



**British
Geological Survey**

NATURAL ENVIRONMENT RESEARCH COUNCIL

Applied geoscience for our
changing Earth

celebrating
175
years



British Geological Survey

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www.bgs.ac.uk

IMAGES Progress Meeting, Warwick University

10 March, 2017

Summary of progress since AGM

- Funding & future work
 - Low and work has been curtailed – plus external work
 - Mainly planning the writing up of BGS research
 - Couple of short experiments – stress rig & min/pet work
- Reports – originally one, now split into 2:
 - Evans - UK UGS facilities – operational ranges etc. (ready for internal review)
 - Evans – Review of CAES worldwide, from late 60s to recent (needs work)
- GIS – been invaluable to BGS work but re-assess online as likely problems
 - Longer term – maintenance, host etc.
 - Licence fees for databases – e.g. Renewables UK (wind), BGS background IPR databases



Summary of progress since AGM cont'd - papers

- BSRG – Dec. 2016 presentation by Hough & Evans – sedimentology of Preesall/Northwich halites
- Papers - a number of papers contributed to and in part the result of IMAGES work:
 - Evans, DJ & Busby, J. (2017) – Tanks and Terminals(!) – UK gas storage
 - Crotogino, Schneider & Evans (in press) - Renewable energy storage in geological formations. Special issue of Journal of Power and Energy.
- Papers in preparation
 - Parkes, Evans, Williamson & Busby. UK salt deposits, volumes and cavern volume estimates.
 - Field, L.P., Milodowski, A.E., Palumbo-Roe, B., Hall, M.R., Evans, D., Marriott, A.L., Barlow, T., Devez, A. Determining constraints imposed by salt fabrics on the morphology of brined cavities.
 - Harrington, Cuss & Others: stress tests (awaiting go ahead/funding)
- Planned: Evans, Parkes, Busby, Garvey, Luo, He & Wang. UK salt beds and assessing exergy storage potential.

