due to delayed environmental impact assessment
- Poor Corporate image
- High Waste Generation
- Low Market Share
- Percieved Risk by financiers e.g Green Finance Sources, loans, grants, equity and guarantees
- High rate of injuries and fatalities
- Litigation and lawsuits
- High Material Usage



What can we do to ensure that projects are more sustainable and responsive to the needs of stakeholders?

Consulting and with the stakeholders and collect their needs

The community would need to be made aware of the sustainability impact of the project.

By involve them in all stages of project cycle

Engage all stakeholders

A detailed understanding of the culture, legislation & stakeholders is key

Research and gather more empirical data

thorough stakeholder analysis

Understanding their requirements and addressing them as you plan and execute the projects

Provide information



What can we do to ensure that projects are more sustainable and responsive to the needs of stakeholders?

Learn from experience and engage more with the stakeholders

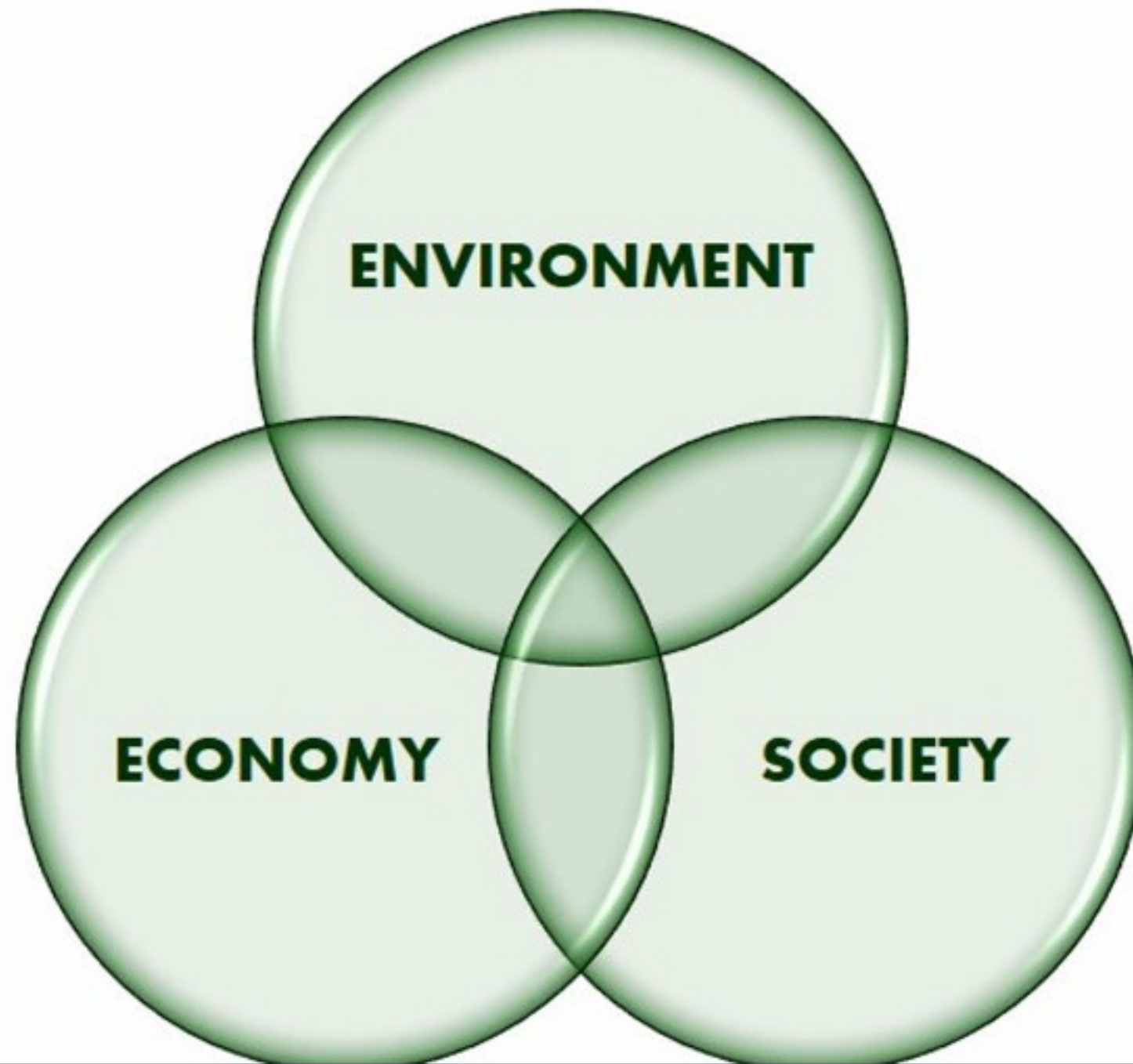
to manage a tradeoff among the stakeholders, environmental interests and the projects

Understand their needs Engage and Educate the stakeholders on the need and benefits of sustainable project

Begin with the end in mind

Stakeholder analysis, determine stakeholder needs, the direct and indirect stakeholders. Following which you ascertain who are directly impacted and those with peripheral interest. Develop mitigation measures of all activities that affect the Stakeh

Sustainable Development Model



Project Management and Sustainability

- The Growth of economies is increasingly based on project development
- Project Managers therefore find themselves at the centre and core of building a green economy
- There is urgent need for practitioners to understand project management tools that will work well to address the burgeoning sustainability challenges

What really are the issues of sustainability that Project Managers must be aware of?



Typical Sustainability Issues relevant to projects

- Environment
- Materials (Water, Energy, Chemicals)
- Human Rights
- Labour
- Occupational Health and Safety
- Community Relations
- Corporate Social Responsibility
- Child Labour
- Gender
- Indigenous people's Rights

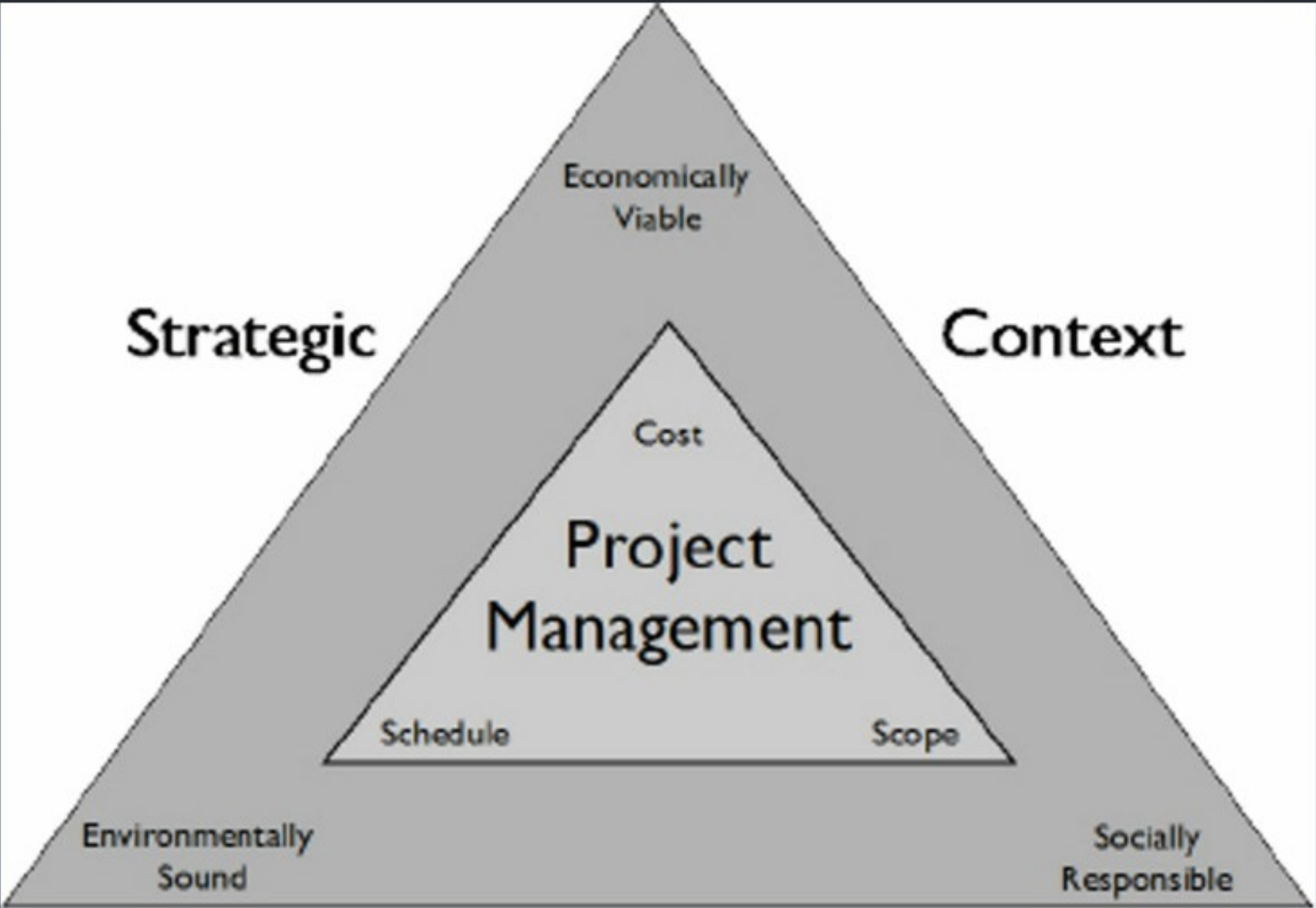


Former PMI President Gregory Balestrero Comments on Socially Responsible Projects

Former PMI President Gregory Balestrero noted, "Social responsibility is no longer the whim of an environmentally sensitive CEO. It has become a mandate for all organizations in every operation. Project managers must recognize and address this mandate now and into the future."

(Hunsberger, 2008)

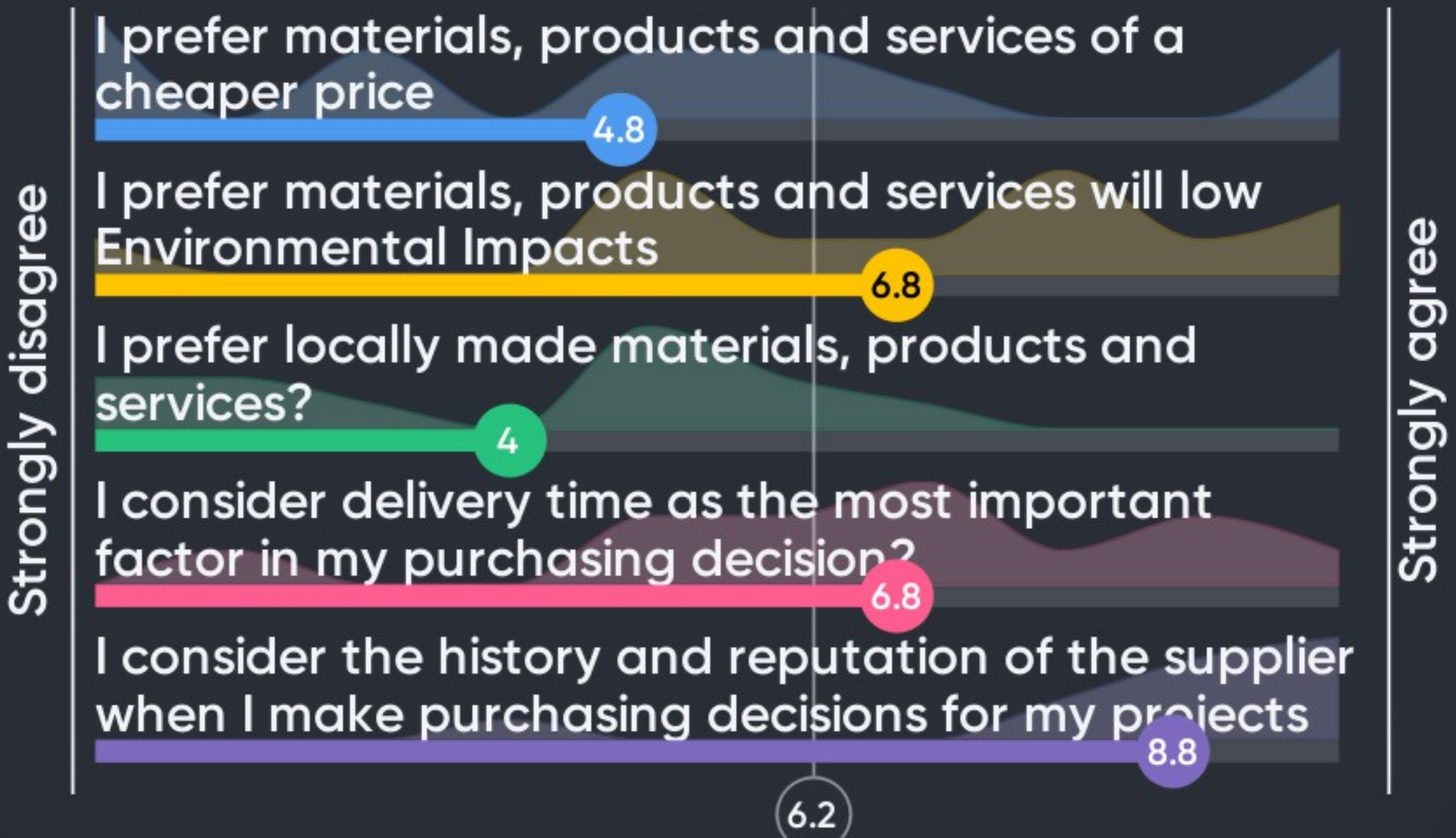




Project Management and Sustainability are inseparable and interact significantly



HOW WOULD YOU RATE YOUR PREFERENCES WHEN MAKING PROCUREMENT/PURCHASING DECISIONS FOR PROJECTS



SUSTAINABLE PROCUREMENT

- Traditionally purchasing considered the cheapest product, formalisation among a few selected sectors
- Organisations are increasingly considering sustainability as a factor in making purchasing decisions
- Zimbabwe can adopt sustainable procurement including Sustainable Public Procurement and also Procurement in the private sector
- Projects that ignore sustainable procurement end up purchasing sub-standard material and also experience waste products and resistance

Do you consider environmental factors when making purchasing/procurement decisions?

Environmental impact Assessment (EIA)



- In order to mitigate the potential negative impacts of projects
- In order to prevent development in ecologically sensitive areas
- EIA can drive Green Growth in construction, mining and manufacturing sector when carried out early in the project cycle





Eastgate Zimbabwe is ranked amongst the most energy efficient buildings in the world

Which Building is the most Energy Efficient in Zimbabwe



No results yet

Top Quiz participants will be displayed here once there are results!

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Renewable Energy Technologies

- Both households and corporates can adopt renewable energy
- This can reduce emissions whilst at the same time saving energy costs
- An increased level of renewable energy can help to reduce demand for energy on the grid

Questions



6
questions
0
upvotes