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**Abstract #357774****ICELANDIA**

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**FOULGER, Gillian R.**, Dept. of Geological Sciences, Durham University, Durham, DH1 3LE, United Kingdom, **GERNIGON, Laurent**, Continental Shelf Geophysics, Geological Survey of Norway (NGU), Leiv Eirikssons vei 39, Trondheim, 7040, Norway and **GEOFFROY, Laurent**, Institut Universitaire Européen de la Mer (IUEM), Technopôle Brest-Iroise - rue Dumont d'Urville, Brest, 29280, France

Continental crust and lithosphere is more widely distributed in the oceans than generally assumed. It may comprise blocks of full-thickness continental lithosphere or extended, magma-inflated continental layers that form hybrid continental/oceanic lithosphere. We propose a new, sunken continent beneath the North Atlantic Ocean that we name Icelandia. It underlies the Greenland-Iceland-Faroe Ridge and the Jan Mayen Microplate Complex, covering an area of ~ 600,000 km<sup>2</sup>. It is contiguous with the Faroe Plateau and known parts of the submarine continental rifted margin offshore Britain. If these are included to form a "Greater Icelandia" the entire area is ~ 1,000,000 km<sup>2</sup> in size. The existence of Icelandia needs to be tested. Candidate approaches include magnetotelluric surveying in Iceland, ultra-long, entire-crust-penetrating reflection profiling along the length of the Greenland-Iceland-Faroe Ridge, dating zircons collected in Iceland, deep drilling, and re-appraising the geology of Iceland. Some of these methods could be applied to other candidate sunken continents.

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***Presenting Author***

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Gillian R. Foulger

**Email:** gillian.foulger@gmail.com

**Alternate Email:** gillian.foulger@gmail.com

Durham University

Dept. of Geological Sciences

Durham DH1 3LE

United Kingdom

**Student? N**

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Laurent Gernigon

**Email:** laurent.gernigon@ngu.no

Geological Survey of Norway (NGU)

Continental Shelf Geophysics

Leiv Eirikssons vei 39

Trondheim 7040

Norway

**Student? N**

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Laurent Geoffroy

**Email:** Laurent.Geoffroy@univ-brest.fr

Institut Universitaire Européen de la Mer (IUEM)

Technopôle Brest-Iroise - rue Dumont d'Urville

Brest 29280

France