

GLOBAL CHALLENGE	OPL PRINCIPLE	OPL GOAL and STRATEGY
Climate change due to human-induced build up of carbon dioxide (CO ₂) in the atmosphere	Zero Carbon	<i>Achieve net CO₂ emissions of zero from OPL developments</i> Implement energy efficiency in buildings and infrastructure; supply energy from on-site renewable sources, topped up by new off-site renewable supply where necessary.
Waste from discarded products and packaging create a huge disposal challenge while squandering valuable resources	Zero Waste	<i>Eliminate waste flows to landfill and for incineration</i> Reduce waste generation through improved design; encourage re-use, recycling and composting; generate energy from waste cleanly; eliminate the concept of waste as part of a resource-efficient society.
Travel by car and airplane can cause climate change, air & noise pollution, and congestion	Sustainable Transport	<i>Reduce reliance on private vehicles and achieve major reductions of CO₂ emissions from transport</i> Provide transport systems and infrastructure that reduce dependence on fossil fuel use, e.g., by cars and airplanes. Offset carbon emissions from air travel and perhaps car travel.
Destructive patterns of resource exploitation and use of non-local materials in construction and manufacture increase environmental harm and reduce gains to the local economy	Local and Sustainable Materials	<i>Transform materials supply to the point where it has a net positive impact on the environment and local economy</i> Where possible, use local, reclaimed, renewable and recycled materials in construction and products, which minimises transport emissions, spurs investment in local natural resource stocks and boosts the local economy.
Industrial agriculture produces food of uncertain quality and harms local ecosystems, while consumption of non-local food imposes high transport impacts	Local and Sustainable Food	<i>Transform food supply to the point where it has a net positive impact on the environment, local economy and peoples' well-being</i> Support local and low impact food production that provides healthy, quality food while boosting the local economy in an environmentally beneficial manner; showcase examples of low-impact packaging, processing and disposal; highlight benefits of a low-impact diet.
Local supplies of freshwater are often insufficient to meet human needs due to pollution, disruption of hydrological cycles and depletion of existing stocks	Sustainable Water	<i>Achieve a positive impact on local water resources and supply</i> Implement water use efficiency measures, re-use and recycling; minimise water extraction and pollution; foster sustainable water and sewage management in the landscape; restore natural water cycles.
Loss of biodiversity and habitats due to development in natural areas and overexploitation of natural resources	Natural Habitats and Wildlife	<i>Regenerate degraded environments and halt biodiversity loss</i> Protect or regenerate existing natural environments and the habitats they provide to fauna and flora; create new habitats.
Local cultural heritage is being lost throughout the world due to globalisation, resulting in a loss of local identity and wisdom	Culture and Heritage	<i>Protect and build on local cultural heritage and diversity</i> Celebrate and revive cultural heritage and the sense of local and regional identity; choose structures and systems that build on this heritage; foster a new culture of sustainability.
Some in the industrialised world live in relative poverty, while many in the developing world cannot meet their basic needs from what they produce or sell	Equity and Fair Trade	<i>Ensure that the OPL community's impact on other communities is positive</i> Promote equity and fair trading relationships to ensure the OPL community has a beneficial impact on other communities both locally and globally, notably disadvantaged communities.

Rising wealth and greater health and happiness increasingly diverge, raising questions about the true basis of well-being and contentment	Health and Happiness	<i>Increase health and quality of life of OPL community members and others</i> Promote healthy lifestyles and physical, mental & spiritual well-being through well-designed structures and community engagement measures, as well as by delivering on social and environmental targets.
--	-----------------------------	--