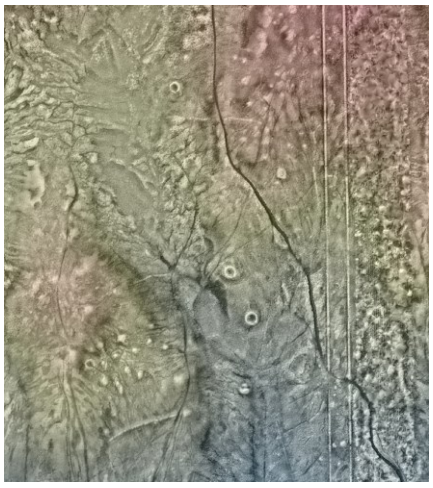
# Developing an approach to national mapping: Preliminary work on Scotland in miniature

**Dr Lukasz Banaszek: Remote Sensing Mapping Manager, Historic Environment Scotland**

The increasing availability of remotely sensed data in Scotland presents opportunities and challenges. While complete coverage of orthophotos have been available for a few years now, availability of Aerial Laser Scanning (ALS) is patchy, though there is an aspiration to greater or even complete coverage. This raises a challenge to how Historic Environment Scotland, as the national body of survey for Scotland, deals with the rapidly increasing remote sensed data in defining an approach to national mapping.



Aerial Laser Scanning by Fugro.

Established approaches to archaeological prospection emphasise field reconnaissance, supported by remote sensed data, but this is a relatively resource intensive operation. Preliminary work on the Island of Arran, which is colloquially known as 'Scotland in Miniature', to develop national-scaled mapping is discussed, including presentation of new discoveries, aspects of multi-scaled data and an aspiration to develop streamlined workflows that foreground remote sensed data and automated object detection. This is requiring development of new workflows, but also the renegotiation of aspects of established practice.