



DRAFT

**International Union of Geological Sciences (IUGS), Initiative on Forensic Geology (IFG)  
Potential Information for IUGS E-Bulletin  
Submission for July 2019**

Each month IUGS requests a couple of headlines for potential inclusion in the IUGS E-Bulletin, for global circulation. The proposed IFG items for inclusion for August 2019 are as follows.

**Countering Fraud and Corruption in Minerals and Mining**

IUGS-IFG is considering methods to manage and mitigate criminal activities associated with mineral, mining and metals. This includes conflict minerals, sample adulteration, substitution and the theft of metals and refinery products. These will form part of upcoming conferences including the 4<sup>th</sup> IberoAmerican Congress on Forensic Geology, Puerto Vallarta, Mexico, October 2019 and at the forensic geology session, 36<sup>th</sup> IGC, Delhi, India, March 2019.

**Forensic Geology & Forensic Archaeology Collaboration**

IUGS-IFG was represented at the 8th European Meeting on Forensic Archaeology European Meeting on Forensic Archaeology, 22-23 August 2019, Moesgaard Museum, 8270 Højbjerg, Denmark. This event was arranged with the support of the Danish National Police and the European Network of Forensic Science Institutes (ENFSI).

**European Network of Forensic Science Institutes (ENFSI)**

IUGS-IFG is linking with the European Network of Forensic Science Institutes (ENFSI), through the treasurer of IUGS IFG (Prof Lorna Dawson). She is a member of the Animal Plant Soil Trace (APST) working group and is currently contributing to writing a European Best Practice Manual. Further opportunities for synergy will be discussed at a meeting in The Hague, in the Netherlands, in September 2019. This is a widening of our lineages with other established networks such as those established with OSAC-NIST in the USA. These associations assist in promoting, developing and standardising forensic geology around the world.

**Forensic Geology Training Video, USA**

IUGS-IFG has endorsed and agreed to support the production of a professionally produced training video on the forensic collection of soil samples. This is aimed at raising skills levels and the standardisation of soil collection at crime scenes.

INTERNATIONAL UNION OF GEOLOGICAL SCIENCES

**Dr Laurance Donnelly**

BSc (Hons), PhD (Geol), CGeol, CSci, EurGeol, FGS, FGA

Chair, Initiative on Forensic Geology (IFG)

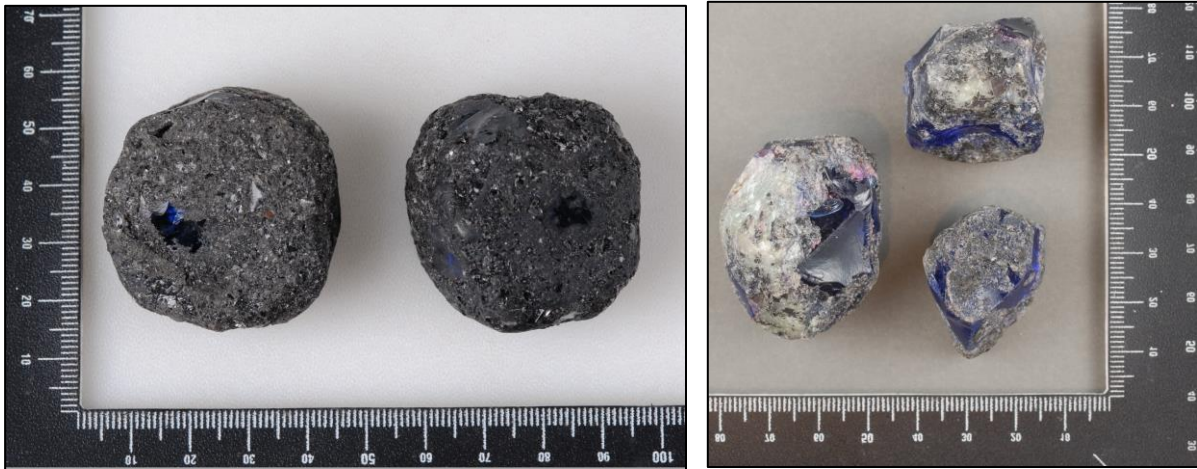
Forensic Geology  
Police and Law Enforcement Search  
Crime Scene Examination  
Geological (Trace) Evidence

308 Rossendale Road  
Bumley, Lancashire  
BB11 5HN  
UNITED KINGDOM  
+44 (0) 7970 038 236  
geologist@hotmail.co.uk



WWW.IUGS.ORG

### Possible Photographs



Fake 'sapphires' made using glass, blue dye and micaceous material mixed with glue coating the exterior, in an attempt to imitate blue sapphires in the rough. The objects are approximately 40 mm in diameter (Photos: Roger R Dixon, In: Donnelly, L. J., Pirrie, D., Harrison, H., Ruffell, A., Dawson, L. (Eds) (2020). *A Guide to Forensic Geology*. International Union of Geological Sciences (IUGS), Initiative on Forensic Geology (IFG). Geological Society of London Publication (in prep).



Stolen converter matte disguised as potatoes, on route from South Africa to a refinery in Europe (After In Dixon, R. & Schouwstra, R. 2017. The role of forensic geology in the illicit precious metals trade. In: Donnelly, L. J. (ed) *Episodes Journal of International Geoscience*. Special Issue on Forensic Geology, International Union of Geological Sciences, June 2017, 40(2), 132-140).