

British Library, repositories & EThOS

Sara Gould

UKCORR meeting 7 July 2017

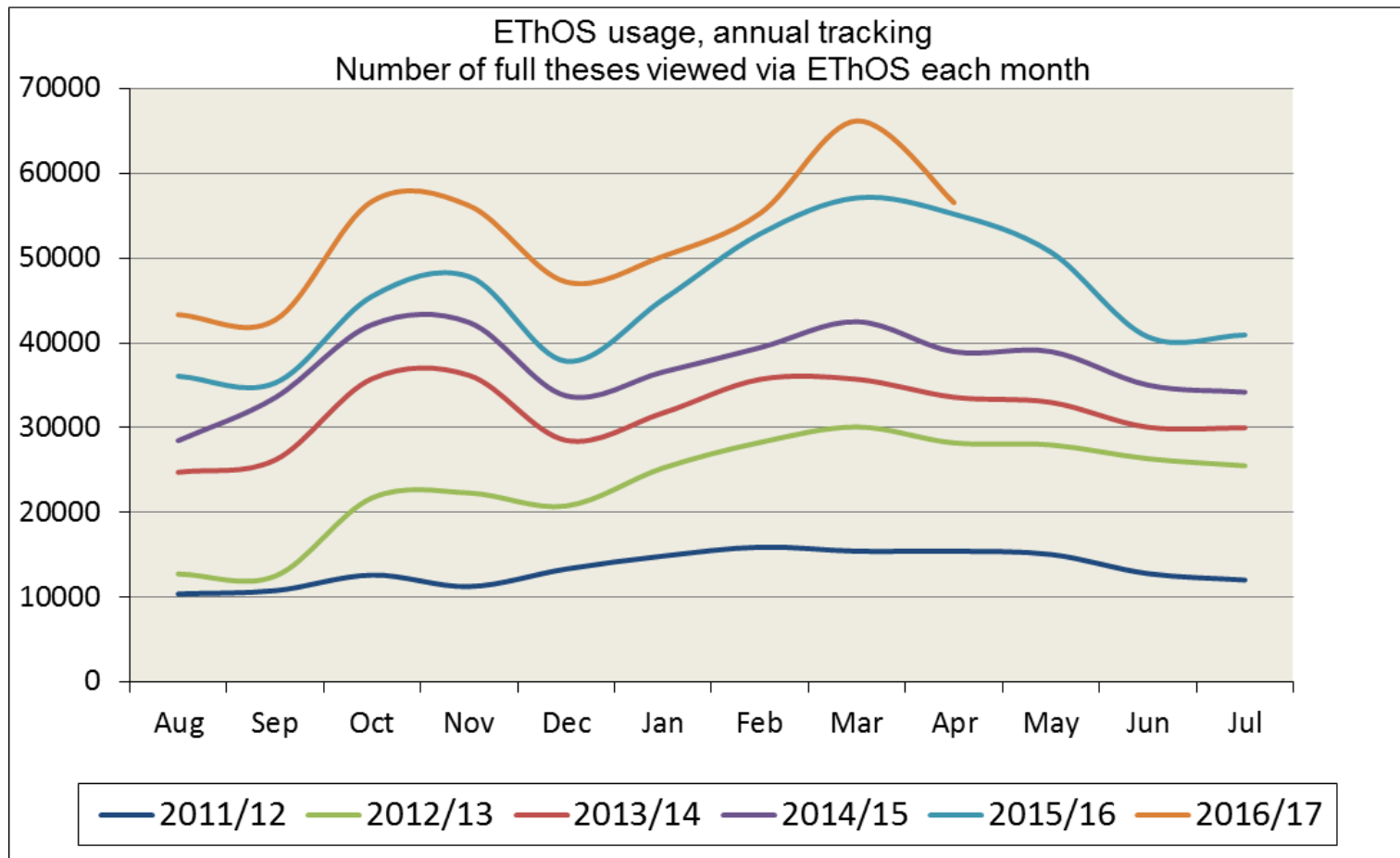
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Title:	The immunopathology of erythema nodosum leprosum		
Author:	Gobena, Edessa	ISBN:	0000 0004 5990 3132
Awarding Body:	London School of Hygiene & Tropical Medicine		
Current Institution:	London School of Hygiene and Tropical Medicine (University of London)		
Date of Award:	2016		
Availability of Full Text:	Access through ETHOS: Immediate download. Please login to continue. Access through Institution: http://researchonline.lshtm.ac.uk/2837741/		
Abstract:	<p>Leprosy is a disease caused by <i>Mycobacterium leprae</i>, an acid-fast bacillus whose clinical spectrum correlates with the host immune response. Erythema nodosum leprosum (ENL) is an immune-mediated inflammatory complication causing high morbidity in affected leprosy patients. A case-control follow-up study was conducted in Ethiopia to test the hypothesis that ENL is associated with impaired immune regulation. In 46 patients with ENL and 31 lepromatous leprosy (LL) matched controls, the frequency of regulatory T-cells, memory T-cells and B-cells were analysed by flow cytometry. The in vitro pro-inflammatory cytokines production by peripheral blood mononuclear cells (PBMCs) to the response of <i>M. leprae</i> whole cell sonicate stimulation was determined by Enzyme-linked immunosorbent assay. The gene expression of these cytokines in the blood and skin biopsies was determined by quantitative polymerase chain reaction (qPCR) before and after treatment. Patients with ENL had lower percentage of CD4+ regulatory T-cells than LL controls at recruitment. The percentage of CD3+, CD4+ and CD8+ T-cells expressing activated T-cells were significantly higher in the PBMCs of patients with ENL than in LL controls before treatment. The in vitro production and gene expression of the cytokines: TNF-α, IFN-γ, IL-1β, IL-6, IL-8 and IL-17A were significantly increased in untreated patients with ENL. ENL patients had a higher median percentage of tissue-like memory (TLM) and activated memory (AM) B-cells than LL controls before treatment while the median percentage of total B-cells and resting memory (RM) B-cells did not significantly different in both groups before treatment. The level of anti-PGL-1, LAM and Ag85 antibodies were not significantly different in patients with ENL before treatment. Patients with ENL had significantly lower circulating C1q than LL controls before treatment. However, after treatment, the amount of circulating C1q was not significantly different in both groups. Our findings suggest that ENL is associated with reduced percentage of regulatory T-cells and increased CD4+/CD8+ T-cell ratio and this immune imbalance may lead to the initiation of ENL reactions in either permitting productions of antibodies critical to an immune-complex formation or as a cell-mediated immune response in patients with leprosy. Consequently, this study illuminates the role of T-cell activation in the pathogenesis of ENL reaction and challenges the long-standing dogma of immune-complexes as the sole aetiology of ENL reactions.</p>		
Supervisor:	Lockwood, D.	Sponsor:	Hospitals and Homes of St Giles
Qualification Name:	Thesis (Ph.D.)	Qualification Level:	Doctoral
ETHOS ID:	uk.bl.ethos.694209	DOI:	10.17037/PUBS.02837741

EThOS – thesis views per month



EThOS – recent round-up

- No major changes, but evolving nicely
- Removed the basket for immediate downloads
- Fast approaching 500,000 records (466,000 now)
- Search results – coming soon
- Digitisation of theses rapidly declining as % of overall use

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malawi hygiene

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Search results

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Results page: of: 2

[An integrated approach to assessing the public health impacts of NGO water, sanitation and hygiene programmes in rural communities : a case study from southern Malawi](#)

Author: Tayea, Alia A.
Awarding Body: University of Strathclyde
Awarded: 2010



[Train to retain : the role of specialty training in stemming Malawi's medical brain drain](#)

Author: Mandeville, K.
Awarding Body: London School of Hygiene & Tropical Medicine
Awarded: 2016



[Assessing women's quality of life in rural Malawi : a capabilities index](#)

Author: Greco, Giulia
Awarding Body: London School of Hygiene & Tropical Medicine
Awarded: 2013



[Starting, stopping and switching : contraceptive dynamics and fertility in rural northern Malawi](#)

Author: Dasgupta, A. N. Z.
Awarding Body: London School of Hygiene and Tropical Medicine (University of London)
Awarded: 2015



[Comparison of effectiveness of using trained key informants versus health surveillance assistants in identifying blind and visually impaired children in Malawi](#)

Author: Kalua, K.
Awarding Body: London School of Hygiene & Tropical Medicine
Awarded: 2016

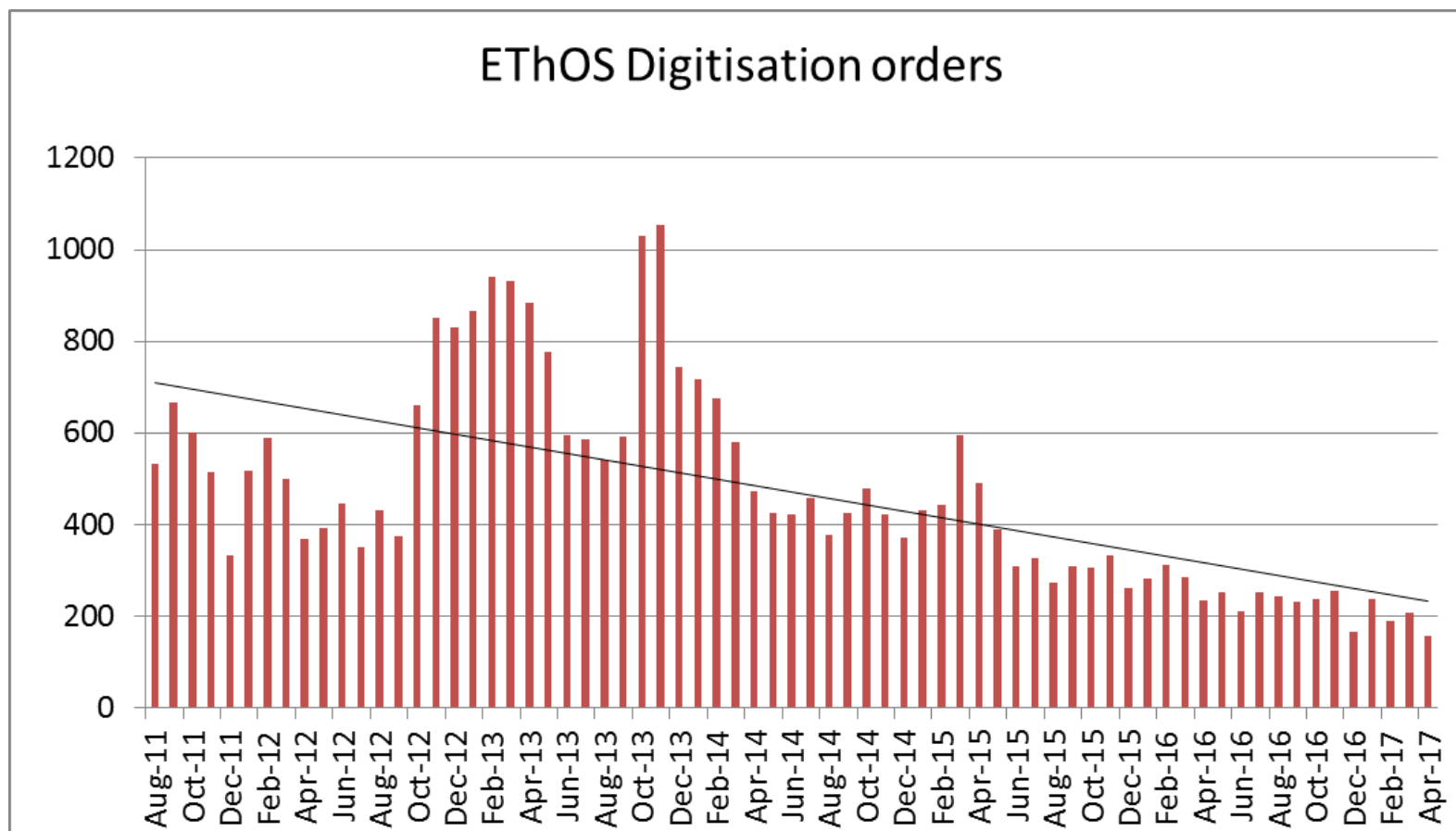


[Infertility and women's life courses in northern Malawi](#)

Author: Hemmins, .Inanne Mary



Declining digitisation orders



EThOS: still to do

- Fill the gaps (please send us missing records)
- Improve handling of large and non-text files
- Identifiers – DOI & ORCID
- Digitise old theses?
- British Library preservation service for theses
- Better technology ...

A British Library access repository?

- BL currently hosts several repository-like functions with an access layer, e.g. ethos.bl.uk & data.bl.uk
- BL is an IRO – Independent Research Organisation. Our own research outputs need an open access home
- A new repository infrastructure would be able to host these – and offer shared repository services for other content.

Replacing the BL Digital Library System

- BL's preservation system – 10 years old, built in-house
- July 2017 – tender for replacement
- Enhance capacity for BL – but could offer to others

Current system (solely BL)	Replacement (shared service)
Single tenant (British Library)	Multi-tenancy enabled
Preservation-focused system	Preservation and access
800 TB, replicated over four sites	Dramatic increase in scalability

New repository infrastructure

ETHOS

Data.bl.uk

British Library
Institutional
Repository

Partner
Repositories

Access Repository System Layer

Services Layer (e.g. digitisation)

British Library Preservation Layer

EThOS: preservation v. access

- EThOS as a service continues as now
- Thesis preservation service to be offered by BL
- HEIs choose:
 - Downloadable theses available in EThOS
 - Preservation copies held in DAMPS
 - Either, both or neither
- Pending DAMPS launch, the BL repository is used as the ingest channel for all content:
 - Accessible theses surfaced in EThOS
 - Preservation-only copies permanently embargoed until transfer to DAMPS

Opportunities – for EThOS & beyond

- Identifiers – for all UK theses or some
- Improved handling of non-PDFs
- Improved linking to supplementary files, data, other works
- Greater re-use of the content, e.g. TDM
- Digitisation service moves to a strategic BL digi service
- Modern look & feel
- Extend to new content?

What have we done so far?

- Understand BL's own researcher needs – what outputs are produced, what are the (OA) drivers to use a repository?
- Defining EThOS requirements for a new system
- BL Data Strategy
- Alternative route for digitisation – still v important and a USP for EThOS
- Talking to suppliers to understand what's out there
- Talking to interested organisations to work up an offer for shared repository for others' content

What's next?

- Continue talking to suppliers & experts (please feed in)
- DAMPS tender (preservation)
- Thesis preservation – more than just a system = business model
- Build skills, knowledge & expertise
- Aim to tender for access repository infrastructure this year

Thank you
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