# Strategic Planning for Sustainability

## "Renewable Energy"

# ONE BELT ONE ROAD INITIATIVE

**Bahrain-Shanghai Intercultural Communication Conference**


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**13 May 2017**

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# OUTLINE

- The Strategic Model
- Present Situation
- Initiatives
- Strategic Planning Model
- Future Prospect

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# Study Background

- All facts are purposefully searched from the available official websites like governmental, UN offices, Educational institutes, online resources.
- No personal contacts or telephone calls were done (why?)
- The aim was to evaluate the gaps towards sustainable renewable energy adaptation in formulating RE sustainable strategic planning .
- This is a qualitative study: why the Arab GCC countries and Bahrain specifically are not prominent by adapting renewable energy as a main or mix source of energy.
- As a strategy developer will discuss how to create a “Strategic Plan for Sustainability” taking the intercultural concept for achieving Sustainable Development.

**The objective of this strategic Plan Model is :**

To **Manage** Today's Concerns, **Build** Tomorrow's Opportunities, **Recognize** Internal Capabilities and **Integrate** External Engagement for achieving Sustainability.

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As a strategy developer SWOT analysis would be the first thing to be considered for understanding the problem and collecting the related data.

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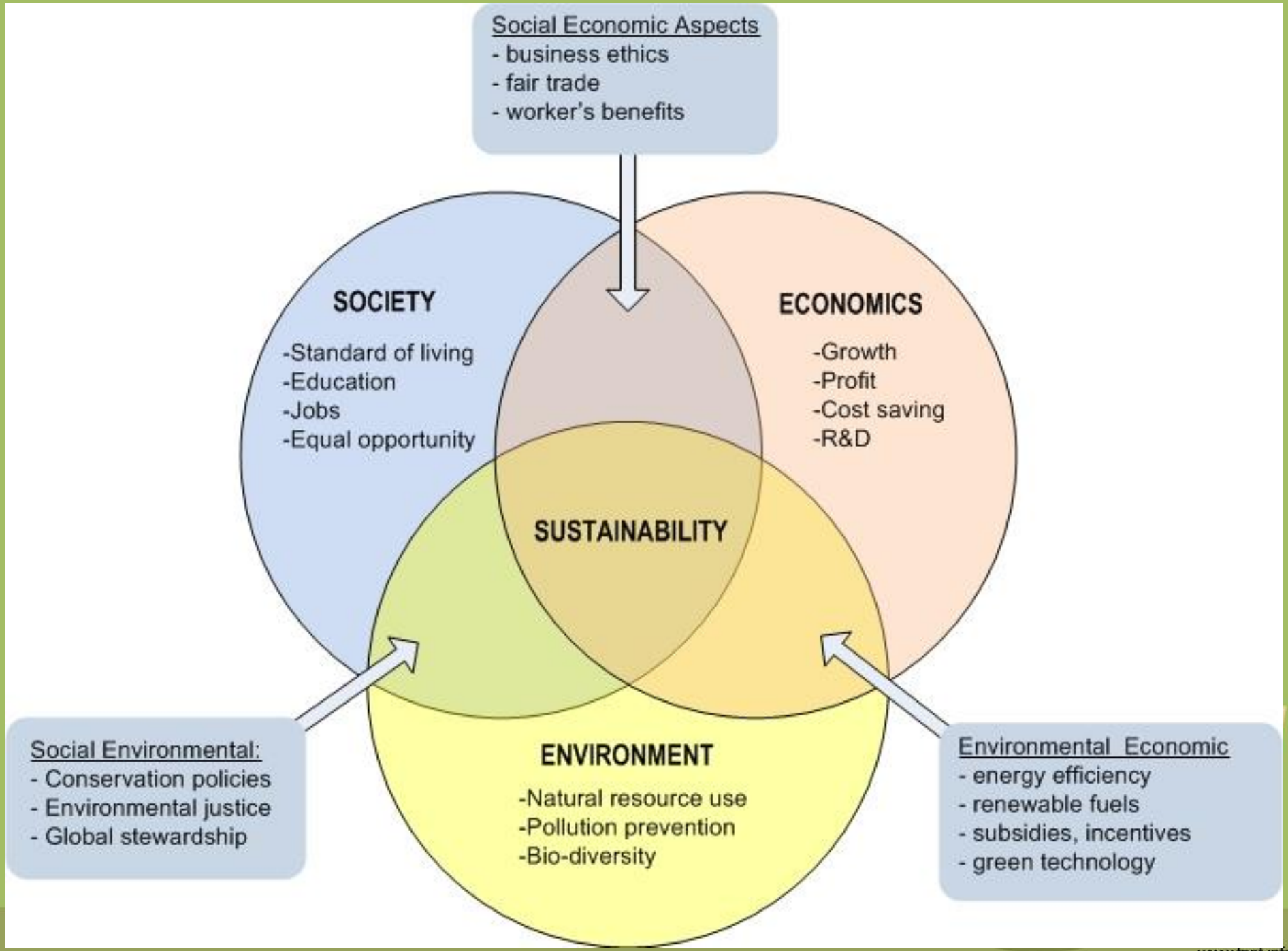


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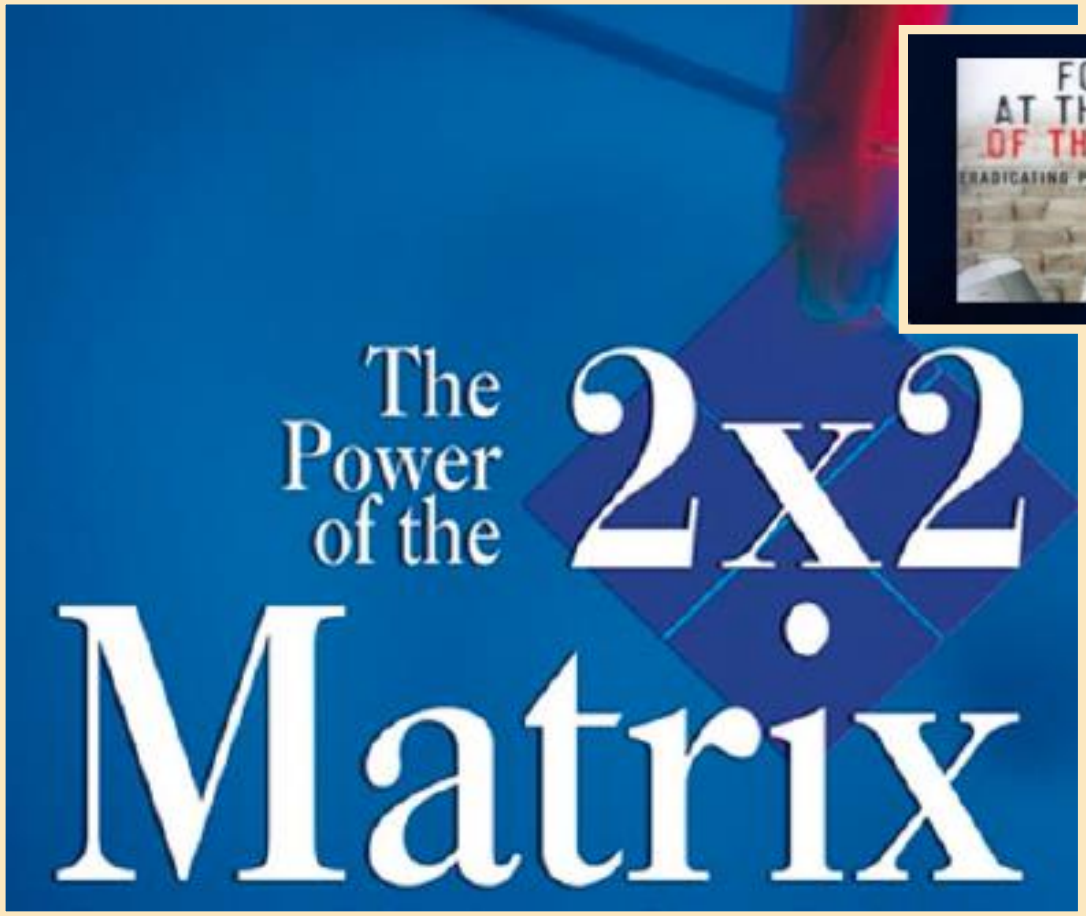
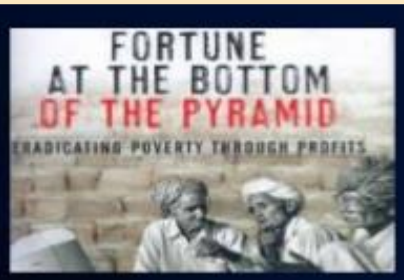
# 2 X 2 Matrix Technique for Building Strategic Plan




Penned By:
Prof. C. K. Prahalad
Prof. Stuart L. Hart

Dr.Najat Es'haqi - UOB- neshaqi@uob.edu.bh / Bahrain-Shanghai Intercultural Communication Conference/ 13 May 2017

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| | **Opportunties** (External, Positive) | **Threats** (External, Negative) |
|---|---|---|
| **Strengths** (Internal, Positive) | Strength-Opportunity Actions | Strenths-Threats Actions |
| **Weaknesses** (Internal, Negative) | Weaknesses-Opportunity Actions | Weaknesses-Threats Actions |

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## Building Tomorrow's Opportunity

- Adapt sustainable Technology
- Community Involvement
- Enhance Cradle to C concept rather to gr
- Innovative thinking
- Evolving rather than revolution
- Being more good ra than to be less bad

**In this quarter:**

**Future opportunity need to depend initially on the internal capabilities for recommending, adapting and reforming clean technology, i.e. Renewable energy**

**In this quarter:**

**Clear partnership and external engagement and governance support and all whom act the pillars for achieving "Sustainable Strategic Plan- Renewable Energy Adaptation" would act as a <u>base for a Pyramid</u> with SD head-top.**

- Sustainable Development
- Urban Planning
- Resilient Community

ainable Engineering
ation Reformation
n by practice
stive economy
eholder involvement
network
ernance support

## Recognize Internal Capabilities

## Integrate External Engagement

Might involve:

- Reduce Energy Consumption
- Reduce Consun
- Greening
- Eco-Efficiency
- Implementation 14001
- Resources Prod
- Envt. Mgt.
- Waste Mgt.
- Waste – To – Energy
- Zero Waste

**In this quarter:**

**If we look close look to our facilities and how we run them there are for sure opportunities to reduce energy usage and thus less burden on the available source of energy (fossil Fuel) and thus reduce $CO_2$ emission.**

**In this quarter:**

**It shows more concern with the outside and what our project or decided source of renewable energy impact on community and how we could reduce this effect so thus as a result build a trust by showing project stewardship**

Cooperate Social Responsibility
Transparency
Clear Governance
Green Design
Building Trust
Life Cycle Management
Available Resources
Wellbeing and stewardship
Cooperate Governance
- Incentives and Support

## Managing Today's Concerns

UNESCO Doha Office

United Nations
Educational, Scientific and
Cultural Organization

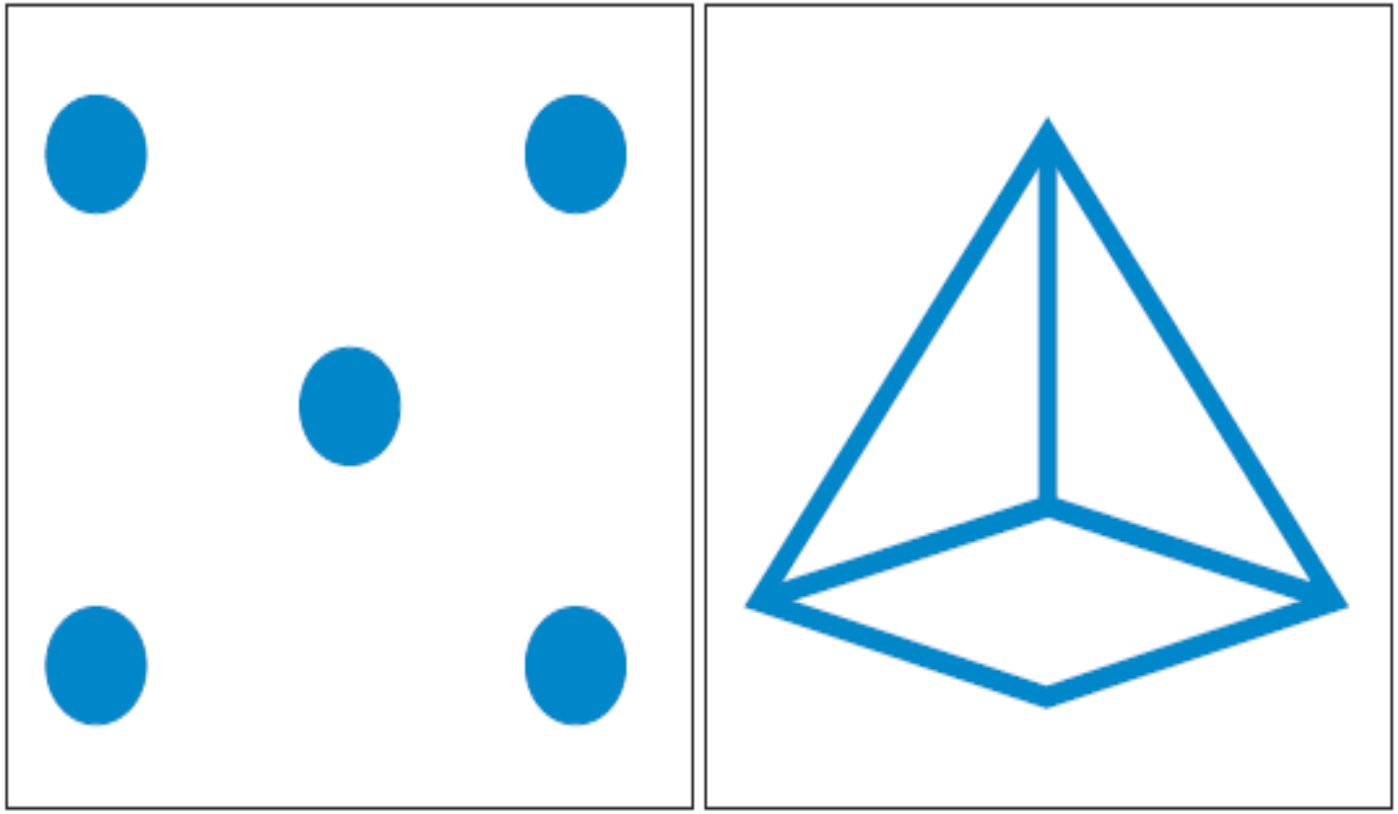

*Fig. 1: pyramid's base corners representing solidarity and integration*

supported by

UNEP

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must focus on developing students/youth to be a driving force and informed future decision makers. Only then can all the counter productive

*Fig. 1: pyramid's base corners representing solidarity and integration*

Referring to 2X2 Matrix Technique for placing the collected data in the four quarters of the grid to formulate an effective “Strategic Plan for Sustainability taking the “Renewable Energy Sustainability” as an objective.

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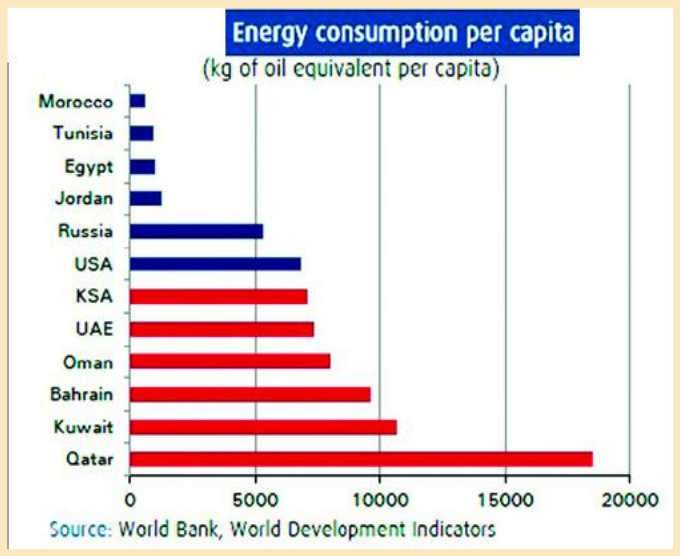
**Building Tomorrow's Opportunity**

**Recognize Internal Capabilities**

**Integrate External Engagement**

**Great similar**
**oil exploratio**
**- Rapid indu**
**- Rapid socio**
**- High depen**
**Electricity**
**- Limited wat**
**desalinatio**




**Managing Today's Concerns**

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Bahrain

Nov 26, 2014

# جامعة البحرين تفوز مع جامعة لافبرا بمنحة بريطانية للبحث العلمي في مجال الطاقة المتجددة

Under the Patronage of His Excellency Dr. Abdul Hussain Bin Ali Mirza

The Minister of Electricity and Water Affairs

Prof. Riyad Yousif Hamzah, the President of the University of Bahrain

in cooperation with Shanghai University

Cordially invites you to attend

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## RENEWABLE ENERGY CONFERENCE

2017 一带一路研讨会 新能源研究

ONE BELT ONE ROAD INITIATIVE RENEWABLE ENERGY CONFERENCE

巴林大学孔子学院

Confucius Institute at University of Bahrain

opening ceremony of Solar

Bahrain for investment in

E™s policy of encouraging

Follow

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بحثت جامع

والهيئات ال

مملكة البحرين

ناقش أكثر

مختلفة سُبُل

وقال عميد

محمد العمال

أهم التح

في جامعة البحر

لتعاون مشترك ب

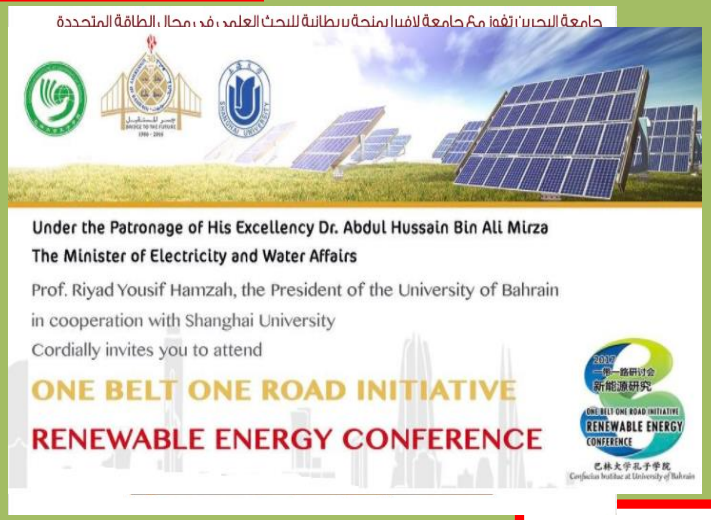
بالاضافة الى

Industries Company (GPIC). The event held from Sunday to Wednesday, February 15 | | simultaneously providing an infrastructure for international

## Building Tomorrow's Opportunity

UNDP around the world ▾ Operations Research & Publications News Centre

| Countries/ Capacity (MW) | 2011 Total RE* | 2012 Total RE* | 2013 Total RE* | 2014 Total RE* |
|---|---|---|---|---|
| Bahrain | 0.6 | 0.6 | 0.6 | 0.6 |
| Kuwait | 0.1 | 0.1 | 0.2 | 0.2 |
| Oman** | 0 | 0 | 0 | 0.7 |
| Qatar | 25 | 28.2 | 28.2 | 28.2 |
| Saudi Arabia | 0 | 19 | 25 | 25 |
| UAE, Abu Dhabi | 19.5 | 20 | 134.9 | 134.9 |
| Total | 45.2 | 67.9 | 188.9 | 190.4 |

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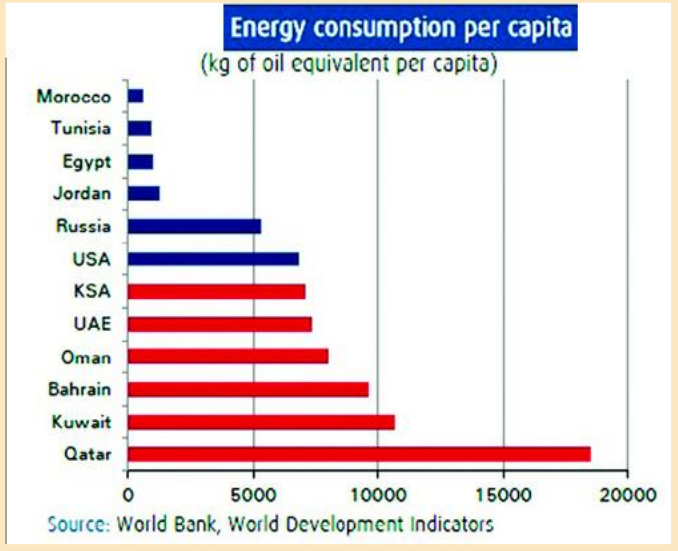

## Managing Today's Concerns

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Culture Model

Economic Model

Environment Model

**Building Tomorrow's Opportunity**

**Recognize Internal Capabilities**

**Integrate External Engagement**

**Managing Today's Concerns**

# Strategic Plan for Sustainability Framework

Building Tomorrow's Opportunity

Clean Technology

Base of the Pyramid

Recognize Internal Capabilities

Integrate External Engagement

Pollution Prevention

Project Stewardship

Managing Today's Concerns

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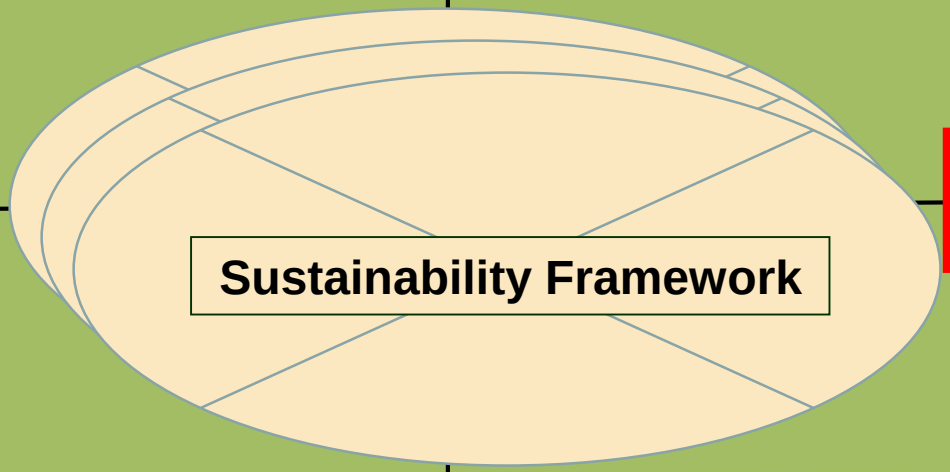
# Strategic Plan for Sustainability Framework

Building Tomorrow's Opportunity

Recognize

Internal Capabilities




Integrate External Engagement

Managing Today's Concerns

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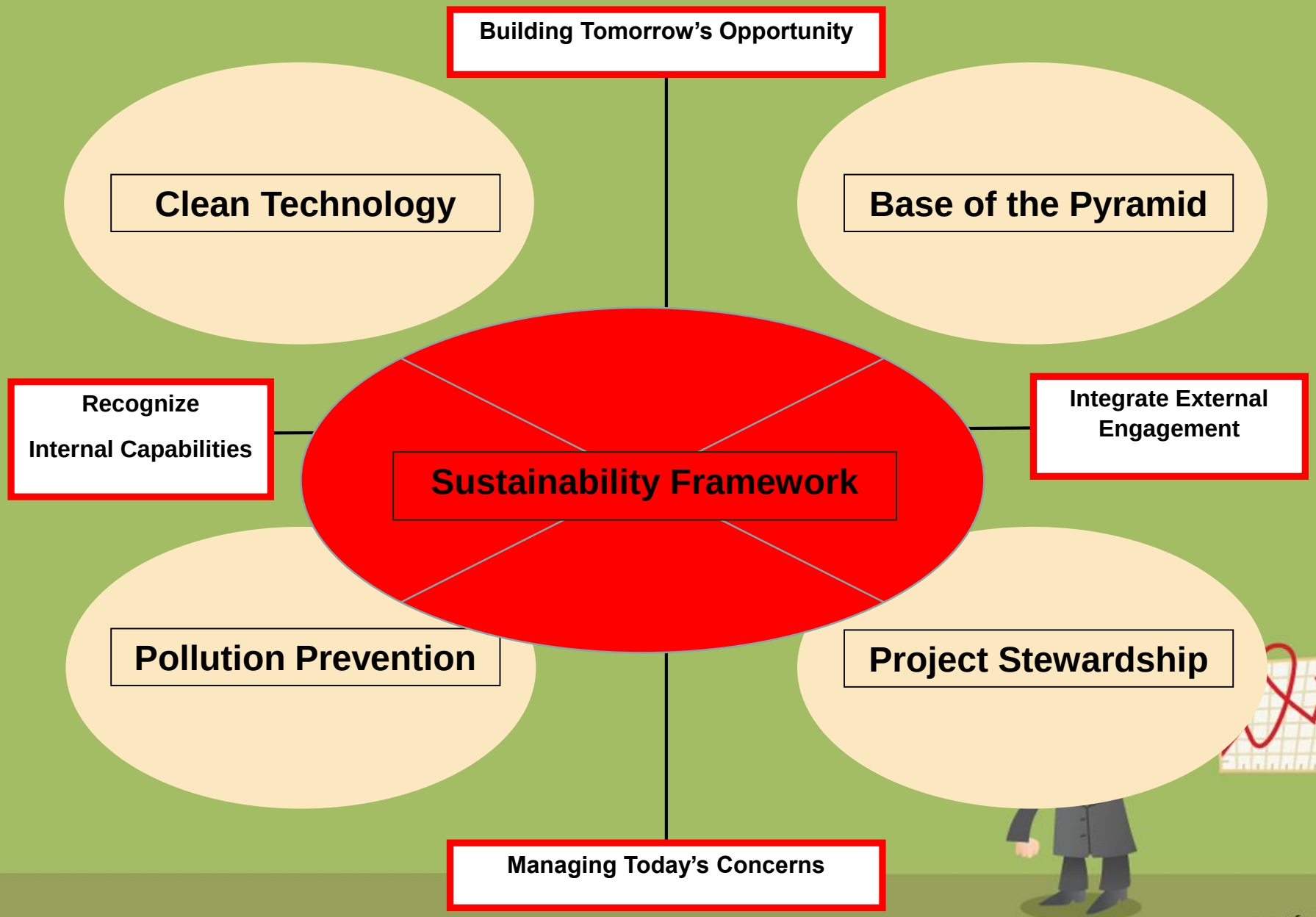
# Strategic Plan for Sustainability Framework

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# Future Prospect …..

- If change in adapting RE as a energy source then proper economic & Institutional structure needed.
- Supporting Policies and financial incentives and regulatory framework to encourage RE placement.
- Essential to map the internal capabilities and the possible external engagement.
- Bahrain is considered small producer of oil and the production is continuously decreasing as officially registered, thus it is highly recommended to promote alternative sources of energy and desalination sectors.



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## Future Prospect …..

- A need for a focal reference body to prioritize SD action plan in relation to the SDGs.
- The need of Educational practices for enhancing the knowledge of Sustainable design.
- Promotion of investment in RE required.
- Public Awareness about energy conservation required.
- National Capacity Building
- Shortage of national skills could negatively affect the progress of RE adaptation.
- Definitely, exchange programs with Chinese universities in the field of RE could great investment for both countries.

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# Sustainability is:

# “Evolution” ***<u>NOT</u>*** “Revolution”

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**Good Luck ….**

**Thanks ……**