Artificial Intelligence for Earth Observation: join the UNOSAT Challenge

by Staff Writers
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Phi-Unert has just launched a premium AI4EO Challenge to help UNOSAT detect building footprints in Iraq. The challenge is organized in partnership with ESA, UNOSAT, RUS Copernicus and with the technical advisory of CERN openlab.

The challenge is a unique opportunity for EO passionate to show their talent to these premium partners.

Phi-Unet, University Network powered by the European Space Agency, has just launched a premium challenge in partnership with ESA, UNOSAT and with the technical advisory of CERN openlab. Another important partner of the challenge is RUS Copernicus which will provide candidate with free access to RUS Virtual Machines.

Candidates of the Challenge will have to build an artificial intelligence model based on earth observation data to help UNOSAT detect building footprints in Iraq.

This request comes from UNFPA, the United Nations Population Funds, which is assisting the Government of Iraq in the local census, crucial information source for the strategic planning of development and reconstruction activities.

The Challenge is a unique opportunity to work on a humanitarian cause with 3 great international organizations: UNOSAT (United Nations) and the European Space Agency and CERN. Candidates submitting the best project will be able to work together with UNOSAT and CERN people and bring their model to reality.

The Challenge will be deployed in two phases: during Phase 1 candidates will have to detect urban areas using Sentinel-1 Data Provided by ESA and DLR.

During Phase 2 candidates will have to detect building footprints using very high resolution imagery (VHR) provided by UNOSAT.