



Promoting Cooperative Solutions for Space Sustainability

Space2030 and the SDGs: Seeking to Broaden Benefits Through Synergy

Michael Simpson
Secure World Foundation

- Each targeting the same year of reckoning, the SDGs and Space2030 have a natural opportunity for synergy
- With written goals, indicators and waypoints, the SDGs have blazed a trail in at least three areas critical for Space2030:
 - Embracing benefit
 - Measuring Impact
 - Communicating Value

Seventeen SDG's



Signatories agreed to “promote transparent and accountable scaling-up of appropriate public-private cooperation to exploit the contribution to be made by a wide range of data, including earth observation and geo-spatial information.”

Each goal is backed up with specific indicators designed to focus effort and ease evaluation of progress.

There are 230 unduplicated indicators elaborated in just 12 pages.

Make progress on even a few of those and you are part of the solution.

- “Desiring to promote energetically the fullest exploration and exploitation of outer space for the benefit of mankind, Conscious that recent developments in respect of outer space have added a new dimension to man's existence and opened new possibilities for the increase of his knowledge and the improvement of his life,... 1. [The General Assembly] Establishes an ad hoc Committee on the Peaceful Uses of Outer Space ARES/13/1348E ,13 December 1958.
- Simpson, Christensen, Wilson, “Broadening Benefit,” IAC-17-E6.2.1

Using the SDG's as a Measuring Tool

Goal 3. Ensure healthy lives and promote well-being for all at all ages.

Target 3.6: By 2020, halve the number of global deaths and injuries from road traffic accidents.

Indicator 3.6.1: “Death rate due to road traffic injuries.”

Potential Outcome Statement: “In regions where Satellite PNT services supported collision avoidance technologies, the death rate due to road traffic injuries was reduced by X%.”

Space-centered message:

Sat tech supports Tele-ed through transmissions in Ku and C bands to SIT and ROT equipped facilities in remote areas. [Lots of fancy equipment in pictures]

SDG-centered Message:

A developed world needs up-to-date teachers.*
Satellites make that possible everywhere. Two pictures: the teacher as learner. The teacher leading a class.

*Supporting SDG target 4c.

Accepting Leadership

- It's time to walk the talk.
- Space2030 and the SDGs are in resonance.
- How much benefit and value we add to their conjunction is up to us.
- Inevitably, we **WILL** be held to account.

- Broad access to space and its applications.
- Traffic management in Earth orbit.
- Space debris mitigation.
- More “design-to-need.”
- An annual inventory of Space-facilitated progress on SDGs.
- An annual HLF.
- A COP for the OST