

Juggling copyright and open access in the 21st century: A South African case study

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Roadmap

- The Council for Scientific and Industrial Research (CSIR)
- Copyright Act of South Africa
- Open access & OA initiatives
- CSIR, Open access & Copyright
- Managing Copyright – CSIR way
- Acknowledgements



Council for Scientific & Industrial Research (CSIR)

- Leading scientific research organisation in Africa
- Established by an Act of Parliament in 1945
- Multidisciplinary research ranging from drug discovery, utilisation of natural resources, Mechatronics and Micro-manufacturing, provision of ICT, provision of infrastructure, such as roads and ports and providing national defence
- Approximately 700 research staff



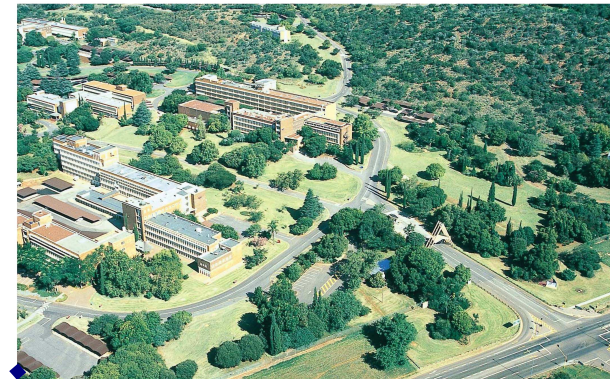
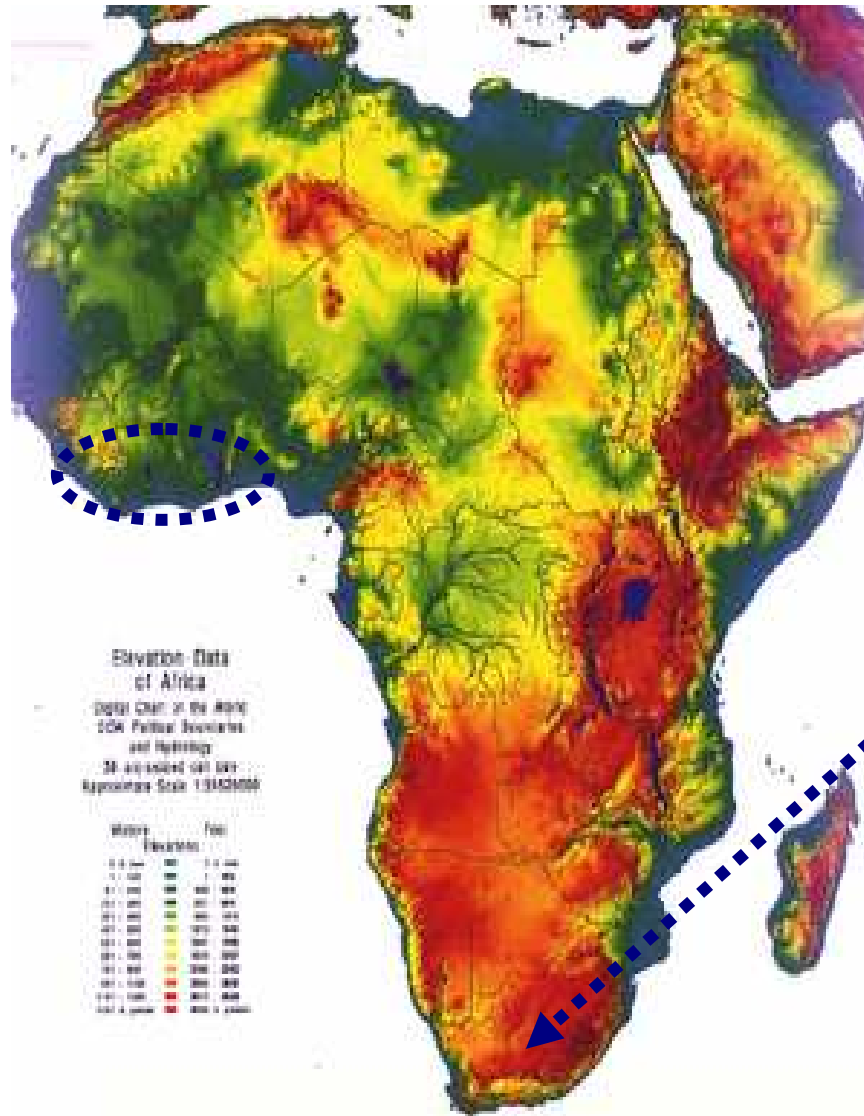
The CSIR Mandate

“The objectives of the CSIR are, through directed and particularly multidisciplinary research and technological innovation, to foster, in the national interest and in fields which in its opinion should receive preference, industrial and scientific development, either by itself or in co-operation with principals from the private or public sectors, and thereby to contribute to the improvement of the quality of life of the people of the Republic, and to perform any other functions that may be assigned to the CSIR by or under this Act.”

(Scientific Research Council Act 46 of 1988,
amended by Act 71 of 1990)



CSIR, South Africa



Pretoria Campus



CSIR Information Services

- Twenty-seven staff members plus interns
- Mostly centralised library service with information specialists placed in Operating Units
- Small information centres at remote sites
- Collection Budget: Operating Units pay for all books, journals and other published material
- Procurement



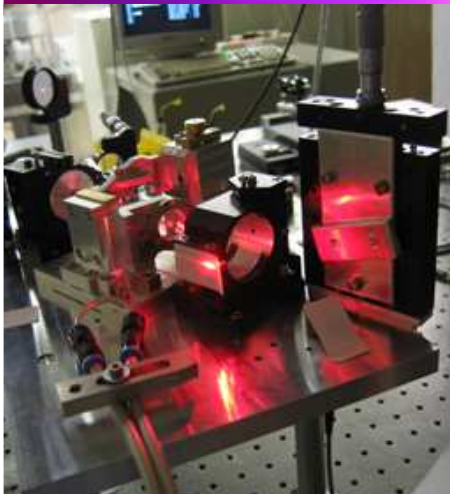
Copyright Act of South Africa

- South African copyright law is guided by the Copyright Act, of 1978
- Copyright Amendment Act 9 of 2002
- Copyright as an aspect of Intellectual Property
- The Act protects
 - Literary work
 - Computer programmes
 - Radio, Television broadcasts
 - Published editions
 - Etc
- Copyright is a right that does not need to be registered as it automatically vests with the authors



Open Access

- Free availability of literature on the public internet
- Copyright plays a role
- Providing check and balance
- Allowing and increasing information flow



Open Access initiatives (International)

- DOAJ – Directory of Open Access Journals
- DOAR – Directory of Open Access Repositories
- DRIVER - Digital Repository Infrastructure Vision for European Research
- WorldWide Science.org
- iCommons



Open Access initiatives (Southern Africa)

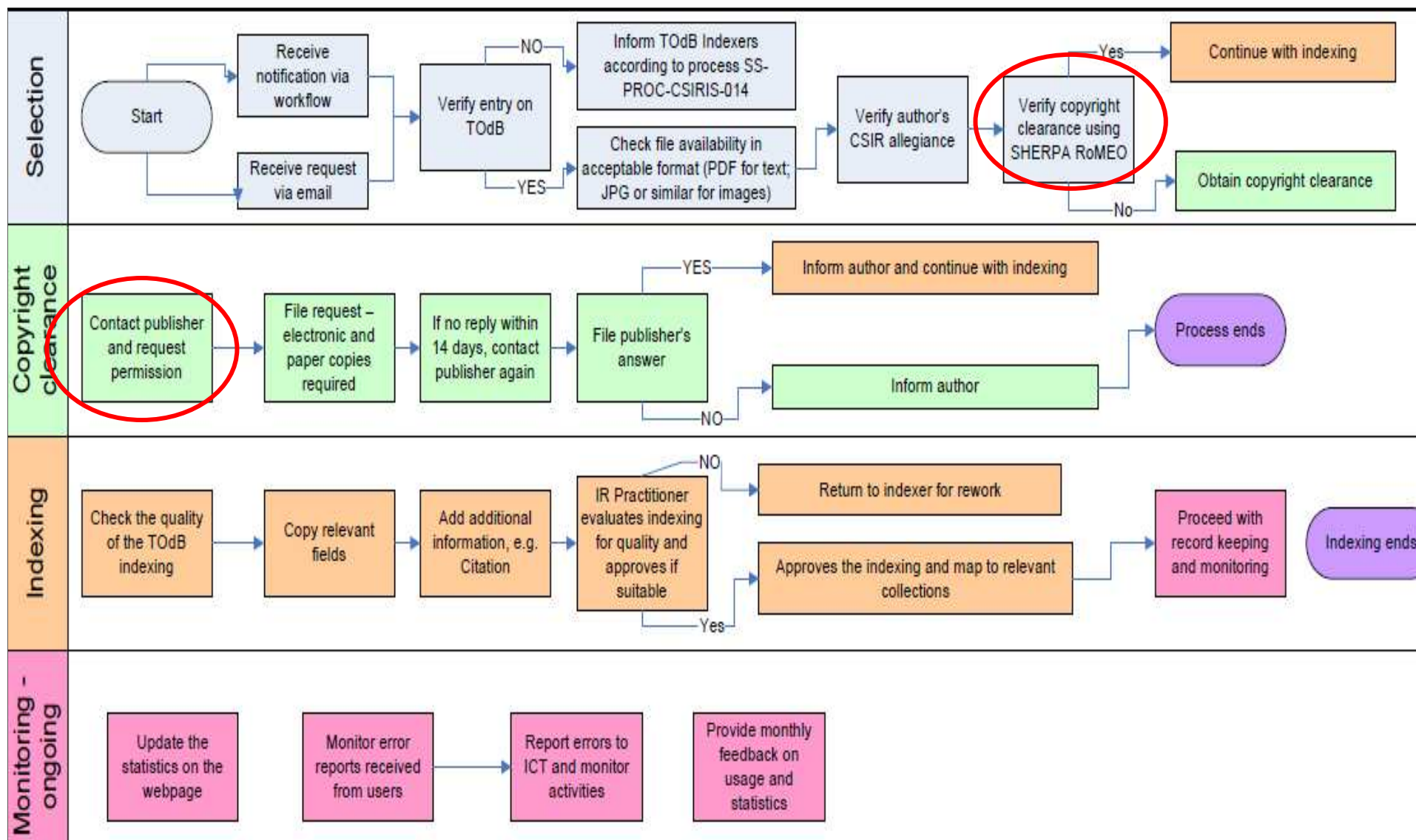
- Sivulile
- Digital Imaging South Africa (DISA)
- Open Access at the Human Science Research Council (HSRC)
- National Research Foundation (NRF) Electronic Thesis & Dissertations initiative





CSIR, Open Access & Copyright management

- CSIR's mandate promotes access to information
- CSIR Institutional Repository
 - "Green route" publications
 - Datasets
 - Digitised older material (Prior 1990)
 - Open source codes
- Workflow system
























CSIR document management Workflow system



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Authors: Vogel, JC
Fuls, A
Visser, E

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Abstract: The artificial radiocarbon produced by the thermonuclear bomb tests in the 1950s and 1960s significantly increased the level of C-14 in the environment. A detailed record of the subsequent changes in the C-14 concentration of the atmosphere can be used to date plant and animal material accurately over the past half century. Examples of this application are given.

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