

# Entrance Training of SUSTAINABILTY MANAGEMENT

# Aim and Content

Through this training presentation, it was aimed to promote sustainability and give information about our company's activities in the field of sustainability to our stakeholders

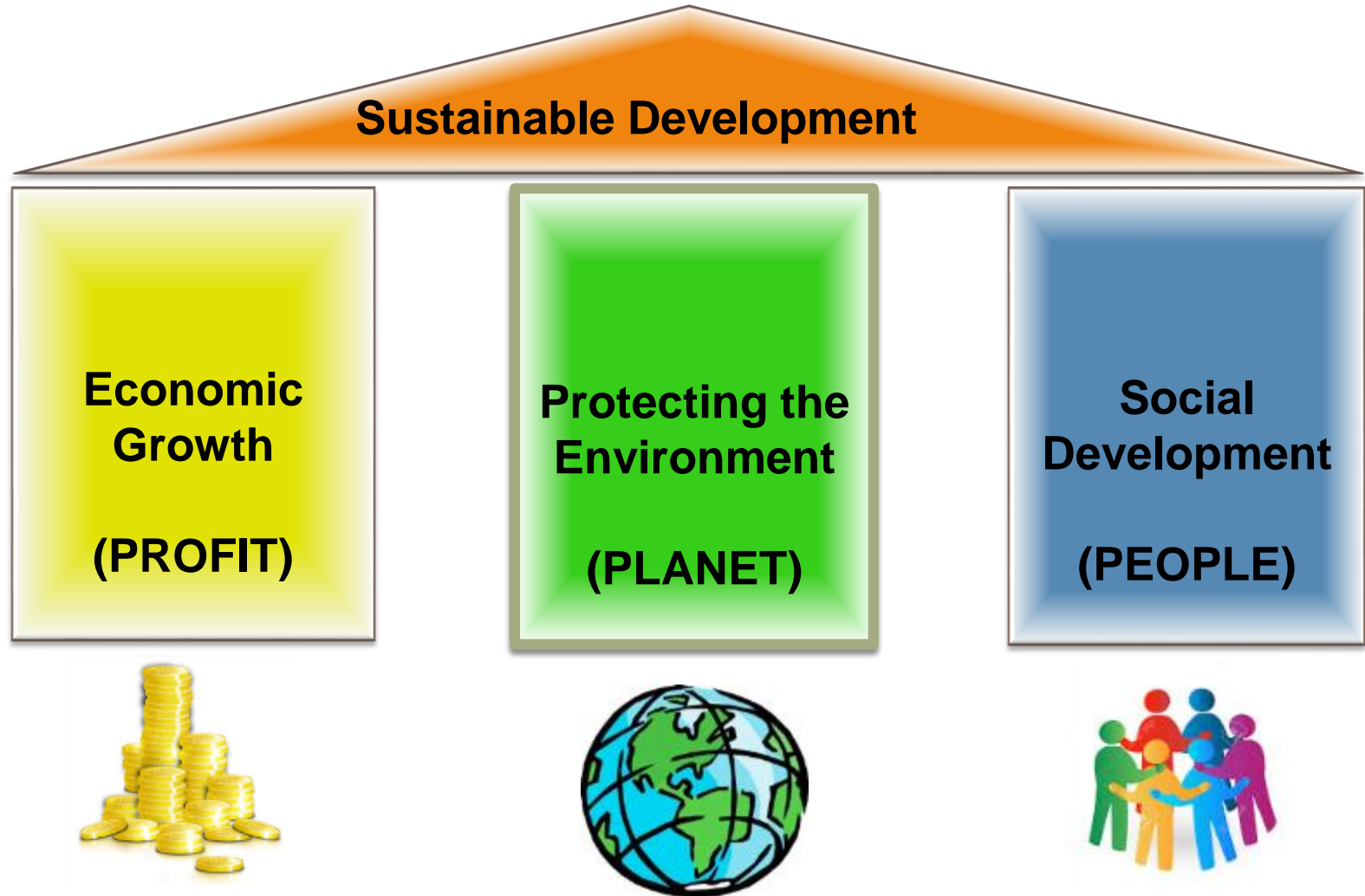


# What is Sustainable Development?

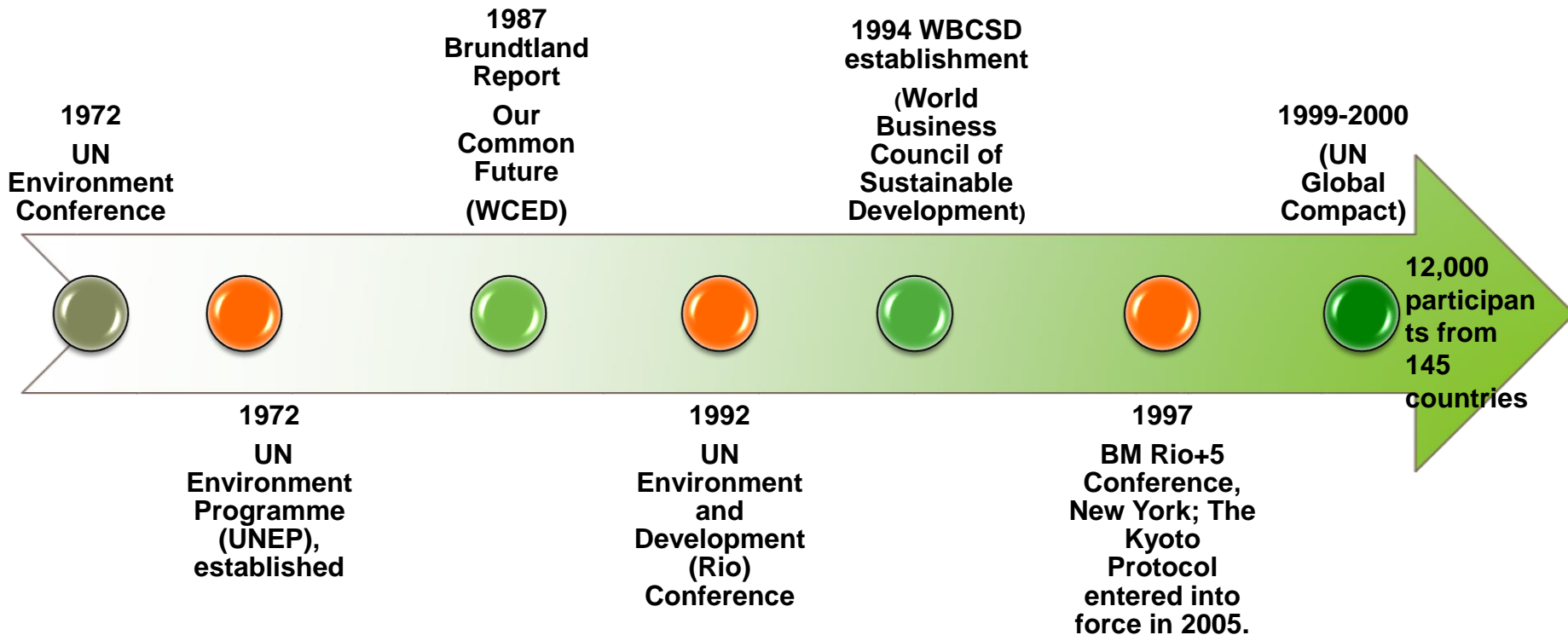
"Development that meets the needs of the present without compromising the ability of future generations to meet their own needs."



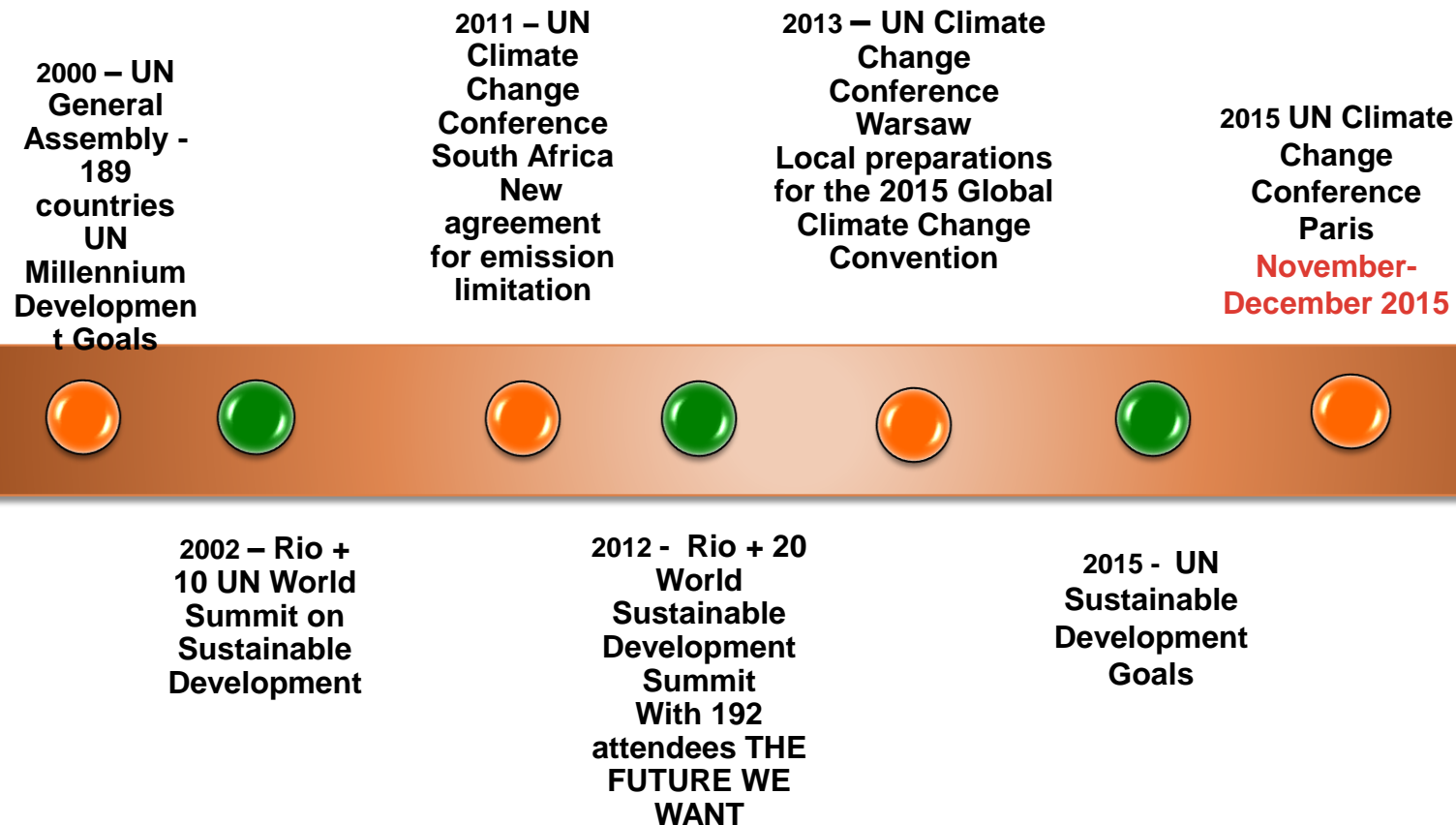
# Sustainable Development= 3P



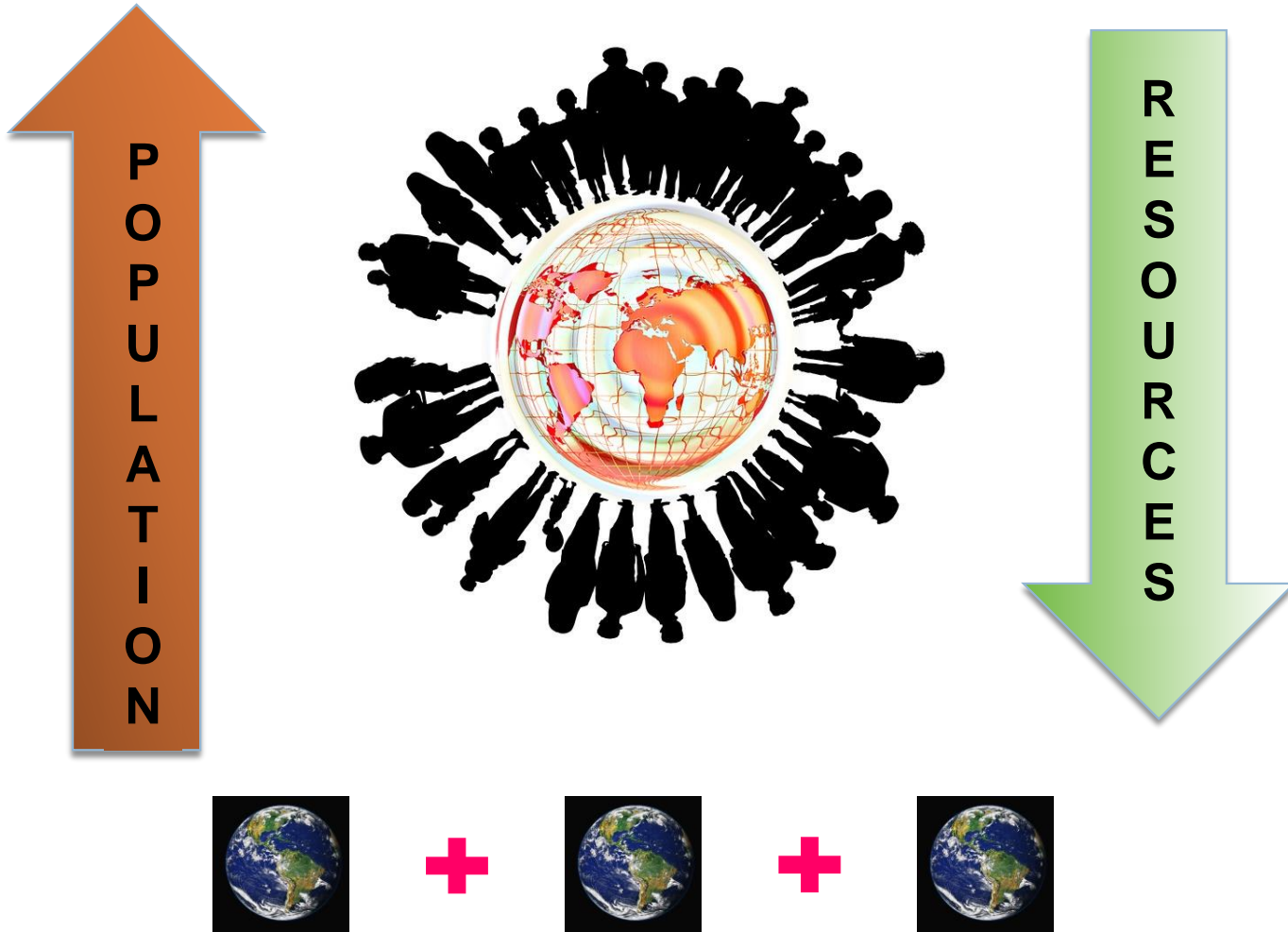
# Sustainable Development– Milestones



# Sustainable Development Milestones after 2000...



# Why?





# Global Issues: Climate Change

Greenhouse gases accumulate in the atmosphere as a result of burning fossil fuels used in heating, transportation and industrial processes is causing global climate change. Other human activities such as land use and deforestation accelerate climate change.



**Climate Change  
Scenario Result**



**Between 1990-2100  
years, is predicted  
to increase by 1,4 -  
5,8°C**





# Climate Change

Climate change may cause heavy rainfall.





# Climate Change

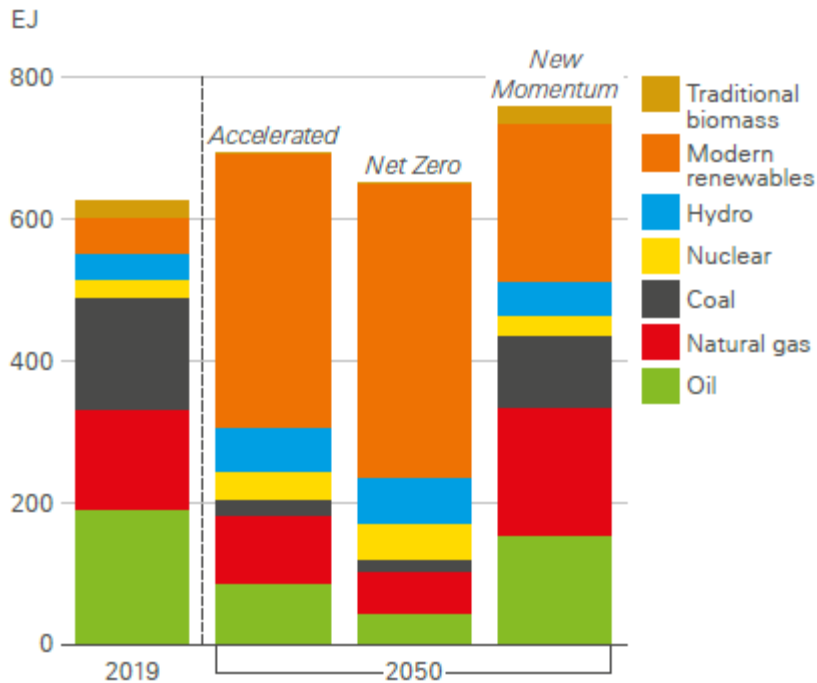
Climate changes cause droughts..



# World Energy Consumption

Very little of the world's energy consumption comes from renewable energy sources. Natural resources are rapidly consumed.

Primary energy by fuel



# World Energy Consumption

This photo taken from the satellite shows where the world's electricity energy is concentrated.





# Global Issues: Food Safety

One of the biggest problems in the world that its population has exceeded 8 billion is Food Safety.

- 870 million people a year are undernourished.
- According to the United Nations Food and Agriculture Organization (FOA), 1.3 billion tons of food is wasted.

**Projects should be developed and supported to reduce food waste and squander in worldwide.**





# Global Issues: Water Security

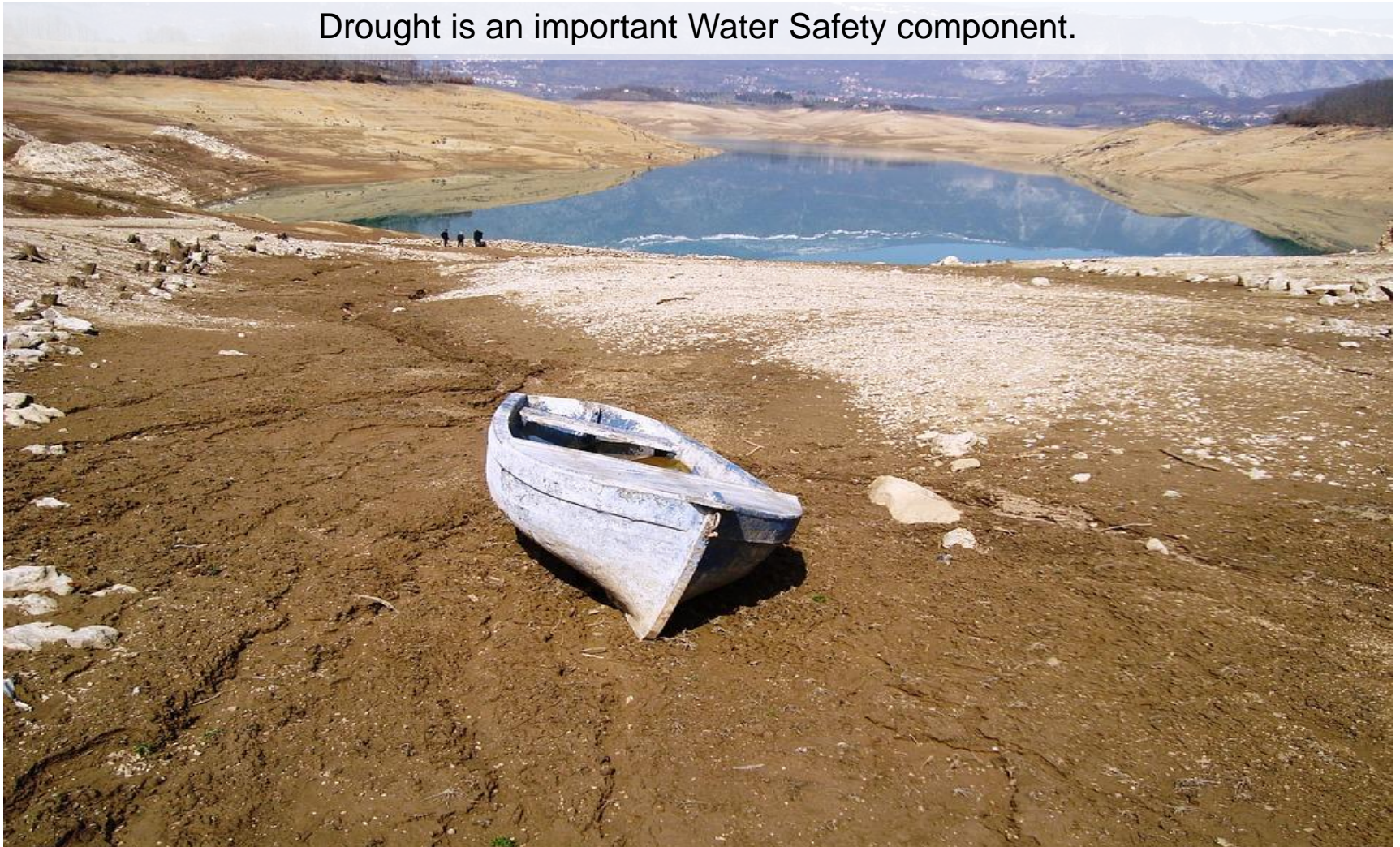
Water security has been defined as "the reliable availability of an acceptable quantity and quality of water for health, livelihoods and production, coupled with an acceptable level of water-related risks"





# Global Issues: Water Security

Drought is an important Water Safety component.





# Global Issues: Water Security

Apart from drought, the floods is also an important water safety factor that negatively affects people's lives.



# Global Water Consumption Rates



● ————— % 12 Domestic use

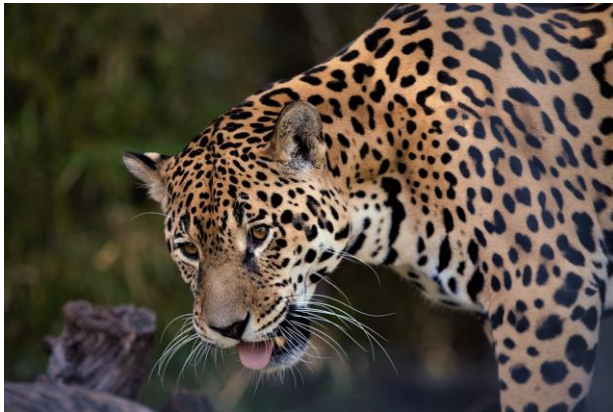
%19 Industry ● —————



● ————— %69 Agriculture



# BIODIVERSITY



# Global Issues: Decreasing of Biodiversity

All the creatures in the ecosystem are connected to one another. Many life species including humans are negatively affected by decrease in species.





# Mass Extinction.

- They are referred to as periods in world history when a large number of unusual species disappeared at the same time or in a limited period of time.
- There have been 5 mass extinctions in the world.
- According to the studies, the 6th mass extinction caused by human beings, the **Anthropogenic** period started.





# Biodiversity Reports



Since 2013, we have been monitoring the biodiversity around our facilities. Our biodiversity studies are published on our website.

[https://www.icdas.com.tr/pages/8925/2716/f/tr-TR/Biyocesitlilik\\_Calismalari.aspx](https://www.icdas.com.tr/pages/8925/2716/f/tr-TR/Biyocesitlilik_Calismalari.aspx)

# Global Issues: Wastes

Waste generates significant amounts of emissions as well as causing pollution both in the environment and in water resources.



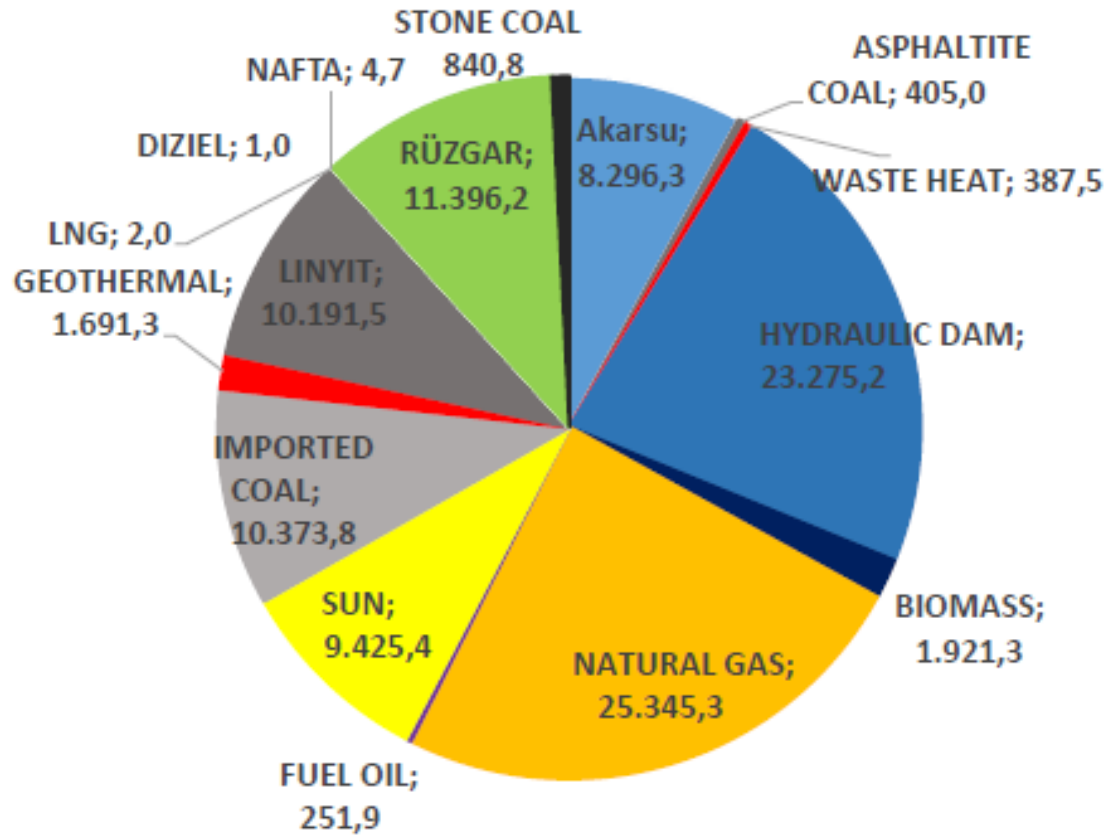


# Global Issues: Energy Security

Energy security; It is expressed as continuous consumption of energy in clean and in various appropriate quantities and with high efficiency. Turkey is dependent on external sources to meet its energy needs.



# Turkey's Electric Energy Resources



**Carbon-based and imported energy is a risk factor for energy security.**

**AVAILABLE POWER(December 2022): 103.809,3 MW**



# Global Issues: Women and Children's Rights

Women's and children's rights are protected by the law and international agreements.



# What should be the Business World Perspective?



## **Sustainable Development**

To balance the business world and the needs of human life with the **sustainability of natural resources.**

When doing this, to be behave **responsible to employee and society** and **invest in their development.**



# GRI Global Reporting Initiative



**NEW GRI STANDARDS**

Non-profit NGO / Amsterdam

Sustainability Reporting

95% of the reporting people prefer

**İÇDAŞ A.Ş. has been preparing the sustainability report in accordance with GRI standards since 2011.**

# UN Sustainable Development Goals



## SUSTAINABLE DEVELOPMENT GOALS

17 GOALS TO TRANSFORM OUR WORLD



**İÇDAŞ A.Ş. has been reporting on activities that supporting the UN Sustainable Development Goals since 2016.**



# Certification Authority for Reinforcing Steels (CARES)



**Sustainable Steel Production**

**Fully Traceable Production**

**Reducing Risk in the Supply Chain**

**Continuous Improvement**

**İÇDAŞ A.Ş. has been continuing to produce sustainable steel production in accordance to CARES Sustainability Standards since 2011.**

# Other Initiatives

## Calculation of Carbon Emissions

### CARBON DISCLOSURE PROJECT



International  
Organization for  
Standardization

### ISO 14064-1 Greenhouse Gas Emission Verification Standard

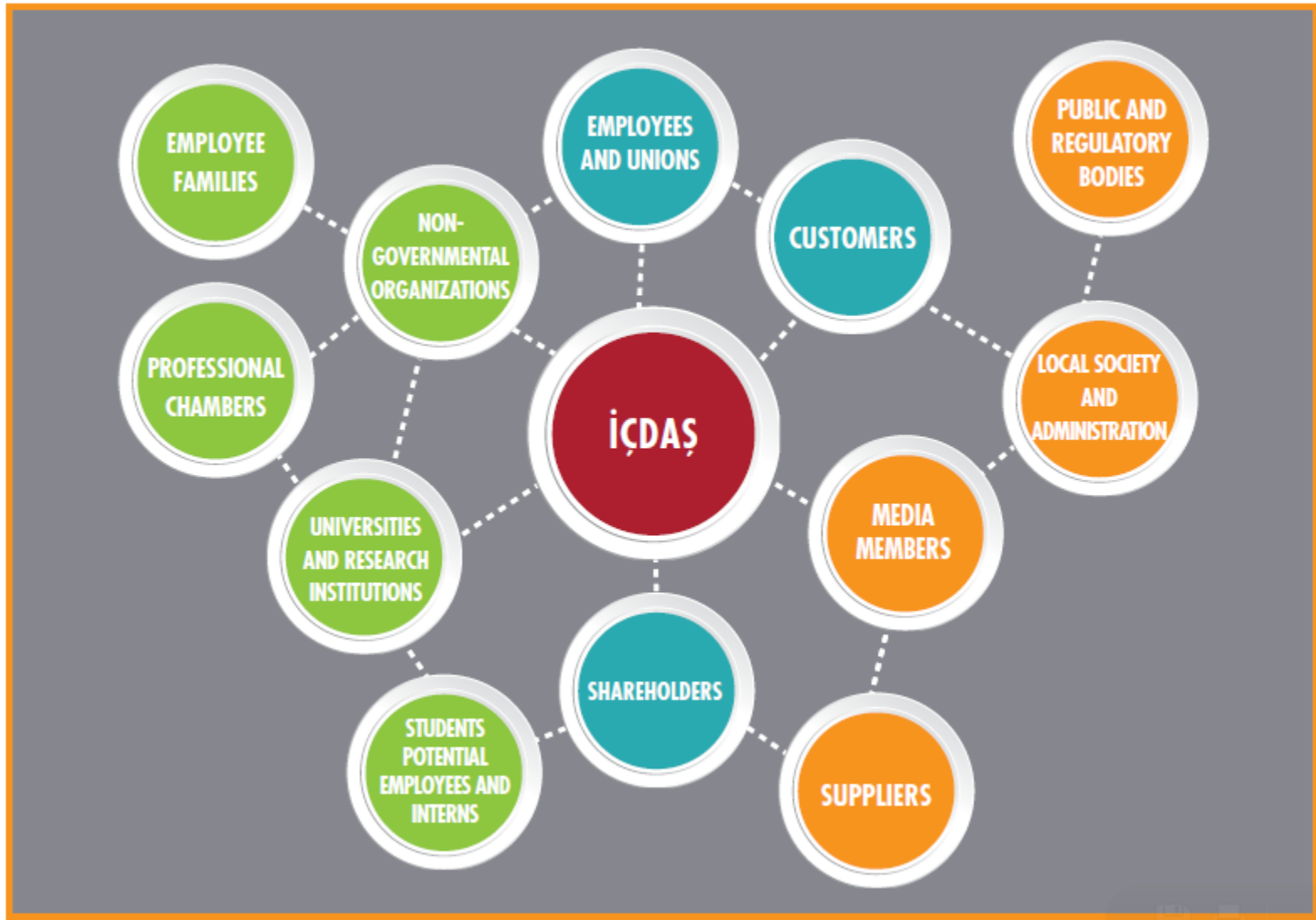


The Greenhouse Gas Protocol Initiative  
*The foundation for sound and sustainable climate strategies*

### GHG - Greenhouse Gas Emissions Protocol

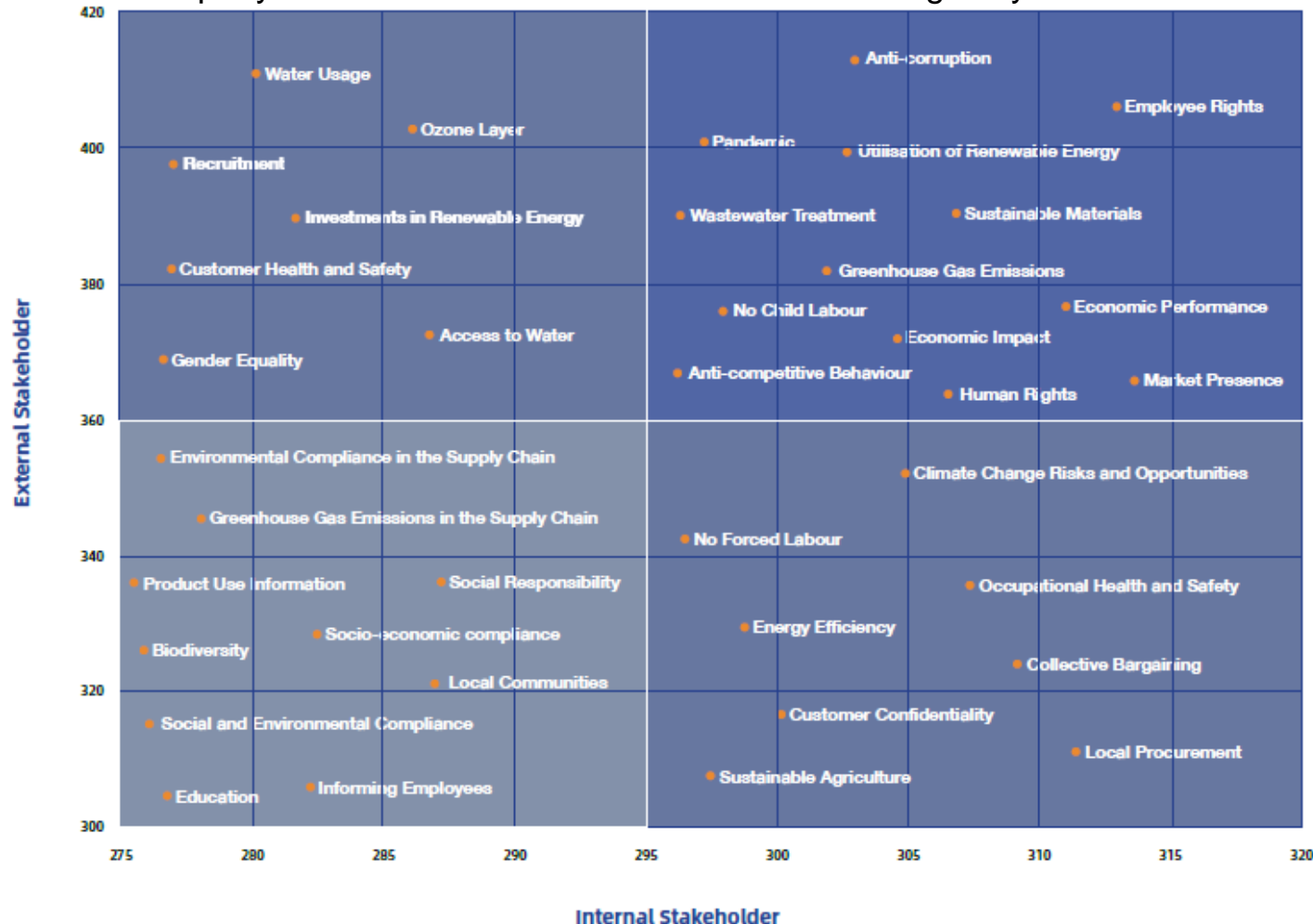
**İÇDAŞ A.Ş. has been watching greenhouse gases since 2003.**

# İÇDAŞ Stakeholder Map



# İÇDAŞ Strategic Sustainability Elements Matrix

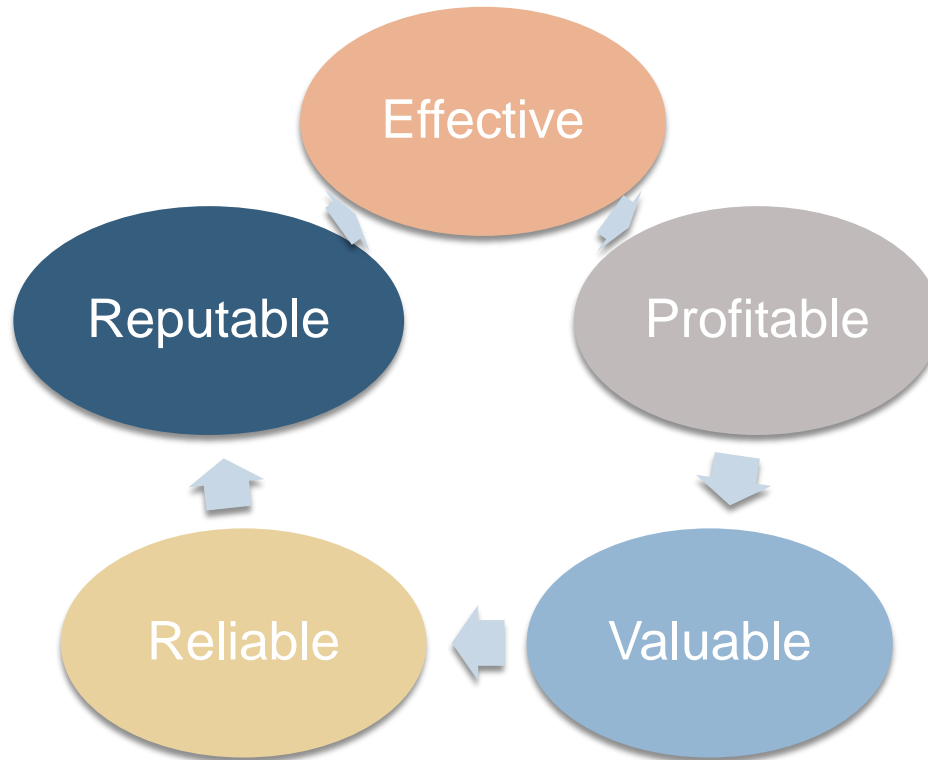
We have identified the impact and importance our Strategic Sustainability Elements' influence on the stakeholders and company. We monitor and review these elements regularly.





# What brings sustainability to you?

- ❑ Reduces threats and multiplies opportunities ...
- ❑ More...



- ❑ Prepares for the future...

# Thanks...

Sustainability reports have been prepared since 2011 are published on our website.

<https://www.icdas.com.tr/pages/4736/4736/f/en-US/Sustainability.aspx>

