

# THE CERTIFICATION TO SUPPORT THE ACCELERATION OF GREEN

*“Accelerating 0-emission building sector ambitions in the MENA region” on **Thursday 11th of March 2021 at 11:00 AM (EET)**.*

*Presented by*

*Faisal ALFADL, Chief Representative to United Nations  
Secretary-General of Saudi Green Building Forum*

المنتدى السعودي للأبنية الخضراء  
SaudiGreenBuildingForum

In Consultative Status with United Nations



فيصل الفضل، الأمين العام الممثل الرئيس لدى الأمم المتحدة

العمل بروح الشراكة وبشكل عملي حتى  
يمكننا اليوم اتخاذ الخيارات الصحيحة  
لتحسين الحياة، بطريقة مستدامة، للأجيال  
القادمة

فيصل الفضل ، استشاري مهندس ممثل رئيس لدي  
الامم المتحدة الامين العام المنتدى السعودية للابنية  
الخضراء منظمة غير حكومية وغير ربحية  
بالوضع الاستشاري الدائم في الأمم المتحدة من  
المملكة العربية السعودية.

*Faisal AlFadl, MArch, Consultant  
Engineer, Chief Representative to  
United Nations Secretary-General of  
Saudi Green Building Forum in  
Consultative Status from Kingdom of  
Saudi Arabia*

"عدم ترك أي أحد خلف الركب"



*SAUDI GREEN BUILDING FORUM ("SGBF") A professional member-based association for Patriotic Purpose; a Non-Profit/ Non-Governmental Organization in Consultative Special Status with Economic and Social Council of the United Nations.*

*Saudi Green Building Forum, "The ideal reference to the practices of Green Building and Sustainable Development in the Arab world; The most prominent Civil Society Representative to the United Nations for Health, Safety and the Environment."*

*The Saudi Green Building Forum developed online Sustainability Assessment Accredited Fronds (®سعف) namely saaf® certification a platform for Clean Energy, Water Harvesting, Material Resources, Basic Infrastructure and Human Experience as a catalyst for change towards Sustainable Developments Goals; Transformational tools that is enabling economical, social and environmental policies, promoting employment, volunteering and business investment by establishing green culture, systems practices and applications..*

# Content

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- **Today's Green; For**
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The Arab region of West Asia shares a common language, culture and religion, is divided into three contiguous clusters falling in two continents, two hemispheres, and borders on five oceans and seas. Covering around 14 million square kilometres, the region covers 9 percent of the Earth's total land area, with a population of over 350 million, of which 56% is urbanised.

Considering a region with significance “Stark evidence of the impact human activities are having on the planet... to better comprehend the environmental changes taking place on land, in the water, and in the air.”

Confronted by extreme climate, limited natural resources, economic conditions and conflict, the environmental challenges depicted are striking. The progress that each country is making towards achieving environmental sustainability as part of the Sustainable Development Goals, is also described and visually portrayed.

# History of Green Building in Saudi Arabia

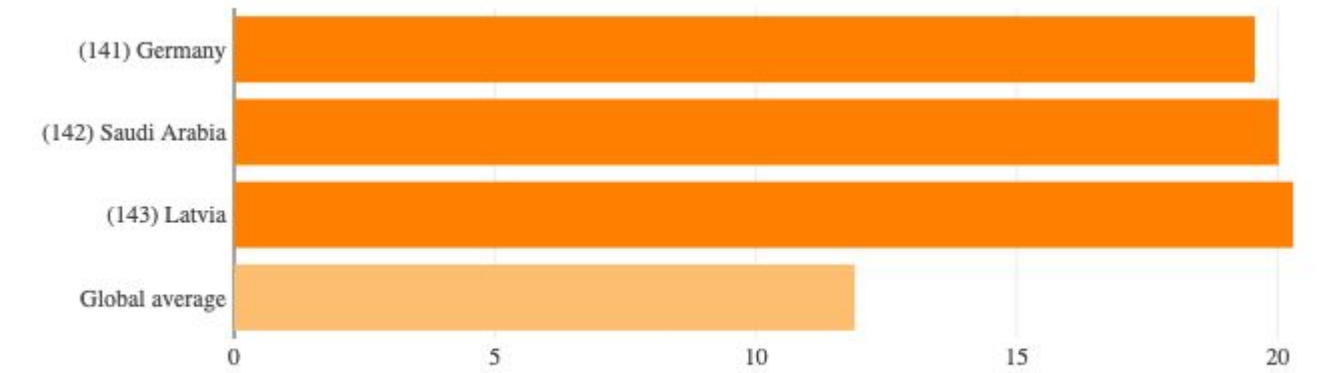
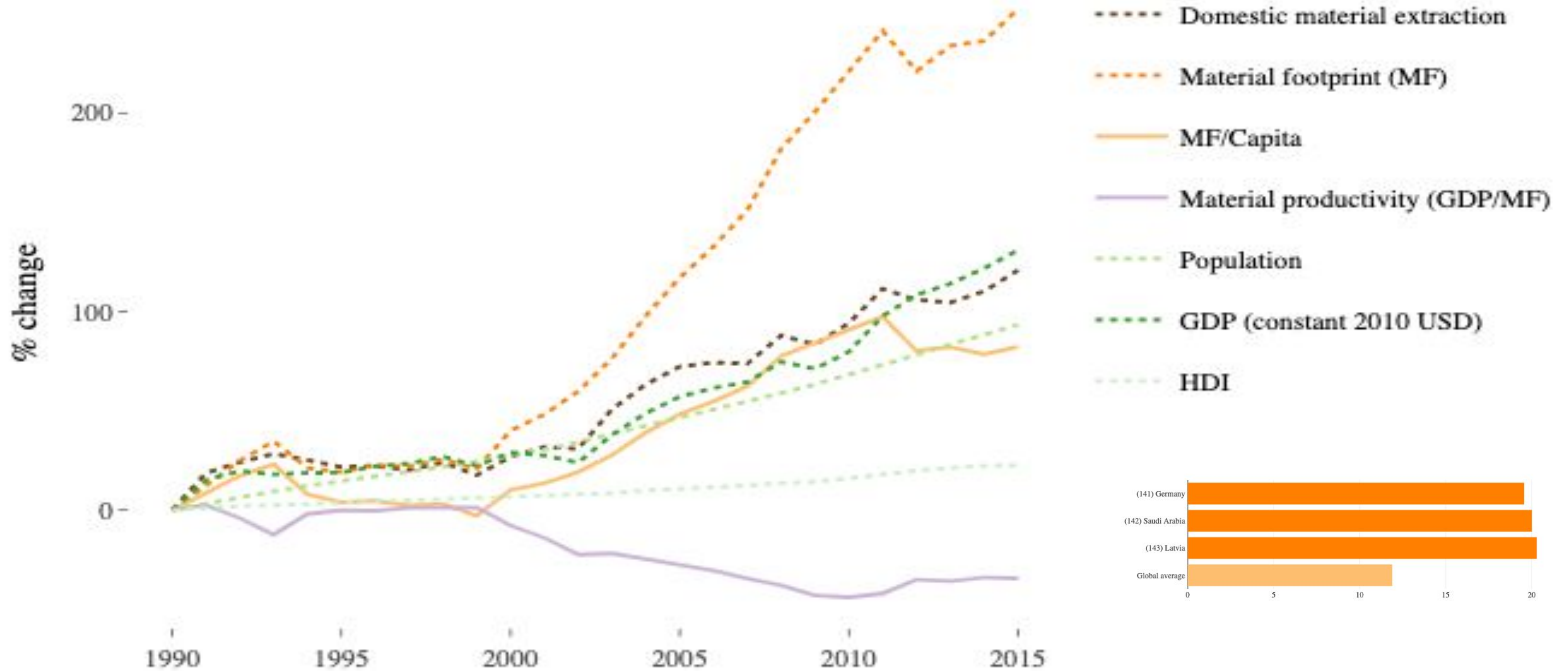
**THE FACTS** Saudi Arabia transforming the green movement towards Sustainable Development Goals. The saaf® program recorded a total gross square meters: 22,265,119 for 1218 Green Projects in Saudi Arabia: 240 certified and 978 registered with 36 saaf® certification. **2020** Written statement received by SG of UN for the HLS 14 to 17 July 2020 at the United Nations Headquarters in New York, USA. Titled “Our role is being the honest voice of bridging the gap... “SGBF Taskforce with UNEP (IRP/SCP), Taskforce Member of C20, B20 and W20 for the G20 Saudi Arabia. **2019** SGBF Oral Statement at HLS; SGBF join One Plant Network; SGBF join UN Volunteer members to contribute time and skills as online volunteers; The saaf® program knowledge the 1st on-line task rewarding volunteers honoring SDG #17, offering certification by UNV platform. **2018** The saaf® Delegation chaired by HRH Prince Khaled Alwaleed to the United Nations’ High-Level Political Forum during 9-18 July 2018. Attending the first publication on the 18th of July, Voluntary National Review (VRN) for Sustainable Development Goals. by Kingdom of Saudi Arabia. **2017** The Saudi Green Building Forum [granted](#) Consultative Status as a Non-Governmental Organizations: *The basis for the consultative relationship between the United Nations and SGBF non-governmental organizations is set forth in ECOSOC Resolution 1996/31.* 12 regional cities has joined saaf® program continue to be recognized by Governors sponsored by Public and Private Sector. Student Green Building Council established and joined by the 1st Student Club of Effat University, Jeddah Saudi Arabia. Saudi Arabia becoming the world's 3rd most sought after Green Building country with 1167+ saaf®/LEED® registered projects, since 2010. **2016** Saudi Arabia Initiative continue by Saudi Green Building Forum hosted by the Ministry of Municipality and Rural Affairs sponsored by Public and Private Sector. The saaf® distinguished certification by SGBF, adopted 3P’s Professionals, Products and Projects, accredited by IAS International Accreditation Services and recognized by SASO Saudi Accreditation Standards Organization. **2015** The saaf® Green Building is a trademark owned by SGBF. The saaf® report announced the registration of 500 projects of more than 10 million square meter of built-up area, since 2010. **2015** Saudi Arabia Initiative continued by Saudi Green Building Forum hosted by the Ministry of Municipality and Rural Affairs sponsored by Public and Private Sector. The Saudi Green Building Forum announced the constitution and foundation and formed its trustee board chaired by HRH Prince Khalid bin Alwaleed AlSaud. SGBF Recommendations to establish Saudi Green Building Council, Students Green Building Council, Saudi International Code Council announced part of Arab International Code Council (network of 22 council opened). **2014** Saudi Arabia Initiative continued by Saudi Green Building Forum hosted by the Ministry of Municipality and Rural Affairs sponsored by Public and Private Sector. The Foundation of Saudi Green Building Forum established as the 1st Non-Government Organization chartered by *Shariha* deed registered by the Ministry of Commerce and Investments.



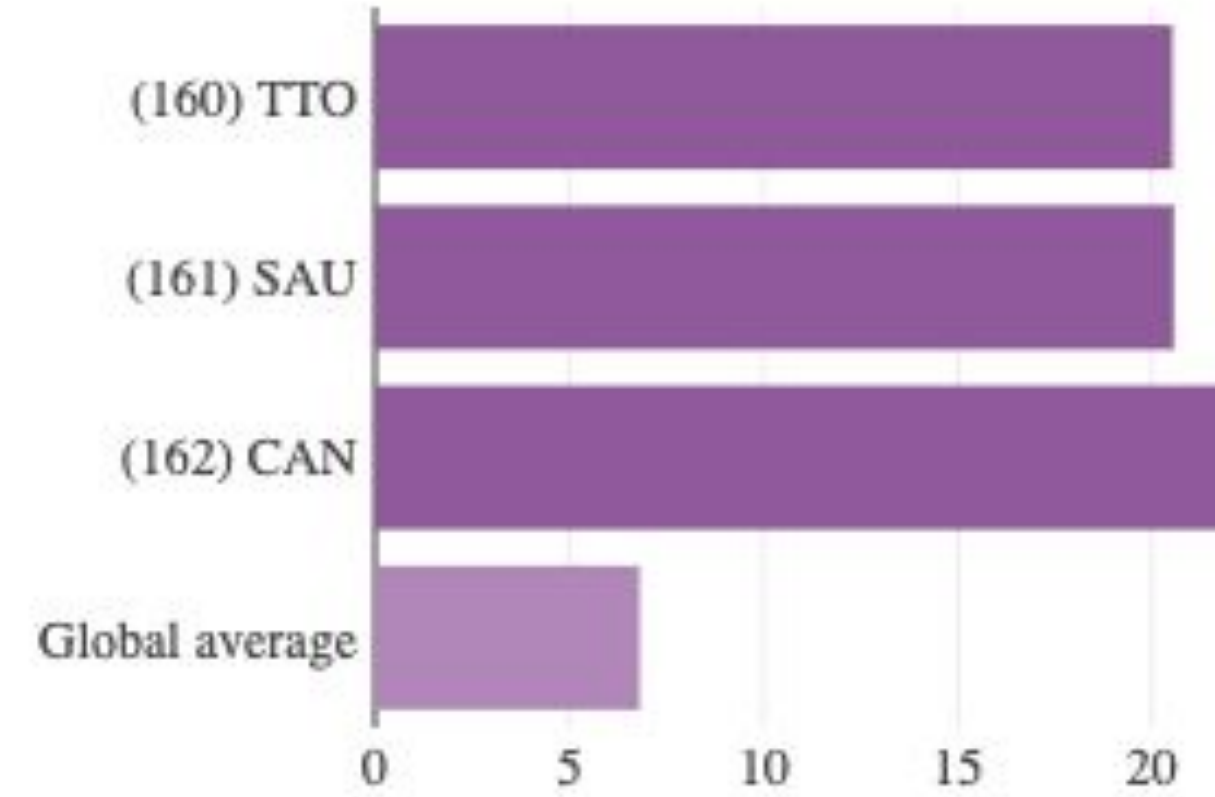
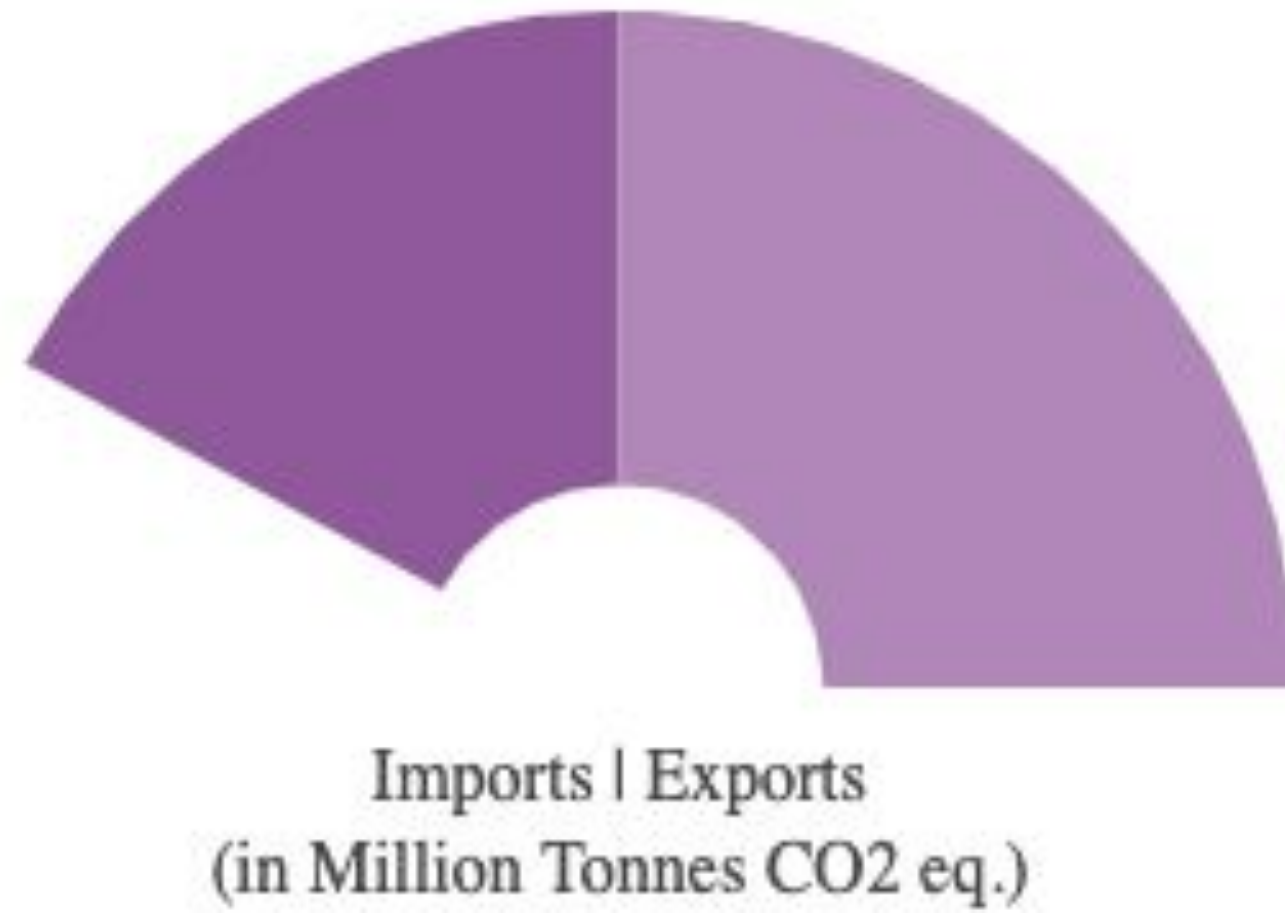
**2013** Saudi Arabia Initiative continued by Saudi Green Building Forum hosted by the Ministry of Municipality and Rural Affairs sponsored by Public and Private Sector. The saaf® reported a registered 300 projects of more than 15 million square meter of built-up area 12% from 4% of Gulf Council Countries' green buildings are saaf®/LEED® projects. **2012** Saudi Arabia Initiative continued by Saudi Green Building Forum hosted by the Ministry of Municipality and Rural Affairs sponsored by Public and Private Sector. US Green Building Council represented by USGBC Faculty workshop by saaf® USGBC Educational Delivery Partner group speaking and expedition at 3ed SGBF Conference, Riyadh Saudi Arabia. **2011** Saudi Arabia Initiative continued by Saudi Green Building Forum hosted by the Ministry of Municipality and Rural Affairs sponsored by Public and Private Sector. Saudi Green Building Council represented by Riyadh group speaking at 2nd SGBF Conference Riyadh Saudi Arabia. The SGBF Education becomes USGBC education partner. SGBF introduces saaf® award. **2010** Saudi Arabia Initiative launched by Saudi Green Building Forum hosted by the Ministry of Municipality and Rural Affairs sponsored by Public and Private Sector. 1st Green Building in Saudi Arabia by King Abdullah University for Science and Technology Saudi Green Building Council represented by Jeddah group speaking and expedition at first SGBF, Riyadh Saudi Arabia. **2009** 1st Green Building Consortium hosted by H.E. Mr. Faisal Alfadl organized by Turath a charity establishment sponsored by Saudi Council of Engineers. Saudi Green Building Council interest groups are forming in main cities Jeddah, Riyadh and Dammam. **2008** Introduction of Green Building in Saudi Arabia part of global activities joining Earth Day hosted by H.E. Mr. Faisal Alfadl sponsored by Culture Mission of US Embassy in Riyadh Saudi Arabia, March 15th 2008.

**Green Yesterday...**

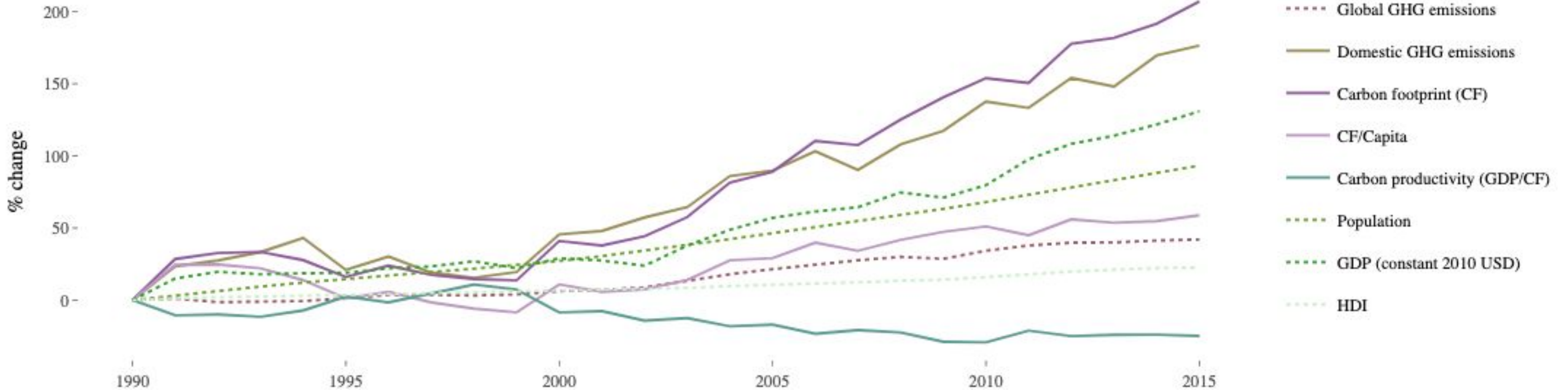
# Raw material use trends, Saudi Arabia, 1990-2015



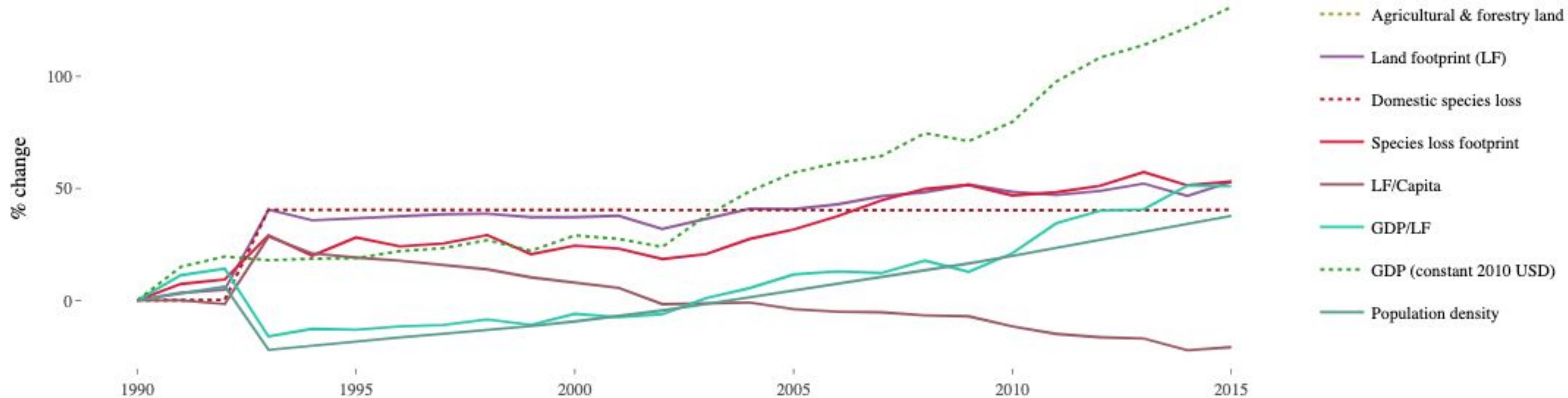
# Greenhouse gas emissions and climate change



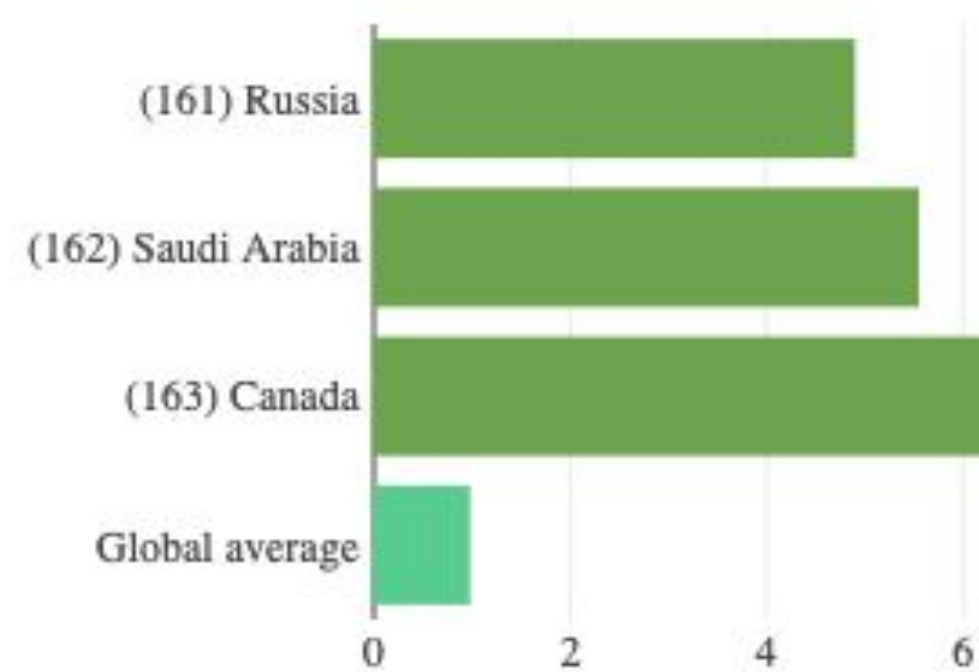
GHG emissions trends, Saudi Arabia, 1990-2015



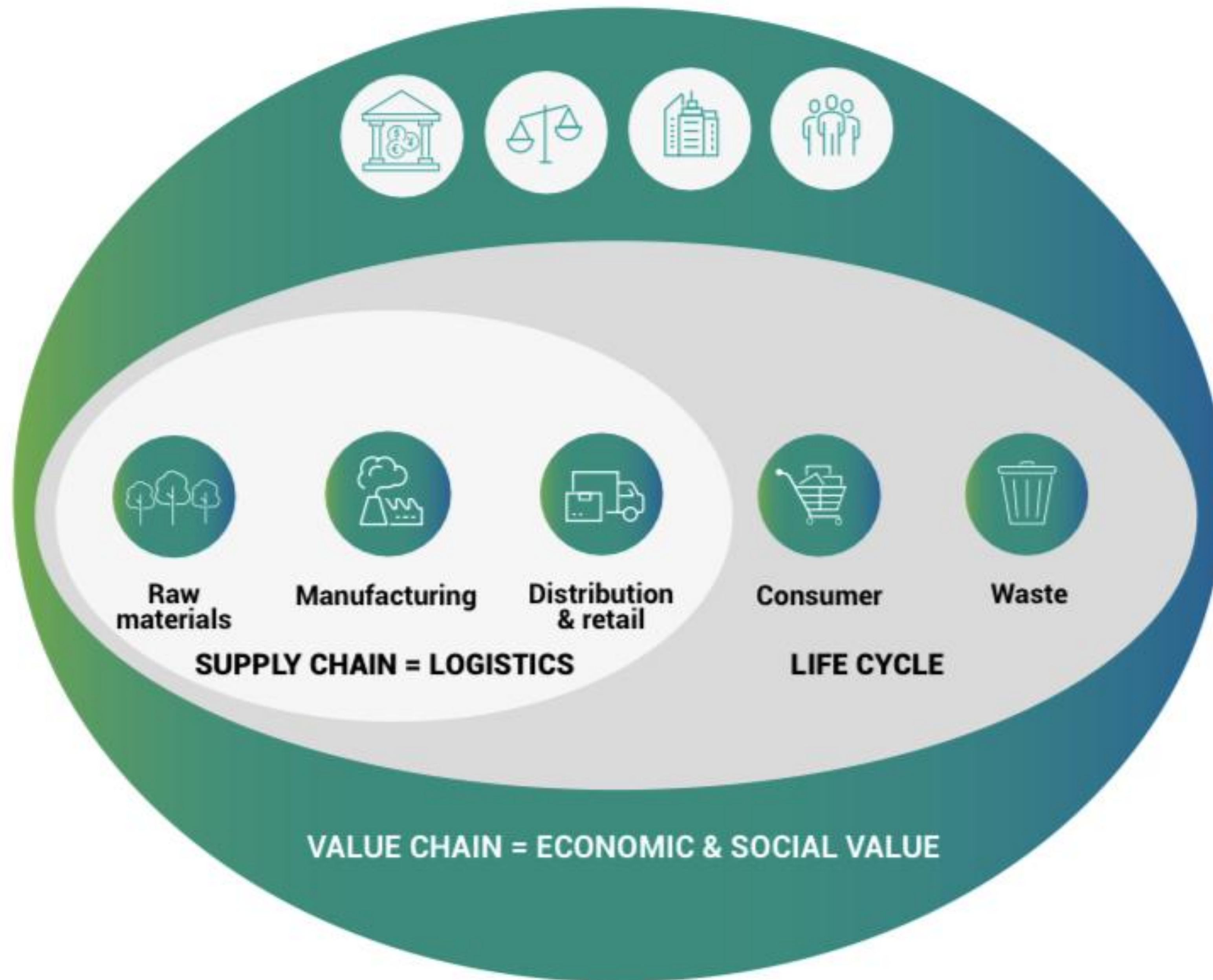
# Land use trends, Saudi Arabia, 1990-2015



Imports | Exports  
(in Million ha)



**Today's Green...**



**Figure 4:** The value chain, in relation to supply chains and lifecycle. (Adapted from UNEP 2017a p.16)

**Presenting a clear pathway of certification of actions will help designers, investors, manufacturers, government & NGOs instigating across the whole “value chain” to accelerate decarbonisation...  
Hot spots!**

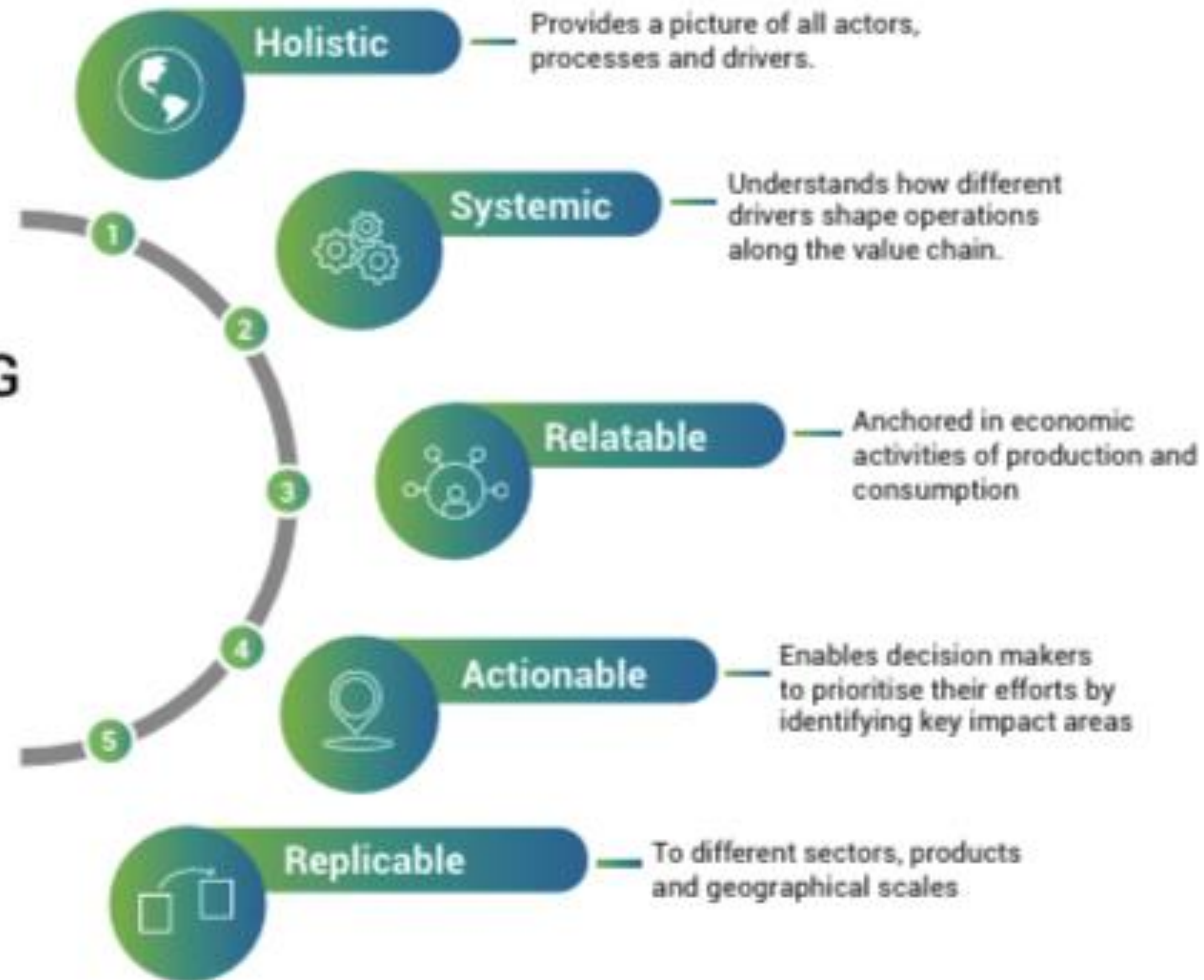


**The current  
market barriers in  
developing low  
carbon alternative  
solutions for the  
market...**

**The current  
eco-social barriers  
in adopting low  
carbon solutions...**

**... The Green Of  
Tomorrow!**

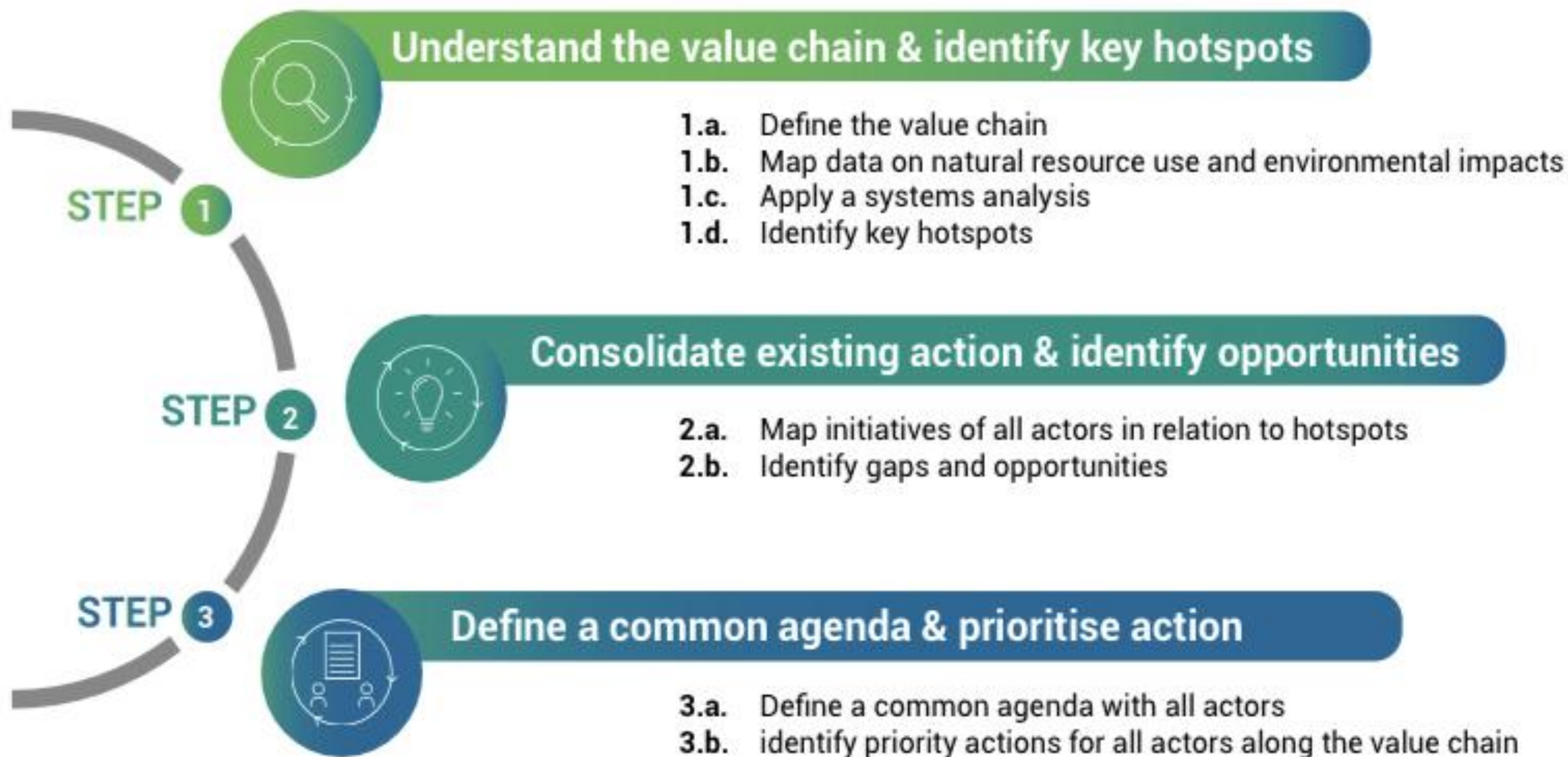
## FIVE VALUE-ADDING FEATURES OF THE VALUE-CHAIN APPROACH



**Build on, support  
and strengthen  
cross-sectoral  
collaborations...  
certifications**

**Cities will lead the  
shift to net zero  
carbon buildings  
(ZCBs)**

**Pathways to achieve ZCB  
basic energy efficiency,  
advanced energy  
efficiency, on-site  
carbon-free renewable  
energy, off-site  
carbon-free renewable  
energy, and carbon offsets.**



**Figure 5:** Overview of key steps of the value-chain approach



# Open Question & Answers

7.1 By 2030, ensure universal access to affordable, reliable and modern energy services

7.2 By 2030, increase substantially the share of renewable energy in the global energy mix

7.3 By 2030, double the global rate of improvement in energy efficiency

7.A By 2030, enhance international cooperation to facilitate access to clean energy research and technology, including renewable energy, energy efficiency and advanced and cleaner fossil-fuel technology, and promote investment in energy infrastructure and clean energy technology

7.B By 2030, expand infrastructure and upgrade technology for supplying modern and sustainable energy services for all in developing countries.

**7** AFFORDABLE AND  
CLEAN ENERGY



**11** SUSTAINABLE CITIES  
AND COMMUNITIES



**13** CLIMATE  
ACTION



**How non certified  
green building  
practices affected  
negatively the  
quality of  
economy in Saudi?**

**How is the lack of green building mass in Saudi contributed to the current situation pollution?**

**Why not enforced  
building codes has  
affected  
negatively the  
quality of  
eco-social in  
Saudi?**

**What are the  
rating systems,  
certification and/  
or tools for Green  
Building  
Assessments, in  
Saudi Arabia?**

The **majority of natural resource use and environmental impacts takes place at the material production stage, the construction stage and the operation stage** of the value chain. However, there is limited scope at these stages to make the needed changes for several reasons, including the informality, fragmentation, complexity and availability of options.

The most influential actors along the construction value chain are governments, international organisations, financial institutions and major market players, who are primarily acting at the **financing stage and the planning and design stage of the construction value chain. The key decisions made at these stages largely shape the activity along the rest of the value chain.**

**Construction is integral to achieving the SDGs, but direction is needed** to ensure actual balance between sustainable development and the transition of the sector to

resource efficiency, circularity and a smaller environmental footprint.

**Governments exert significant influence along construction value chain** as 1) regulators of financial markets, 2) investors in the construction sector, and 3) urban and territorial planners, and regulators of the construction sector. Governments have a strong opportunity to ensure sustainability of the construction sector through these three key levers.

**Key challenges to be addressed:**

1. **What types of construction is built and used, and where** – balancing their differing contribution to SDGs and their environmental footprint.
2. **how much is being built:** ensuring that the growth of construction market better follows demand.
3. **how they are built:** addressing resource use in materials, operation, construction and demolition.

**JOIN US!**

*Be a Green leader in  
The Kingdom of  
Saudi Arabia*



# Composition of the task group:

## Government representatives -4



(International Resource Panel and/or One Planet network)

## Business/private sector representatives -2



(One Planet network)

## Civil society representatives -2



(One Planet network)

## Experts -3



(International Resource Panel)

## International organisations -3



(One Planet network)

## Initiative Chairs



# SAUDI GREEN

Non Governmental Organization

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