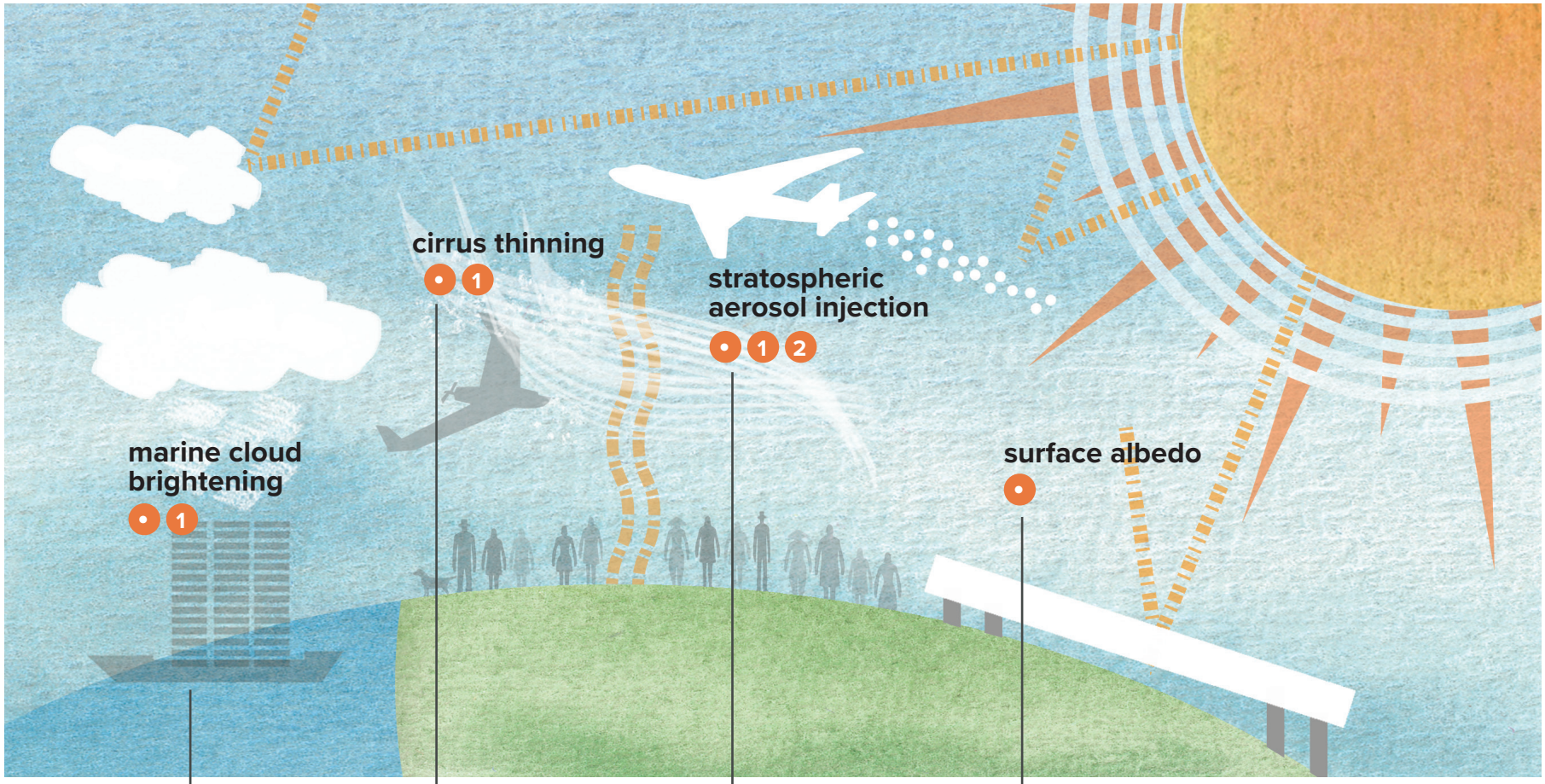
Governing Solar Radiation Modification



Shared Governance Challenges include:

- Codes of conduct, guardrails and public policy direction for research;
- Assessing the risks and potential benefits to sustainable development in a risk-risk framework;
- Monitoring, attribution and management of risks and impacts;
- Potential public concerns, including transparency of information, accountability, involvement in decisions;
- Liability and compensation.

Specific Governance Challenges include:

1. Globally legitimate decision-making on whether or not to research; to consider for use; to decide whether or not to deploy;
2. Institutional guarantees against premature termination.

Seeding clouds above ocean surfaces (such as with self-steering, autonomous ships) or whitening clouds above land to reflect sunlight back into space

Thinning cirrus clouds to allow more infrared radiation to escape from the Earth

Injecting reflective aerosol into the lower stratosphere to increase planetary albedo (reflectivity), and reduce temperatures

Making surfaces (such as urban areas, roads, agricultural land, grasslands, deserts, polar ice caps, or oceans) brighter to reflect solar radiation

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November 2018

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