

# **Environmental Sustainability Plan**

## **Outline proposal**

**SISStA – 23<sup>rd</sup> January 2023**

# Planetary boundaries

**NINE** planetary systems working together form Earth's fundamental operating structure

climate change	ocean acidification	land use change
freshwater use	chemical pollution	aerosol pollution
ozone depletion	biogeochemical flows	biodiversity loss

Each has its own boundary that if breached will compromise the integrity of life on Earth

**FOUR** systems are in the boundaries' danger or uncertainty zones

# Environmental Sustainability Plan – purpose

**TWO** main categories of human-induced harm to the environment

## **Climate change –**

humans burn carbon-based fossils to create energy PLUS human activity that increases all greenhouse gases TOGETHER raise atmospheric temperature that disrupts natural climate cycles

## **Ecosystems services degradation –**

humanity's indifferent consumption and waste management of Earth's natural resources

# Should SIStA operate sustainably?

SI accepts that many human activities harm the environment  
Many deniers concede scientific evidence for climate change

Environmental harm threatens survival of carbon-based life  
**INCLUDING the human species**

Now that we know this, do we ignore it?

OR

**Do we have a moral imperative  
to prevent environmental harm by changing our behaviour?**

SI embraces action to prevent environmental harm

# Planet Team proposal – SIStA ESP

To develop an ESP for SIStA to move towards a more environmentally sustainable way to achieve the SI Mission

Answering the **before and after** questions of –

**How environmentally sustainable is the way that  
SIStA operates now?**

**How much more environmentally sustainable can  
SIStA work to achieve the SI Mission?**

# EXAMPLES of procedures to review?

SISStA operating practices	Issues to be reviewed
Use of Church Hall	Power – lights, space/water heat Water – refreshments, cleaning, sewerage Waste disposal – recycle v landfill
Comms, IT, website	Carbon emissions of – <ul style="list-style-type: none"><li>• Email &amp; messaging media</li><li>• Website – hosting, data storage</li><li>• Comms – Zoom etc</li></ul>
Purchases	Packaging Product materials Transport from where made Supplier ESG
Travel – Member, guest, speaker	Public/private vehicle Lift-sharing F2F v online
Catering	Packaging, meat, cutlery/crockery materials