



## 11.3.1 Task B Operational – Data sharing and management: Options for Sharing, Collaboration and Production Online.

- UN DESA (Department of Economics and Social Affairs) Statistics Division:  
<https://www.un.org/development/desa/en/>
- ArcGIS Online account: <http://undesamaps.arcgis.com/home/index.html>
- The first to the left is a Story Map about Geospatial & Statistical collaboration in Ireland from the Ordnance Survey Ireland (OSi). A Partnership for Success, Geospatial & Statistical Collaboration in Ireland:  
<http://irelandsdg.maps.arcgis.com/apps/Cascade/index.html?appid=d2bd1efe99ee408a96193d57ba0ec507>
  - They acknowledge the importance of authoritative national statistics data and geospatial data in National Data Infrastructure.
  - 500+ layers of geo-statistical information.
  - Ireland's Hub for Sustainable Development Goals
- The second Story Map is about the Global Fundamental Geospatial Data Themes:
  - There are 14 data themes
  - Notice that one is on Elevation and Depth.

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- **Ocean Health Index:** <http://www.oceanhealthindex.org>
- The Ocean Health Index is a valuable tool for the ongoing assessment of ocean health.
- The Index is a collaborative effort, made possible through contributions from more than 65 scientists/ocean experts and partnerships between organizations including:
  - the National Center for Ecological Analysis and Synthesis,
  - Sea Around Us,
  - Conservation International,
  - National Geographic, and
  - the New England Aquarium.
- The Maps <http://www.oceanhealthindex.org/region-scores/maps> show the world map with scores for each goal and sub-goal. Country maps are shown first followed by high seas maps.
- The Ocean Health Index in ArcGIS Online:  
<http://esriho.maps.arcgis.com/home/item.html?id=fa282fa385364b93b6937a3be44d6107>

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- **I3S Format, designed for 3D.**
- The I3S format is intrinsically designed to support 3D geospatial content. The requisite coordinate systems and height models are used in conjunction with a rich set of layer types.
- The goal is to be able to stream large 3D datasets with high performance and scalability. The I3S format is designed from the ground up to be cloud, web and mobile friendly. It is based on JSON, REST and modern web standards, making it easy to handle, parse, and render by Web and Mobile Clients.
- the I3S format is an open standard. By being an open standard, the hope is to ensure that adopting organizations have flexibility in accessing and visualizing their 3D data.
- Working with i3S lidar data: <http://arcg.is/DLbPj>

## 11.4 Geographic Content:

- Living Atlas of the World and the Community Maps Program
  - Website: <http://livingatlas.arcgis.com/en/>
  - Discover the Esri's Living Atlas of the World Website (a 4:54 min video): <https://youtu.be/j5F0SfG4wi4>
  - Critical Content for Disaster Response Available in the Living Atlas
    - Part 1: [https://youtu.be/VPP9Tvwa\\_Q8](https://youtu.be/VPP9Tvwa_Q8) and
    - Part 2: <https://youtu.be/TIAHda01uR4>
- Community Maps Program
  - <https://communitymaps.arcgis.com/>



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