

Date:21.09.2023

# Environmental Sustainability

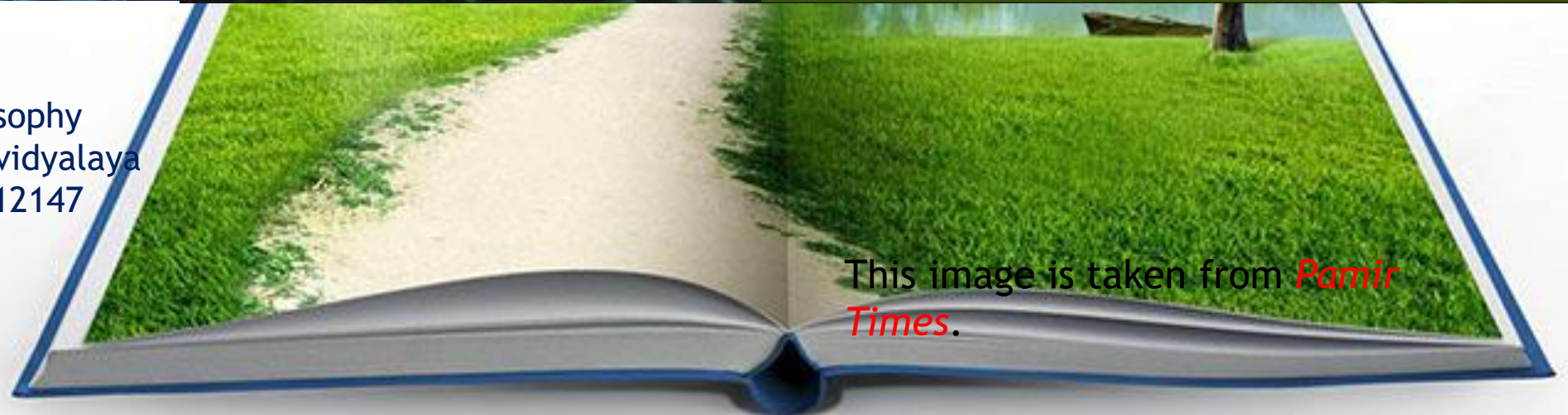
SEM-I ENVSC Multidisciplinary



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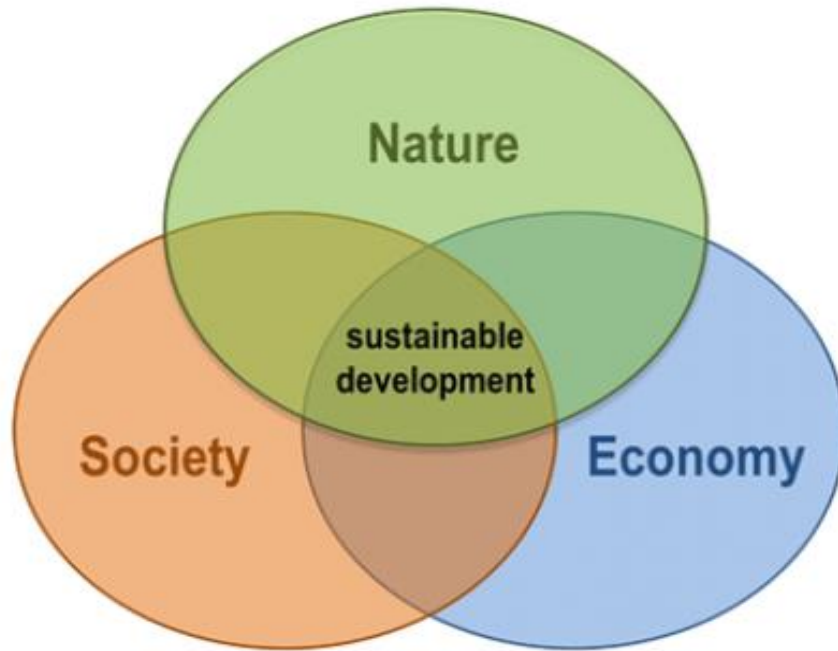
Image taken from <https://stock.adobe.com/>

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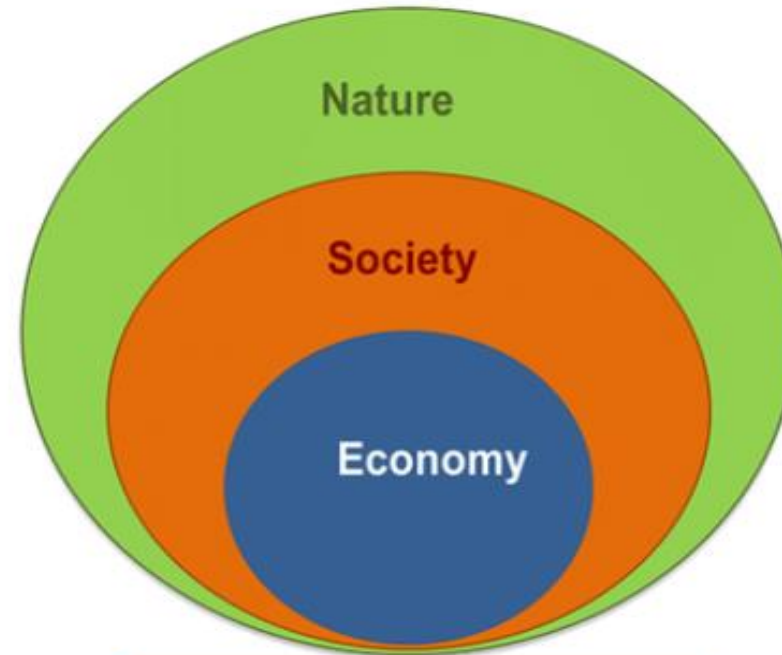
This image is taken from *Pamir Times*.

# Weak Sustainability vs Strong Sustainability



**Weak sustainability**

Based in Brundtland 1987.



**Strong sustainability**

Giddings 2002.

[https://www.researchgate.net/figure/Graphic-representations-of-weak-and-strong-sustainability-a-Weak-sustainability-or\\_fig2\\_333839433](https://www.researchgate.net/figure/Graphic-representations-of-weak-and-strong-sustainability-a-Weak-sustainability-or_fig2_333839433)

# Ethical Issue in Environmental Sustainability

## Resource Depletion

- ▶ **Environmental sustainability concerns about the preservation of natural resources and conservation of global ecosystems to promote human well-being of both the current and future generations.**

# Ethical Issue in Environmental Sustainability

## Resource Depletion

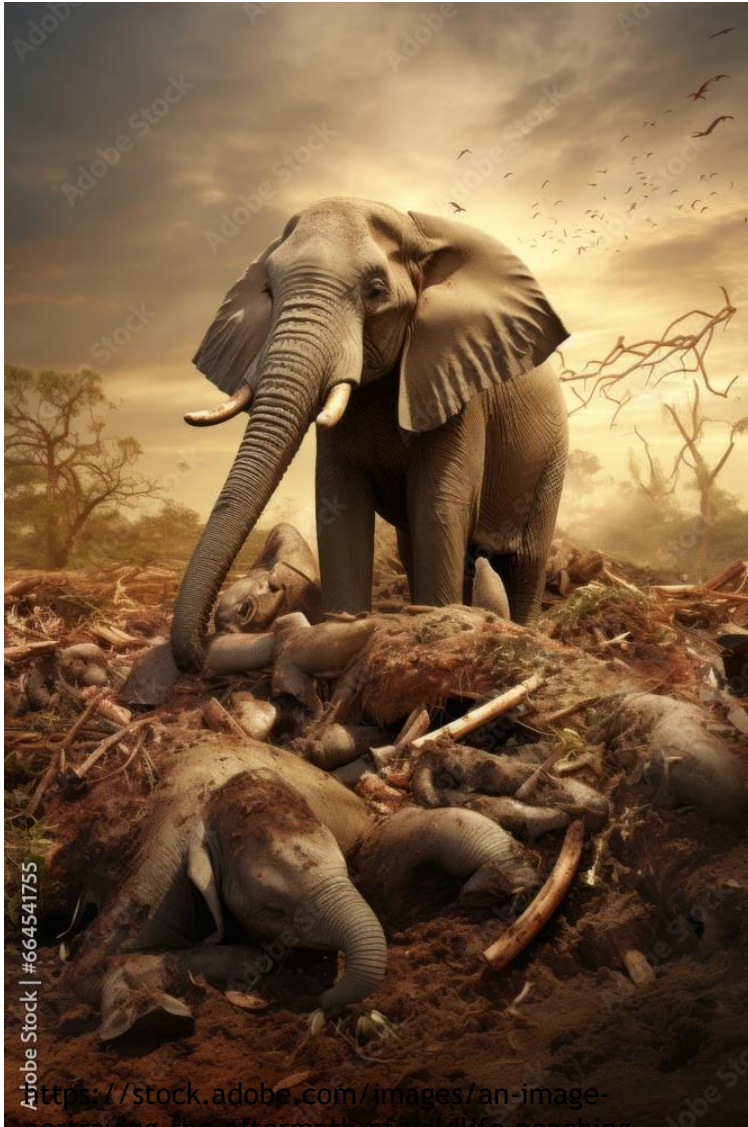


# Climate Change



<https://stock.adobe.com/images/climate-change-from-drought-to-green-growth/455801976>

# Biodiversity Loss



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<https://stock.adobe.com/images/an-image-portraying-the-aftermath-of-wildlife-poaching-demonstrating-the-brutal-impact-on-endangered-species-and-the-importance-of-conservation->



<https://stock.adobe.com/images/symbolic-image-of-the-abandoned-baby-doll-floating-in-the-middle-of-group-of-dead-fish-in-the->

# Pollution



<https://www.google.com/url?sa=i&url=https%3A%2F%2Funsplash.com%2Fphotos%2Fair-pollution&psig=AOvVaw1gcz33CeXBwZBy4lBJ2ui1&tust=1707677047680000&source=images&cd=vfe&opi=89978449&ved=0CBMQjRxqFwoTCNiowZy3oYQDFQAAAAAdAAAAABAJ>



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# Waste Management



<https://www.google.com/url?sa=i&url=https%3A%2F%2Fsocialspace.home.blog%2F2019%2F02%2F10%2Fimproper-waste-disposal%2F&psig=AOvVaw1XJTJjUg84tuCDMjUlW4MA&ust=1707677301942000&source=images&cd=vfe&opi=89978449&ved=0CBMQjRxqFwoTCKDpiuq3oYQDFQAAAAAdAAAAABAZ>



# Deforestation



[https://www.google.com/imgres?imgurl=https%3A%2F%2Fimages.nationalgeographic.org%2Fimage%2Fupload%2Ft\\_edhub\\_resource\\_key\\_image%2Fv1652341008%2FEducationHub%2Fphotos%2Fdeforestation.jpg&tbid=0FDPffvjUie36M&vet=12ahUKEwjZ-eSMuKGEAxUFsmMGHW8jBysQMygAegQIARBz..i&imgrefurl=https%3A%2F%2Fwww.nationalgeographic.org%2Fencyclopedia%2Fdeforestation%2F&docid=YJqgO-CEoTuAHM&w=860&h=580&q=Deforestation%20%20images&ved=2ahUKEwjZ-eSMuKGEAxUFsmMGHW8jBysQMygAegQIARBz](https://www.google.com/imgres?imgurl=https%3A%2F%2Fimages.nationalgeographic.org%2Fimage%2Fupload%2Ft_edhub_resource_key_image%2Fv1652341008%2FEducationHub%2Fphotos%2Fdeforestation.jpg&tbid=0FDPffvjUie36M&vet=12ahUKEwjZ-eSMuKGEAxUFsmMGHW8jBysQMygAegQIARBz..i&imgrefurl=https%3A%2F%2Fwww.nationalgeographic.org%2Fencyclopedia%2Fdeforestation%2F&docid=YJqgO-CEoTuAHM&w=860&h=580&q=Deforestation%20%20images&ved=2ahUKEwjZ-eSMuKGEAxUFsmMGHW8jBysQMygAegQIARBz)

# Land Degradation



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# Genetically Modified Organisms (GMOs)



<https://www.google.com/url?sa=i&url=https%3A%2F%2Fwww.online-sciences.com%2Fthe-living-organisms%2Fgenetically-modified-organisms-gmos-uses-advantages-and-disadvantages%2F&psig=AOvVaw0FltAgljIVz01A-SCGRq30&tust=1707677987890000&source=images&cd=vfe&opi=89978449&ved=0CBMQjRxqFwoTCKCGvrG6oYQDFQAAAAAdAAAAABAF>

# Water Scarcity



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[Collecting water from public water scarcity shanapur mumbai maharashtra india asia -  
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# Urbanization Challenges



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# Main Conditions of Environmental Sustainability

- ▶ Intergenerational and intragenerational equity:
- ▶ Integrated development planning:
- ▶ Civil society participation in decision-making.
- ▶ Preserving natural resources and biodiversity.
- ▶ More effective law and institution.
- ▶ Meaningful participation by the private sector.
- ▶ Regeneration of resources.

THANK YOU

