

The Road Map of Jordan University of Science and Technology Towards Sustainability

By Jamal Abu-Ashour

© 2016 Google Image © 2016 DigitalGlobe

© 2016 Basarsolt

Google Earth







© 2016 Google Image © 2016 DigitalGlobe © 2016 ORION-ME Image © 2016 DigitalGlobe Jordan University of Science and Technology (JUST) Facts and Figures

Established in 1986

- 25000 students and 800 staff
- 5000 international students
- 12 faculties
- 55 departments
- 42 undergraduate programs
- 95 post-graduate programs

Jordan: facts and figures Area 89,341 km² Total population 9,559,000 Population growth rate (%) 5.3 Population median age (Year) 22.4 Life expectancy at birth (Year) 73.2 GDP per capita \$5,092 (Rank 95) Limited natural resources (No oil) Second poorest nation in per capita water share

Jordan University of Science and Technology

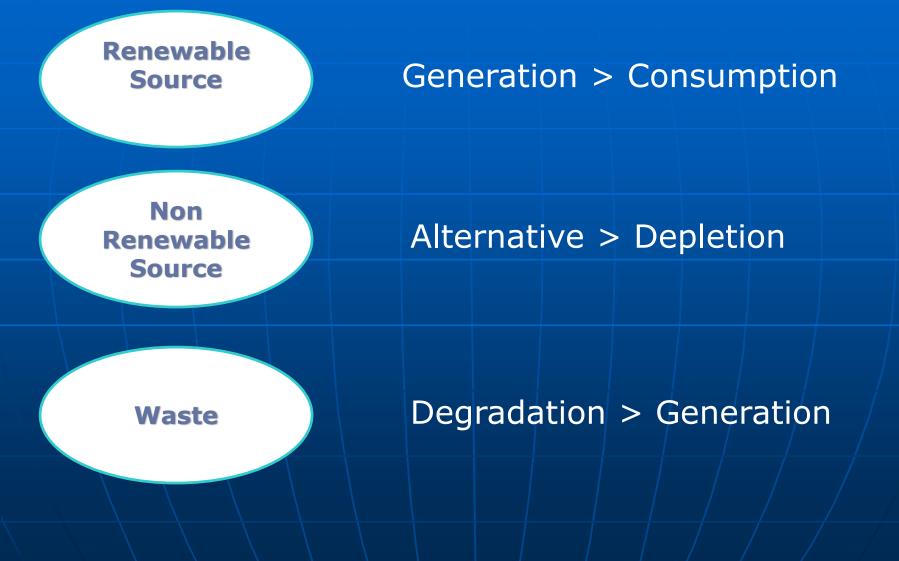
Policy Name: Environmental Sustainability 2016-2020

Policy number and code Legal reference

Table of Contents

Foreword	3
Introduction	4
Water Management	5
Solid Waste Management.	6
Biodiversity and Ecosystem	7
Energy Management and Carbon Emission	8
Sustainable Construction	10
Sustainable Procurement	11
Sustainable Transportation	12
Teaching and Research	.13

Environmental Sustainability



Water Management

Annual rainfall is less than 350 mm
 Annual water use is 540,000 m³
 Reclaimed water use is 434,000 m³

Earth dam
Artificial lake
Minimize leakage
Water use efficiency
Water harvesting

© 2016 ORION-ME © 2016 Google Image © 2016 DigitalGlobe Image © 2016 DigitalGlobe

Google Earth



Solid Waste Management

Solid waste generation is 1700 ton from campus and 1600 ton from hospital
Food waste is 50%
Paper use is 50 ton

Source Reduction
Food waste composting
Paper collection recycling

Energy Use

- Fuel consumption by vehicles is 376 m³
- Diesel use by boilers 900 m³
- Electricity consumption is 33.5 million KWh
- Use more efficient heating system
- Apply better management for use of vehicles
- 5 MWatt solar system was constructed
- 20 MWatt solar System is being constructed
- Total electricity generation from the two systems is 40 million KWh

Salam.Aljaber







