# DEVELOPER RESOURCES

# ACCELERATING GEOSPATIAL REMOTE SENSING WORKFLOWS

GTC Session Recorded Here

# ACCELERATING INSIGHTS FROM GEOSPATIAL DATA USING GPUS AND RAPIDS, AND ITS APPLICATION TO PUBLIC SECTION USE

GTC Session Recorded Here and PPT Linked Here

# RADIANT EARTH FOUNDATION

## Focused on Applying Machine Learning for Earth Observation to Meet the Sustainable Development Goals – the World's Most Critical Challenges

Radiant Earth focuses on three key strategic goals:

- Fostering an open source "Hub" to discover and access EO training datasets and ML models;
- Cultivating a community of practice to develop standards around ML on EO and to expand the interoperability of these tools and datasets; and
- Raising awareness amongst global development actors, data scientists, and geospatial professionals on the progress and innovation in the ML and EO marketplace.

Links

- Radiant Earth Foundation Main Website: Radiant Earth Foundation – Earth Imagery for Impact
- Radiant MLHub EARTH IMAGERY FOR IMPACT Radiant MLHub: Radiant MLHub — Open Geospatial ML Library

# THE ENVIRONMENTAL DATA SCIENCE BOOK

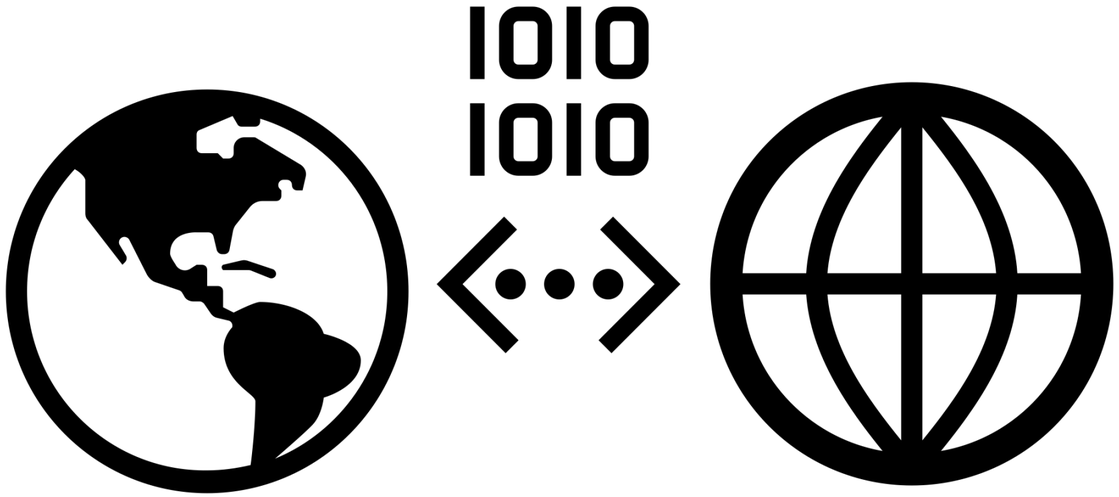
## Showcase and Support the Publication of Data, Research and Open-source Tools Using Data Science and AI for Monitoring and Modelling a Wide Diversity of Environmental Systems

The Environmental Data Science is:

- a book
- a community
- a global collaboration

We target to make sense of:

- environmental systems
- environmental data and sensors
- innovative research in Environmental Data Science
- open-source tools for Environmental Data Science



# ESTIMATING GENERALIZED MEASURES OF LOCAL NEIGHBORHOOD CONTEXT FROM MULTISPECTRAL SATELLITE IMAGES USING A CONVOLUTIONAL NEURAL NETWORK

- Paper: Estimating generalized measures of local neighbourhood context from multispectral satellite images using a convolutional neural network
- GitHub: GDSL-UL/sat_cnn
- Using Data from Harvard Dataverse


*A) ESA supplied True Colour Image* *B) Re-processed image*