

William G.Clarence-Smith (SOAS) - African records

<b>Format (N.B. documents, met. tables, paintings etc)</b>	<b>Quantity</b>	<b>Content</b>	<b>Creators</b>	<b>Location</b>
Documents				National Archives of Zambia, Lusaka
Mission Periodicals				Livingstone Museum, Livingstone, Zambia

Rob Allan (Met Office, Hadley Centre, Director of ACRE historical climate reconstruction initiative) - Indian Ocean, Ship's logbooks

<b>Format (N.B. documents, met. tables, paintings etc)</b>	<b>Quantity</b>	<b>Content</b>	<b>Creators</b>	<b>Location</b>
Meteorological Observations from ship logs	900	The English East India Company (EEIC) (1780s-1830s) - 900 logbooks of ships travelling between the UK, India and China held in the British Library have instrumental weather data (imaging by the British Library, digitised by the Climate Data Modernization Program [CDMP] in the US) <b>Complete.</b>	Met Office/ACRE	UK British Library
Meteorological Observations from ship logs	Some portion of 7,000 total	Indian Ocean data in global observations for an extended period during and following World War 1 (1914-1923) - approx 7,000 Royal	Met Office/Old Weather/ACRE	UK National Archives

		Navy logbooks held in the UK National Archives (imaging by the UK National Archives) Digitised by OldWeather.org <b>Complete.</b>		
Meteorological Observations from terrestrial stations and ship logs	1893-99 (7 volumes)	Digitisation of weather observations (daily surface air and sea temperature, pressure, winds) from terrestrial stations and ship log book observations across the whole Indian Ocean region and some surrounding countries for the period 1893-1899 from the old Indian Meteorological Department (IMD) publication ' <i>Daily Weather Charts of the Indian Monsoon Area</i> ' <b>Complete.</b>	ACRE	UK National Meteorological Archive, Met Office
Meteorological Observations from ship logs	27 Digitised 16 Scanned and to be digitised	Indian Ocean segments within the digitisation of published weather observations from the ship logbooks of various explorations, expeditions and circumnavigations during the late 18th and 19th centuries. <b>Ongoing.</b>	ACRE	Online scans (e.g. Google, NOAA Central Library) and hard copy documents
Meteorological Observations from ship logs	Numerous	Digitisation of synoptic weather from ship log book observations detailed in various old published	ACRE	Online scans (e.g. Google, NOAA Central Library) and hard copy documents

		<p>reports pertaining to specific tropical storms (tropical cyclones, hurricanes, typhoons etc) affecting the Indian Ocean (e.g. <i>Transactions of the Meteorological Society of Mauritius, Transactions of the Bombay Geographical Society, Journal of the Asiatic Society of Bengal</i>), the South China Sea (<i>Hong Kong and Shanghai Observatory reports</i>), and the Philippines region (<i>Philippine Observatory/Philippine Weather Bureau Annual Reports and Monthly Bulletins</i>) during the 19th and early 20th centuries</p> <p><b>Ongoing.</b></p>		<p>scanned from UK National Meteorological Archive, Met Office</p>
<p>Historical terrestrial weather observations</p>	<p>1878-1992 (300-400 volumes)</p>	<p>With monies from a DECC underspend, plus working closely with the Met Office Archives, the NOAA Central Library and the US Archives, we are scanning (and will eventually digitise) all the data published in the <i>Indian Daily Weather Reports</i> from 1878-1992</p> <p><b>Ongoing</b></p>	<p>Met Office/ACRE</p>	<p>UK National Meteorological Archive, Met Office and US National Archives</p>

Simon Pooley (Imperial College London) - Sources for the historical climatology of the Cape of Good Hope ( . . . and some for shipping in the Indian Ocean between Cape Town and Batavia)

Format (N.B. documents, met. tables, paintings etc)	Quantity	Content	Creators	Location
Journals, reports, letters, resolutions of council, etc.	Substantial (406-page pdf listing of all documents)	VOC records for the period leading up to, and to the end of, Dutch East India Co. (VOC) occupation of the Cape of Good Hope, c.1647-1795). Probably very little quantitative data, but the daily journals for the settlement at the Cape of Good Hope include information on winds, rainfall, snow, temperature. The first decade (1652-62) is available in published form, a three volume translation of the journals during the period of Jan van Riebeeck's command. These journals and other sources include accounts of storms and their effects on shipping between the Dutch Republic, Cape Town and Batavia.	Various	Western Cape Archives and Records Service, 72, Roeland Street, Cape Town, South Africa. Tel. +27 (0)21 466 8100, email: <a href="mailto:Archives@pgwc.gov.za">Archives@pgwc.gov.za</a> Further details and online searches and inventories available via Tanap: <a href="http://tanap.net/content/archives/archives.cfm?ArticleID=203">http://tanap.net/content/archives/archives.cfm?ArticleID=203</a>

Prof Mushirul Hasan (National Archives of India) - Data of records on Environment in the National Archives of India

<b>Format (N.B. documents, met. tables, paintings etc)</b>	<b>Quantity</b>	<b>Content</b>	<b>Creators</b>	<b>Location</b>
Public records mainly correspondence between British Indian officials and with Home Office in London	1026	These are documents that are searchable under the keyword 'weather'. They reflect movement of ships based on 'weather' of the country, impact of weather on the trade, transfer of officials facing ill health to different places for recuperation in good weather, transport of troops and animals in inclement weather	1. Home Department - Public Branch & 2. Military Department ( 1765-1859)	National Archives of India
Documents mainly official communications	20	Keywords : weather & crops Relates to impact of weather conditions on various cash crops like cotton, jute, silk	1. Revenue & Agriculture Department - Fibres & Silks Branch , Meteorology Branch (176-1858) 2. Rajputana Agency Records	-do-
Docs	26	Keywords : weather & reports Daily, weekly and monthly weather reports, impact of weather on certain types of crops ; about weather conditions in the frontier; reports from various native states being provided by the office of the Agent	1. Revenue & Agriculture - Meteorology, 2. Foreign-Internal 3. Foreign - frontier 4. Legislative	

		of the Resident	Deptt 5. Baghelkha nd Agency ( English files) Punjab, Sikkim, Rajputana agency	
Docs		Keywords : weather and irrigation Weather reports, construction of fair weather road, detention of soldier in hot weather, movement of troops during unfair weather/ hot weather, etc. Allowance for workforce in railways, construction of fair weather railway lines	1. PWD - Irrigation 2. Revenue & Agriculture - Meteorology 3. Home - Public 4. Railways	
Docs	151	Keywords : climate and health Impact of trees on climate, environment and productiveness of a province, climatic study of hill stations to establish sanatoriums for convalescence (Chamba, Murree, Darjeeling, Report on climate of Cachar, Sylhet, Chirrapunji, Sikkim, Tibet, Nepal, Bad Climate Allowance, continuation of Bad Climate Allowance in Post-Independence India	1784-1970 1. Home-Public 2. Military Department 3. Railways 4. Residency Records 5. Post & Telegraph	
Docs	999	Keywords: Botanical Gardens Identifying land for botanical gardens, compensating occupiers	( 1787-1950) 1. Home - Public 2. Revenue	

		of the land, selection of plants, acquisition of plants from foreign countries and also bringing in local people from those countries to take care of these plants, replacement of convicts with coolies to work in these botanical gardens, Botanists like Kyd, Roxburgh	& Agriculture - Agriculture 3. Education, Health & Lands- Agriculture 4. Secretary to the Governor General	
Report on the Department including explorations, discoveries	3	Report of the Botanical Survey of India (publications, Calcutta)	(1948-1950)	
Systematic enumeration of species of plants		Record of Botanical Survey of India (Publications, Calcutta)	(1906-51)	

Linden Ashcroft (University of Melbourne) - Ships logbooks from S.E Australia and Indian Ocean

<b>Format (N.B. documents, met. tables, paintings etc)</b>	<b>Quantity</b>	<b>Content</b>	<b>Creators</b>	<b>Location</b>
Ship logbooks	~34	Logbooks of ships in Australian waters from 1790 until 1900. Some books contain weather descriptions, others contain meteorological data. The ships were chosen because they sailed through southeastern Australian waters, but many of them also sailed across the Indian Ocean on their way to or from the southeast.	Various	Original documents are in the UK. Microfilm copies are available at several Australian libraries thanks to the Australian Joint Copying

				Project. The National Library of Australia scanned the logbooks of 34 ships as a part of the South Eastern Australian Recent Climate History Project (SEARCH). Digital copies of the scans are at the University of Melbourne.
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Adrian Thomas (Kings College London) - Historical Climate Statistics in India

<b>Format (N.B. documents, met. tables, paintings etc)</b>	<b>Quantity</b>	<b>Content</b>	<b>Creators</b>	<b>Location</b>
Meteorological Tables for Feb 1831		In Gleanings in Science (periodical) Vol. 3 p. 63-64 (and later in the volume for subsequent months)		Seen at the Library of the Asiatic Society, Kolkata
Meteorological Register from Lohoghaut		In Gleanings in Science (periodical) Vol. 3 p. 227 ff.		Seen at the Library of the Asiatic Society, Kolkata
Five year temperature		From article entitled "The Climate of the		Seen at the Library of the

table		Valley of the Nerbudda" in Gleanings in Science (periodical) Vol. 3, Sept 1831 p. 287		Asiatic Society, Kolkata
Register of Rain fallen at Sagar, Central India		In Gleanings in Science (periodical) Vol. 3, Dec 1831 p. 407		Seen at the Library of the Asiatic Society, Kolkata
Meteorological Diary		In Gleanings in Science (periodical) Vol. 3, p. 417	Major Burney, Resident, Ava (Burma)	Seen at the Library of the Asiatic Society, Kolkata
Meteorological Register		In Calcutta Journal of Natural History Vol 2 (1842) pps. 308 & 462		Seen at the Library of the Asiatic Society, Periodicals Section, Metcalfe Hall, Kolkata
Meteorological Register		In Calcutta Journal of Natural History Vol 3 (1842) p. 460		Seen at the Library of the Asiatic Society, Periodicals Section, Metcalfe Hall, Kolkata
Meteorological Statistics		In Calcutta Journal of Natural History Vol 4 (1844) p. 155		Seen at the Library of the Asiatic Society, Periodicals Section, Metcalfe Hall, Kolkata
Article on Meteorological Observations from Doab		In Calcutta Journal of Natural History Vol 4 (1844) p. 413		Seen at the Library of the Asiatic Society, Periodicals Section, Metcalfe Hall, Kolkata
Meteorological Observations from Assam		In Calcutta Journal of Natural History Vol 4 (1844) p. 438		Seen at the Library of the Asiatic Society, Periodicals Section, Metcalfe Hall, Kolkata
Met Tables 1853-55		In Report on the Present Condition & Future Prospects of	Jameson, Supt of Saharanpur	Seen in Library of Botanical Survey of India at the AJC

		Tea Cultivation in the NW Provinces and Punjab (Selections from the Records of the Govt of India (Home Dept)) XXIII, Calcutta, 1857	Botanic Garden?	Bose Indian Botanic Garden, Kolkata
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Anna Winterbottom (University of Sussex and McGill University, Montreal) - Sources for the environmental history of Sri Lanka

Format (N.B. documents, met. tables, paintings etc)	Quantity	Content	Creators	Location
Herbarium of Paul Hermann	1000 specimens in 4 volumes	Plant specimens collected between 1672 and 1679. Digitised ( <a href="http://www.nhm.ac.uk/research-curation/research/projects/hermann-herbarium/">http://www.nhm.ac.uk/research-curation/research/projects/hermann-herbarium/</a> ). Scattered specimens from Sri Lanka in other collections (see Dandy, J E, and James Britten. <i>The Sloane Herbarium</i> , London: British Museum, 1958.)	Paul Hermann	Natural History Museum, London
Herbaria collected by Directors of the Royal Botanic	Extensive	Plant specimens collected by A. Moon and subsequent Directors, from 1824 onwards. Digitisation initiated.	Various	National Herbarium ( <a href="http://www.botanicgardens.gov.lk/herbarium">http://www.botanicgardens.gov.lk/herbarium</a> )

al Garden , Sri Lanka				
Herbaria in India	Extensive	Colonial collections of plants from 1795 onwards, including some specimens from Sri Lanka	Various	Central National Herbarium, Howrah ( <a href="http://164.100.52.111/cnh/index.htm">http://164.100.52.111/cnh/index.htm</a> )
Printed Flora of Sri Lanka	Extensive	For discussion, see Pethiyagoda, Rohan. <i>Pearls, Spices, and Green Gold: An Illustrated History of Biodiversity Exploration in Sri Lanka</i> . Colombo: WHT Publications, 2007.  Paul Hermann, <i>Museum Zeylonica</i> , Grimm and Pielat, <i>Insulae Ceylonae Thesaurus medicus</i> ; articles by Laurent Garcin ( <i>Journal helvétique</i> , 1735-48), Linnaeus, <i>Flora Zeylonica</i> ; Burman, de Jonville (see Pethiyagoda pp. 59-60 and 165 and Philippe Fabry, and Marie-Hélène Estève. <i>Quelques Notions Sur L'isle De Ceylan: À La Fin Du Xviii Siècle, Un Naturaliste Français Découvre Ceylan = Some Notions About the Island of Ceylon : Late 18th Century, a French Naturalist Discovers Ceylon</i> . Colombo] Sri Lanka:	Authors listed	Research libraries, some databases. The Hathi trust has several of these works - <a href="http://www.hathitrust.org/">http://www.hathitrust.org/</a>

		<p>Viator, 2012), Thunburg <i>Florula Ceylanica</i>, 1825, see also Pethiyagoda pp. 54-7), Banks (Pethiyagoda, pp. 60-61), Moon (1817-9 Pethiyagoda pp. 62-3), J.D. Hooker (note the unpublished description of SL among his correspondence), G.H.K. Colombo Journal 30, Jan 1833, Thwaites 1857; Wight (visited 1839, <i>Icones</i> (1840-53), see Pethiyagoda p. 68), Gardner and Ferguson (Pethiyagoda p. 70, <i>Algae ceylanicae</i> and <i>Descriptive list of Celon timber trees</i>, 1863), Champion (Pethiyagoda p. 71), Thwaites, <i>Enumeratio: Plantarum Zeylanicae, Catalogue of the Ferns</i> (Pethiyagoda pp. 72-4), Lewis (rubber, <i>sixty four years in Ceylon</i>, 1926) Trimen, <i>Hortus Zelonicus, a classified list of the plants... growing in the Royal Botanical Gardens</i>, 1888 and <i>Handbook to the Flora of Zeylon</i>, 1898-1900 (Pethiyagoda, p. 77)</p>		
Publish ed descrip	Extensiv e	Pethiyagoda p. 103 for discussion of the lack of research on		

tions of fauna		this topic and biographical details of several zoologists, pp. 109-224		
Paintings of plant and animal species	2000 + specimens	Harman de Alwis' drawings – 2000 species drawn, 45 watercolours in the NHM, followed by his sons William and George illustrate Beddome's <i>Flora sylvatica</i> and <i>Icones plantarum Indiae orientalis</i> , (1869-74) and grandson Albert. (Pethiyagoda, pp. 63-73, Sivasundaram chapter). Thomas Bainbridge Fletcher's drawings of insects in Entomological library, NHM. Other visual sources include plants in temple and rock paintings.	Harman de Alwis, Thomas Bainbridge and others	Natural History Museum library, London. Various locations In Sri Lanka.
Sri Lankan palm leaf manuscripts	Extensive	Environmental information from palm leaf manuscripts: including chronicles and histories, medical and astrological works containing information about weather conditions and seasons for planting crops and well as works specifically listing plant species ( <i>Śrī Vāsudevanighaṇṭu</i> and other works discussed by Liyanaratne, <i>Buddhism and</i>	Various authors	Various locations. Especially: National Museum Library, Sri Lanka; Royal Asiatic Society of Sri Lanka; Peradeniya University Library; Bandaranaike Ayurvedic Research Institute; Institute of Indigenous Medicine, University of Colombo; British Library; Wellcome Trust; Bodleian Library.

		<i>Traditional Medicine</i> , ch. 12).		
MET office weather data		Pressure data, temperate, rainfall. Temperature and rainfall records are digitally available upon payment. Pressure data still needs digitalising.	MET office, Sri Lanka and sources	MET office, Sri Lanka
Climate data in textual sources on India		Materials relating to India containing information about Sri Lanka, e.g. Henry F. Blanford <i>Indian Meteorological Memoirs</i> , 7 vols., Calcutta, 1882 – including vol. 2, ‘An account of the W. Monsoon Storm of the 18 <sup>th</sup> -24 <sup>th</sup> September 1878 in the N. of the Bay of Bengal’ – makes use of data from Sri Lanka including barometer readings, wind and some rainfall data for Tricomalee, Negapatnam, Colombo and Galle. Similar data is in John Elliot, <i>Cyclonic storms in the Bay of Bengal, Calcutta</i> , 1890.	Henry Blanford, John Elliot	Libraries in India, UK

Penny Brook, British Library, London - British Library records

<b>Format (N.B. documents, met. tables, paintings etc)</b>	<b>Quantity</b>	<b>Content</b>	<b>Creators</b>	<b>Location</b>
Official archives - include mainly	Total collection occupies 9 miles of	<b>India Office Records</b> Principal	East India Company, Board of	The British Library, London

<p>text, some tables, and a modest quantity of illustrative material</p>	<p>shelving. Material relating to science and the environment is a sub-set of this. It has not been quantified.</p>	<p>sources are listed in Richard Axelby and Savithri Preetha Nair <i>Science and the changing environment in India, 1780-1920: a guide to sources in the India Office Records</i> (The British Library, 2010)</p> <p>Chapters: Plants and botanic gardens, agriculture, forests and forestry, animals and animal husbandry, geology, meteorology, health and disease, irrigation and water control, communication and the built environment, ethnography, landscape and topography</p>	<p>Control, India Office, Government of India (Proceedings), Burma Office</p>	
<p>Private archives - include mainly text, some tables, and a modest quantity of illustrative material</p>	<p>Over 5,000 collections ranging in size from one document to many boxes. Material relating to science and</p>	<p><b>India Office Private Papers/Mss Eur</b> Not yet surveyed to discover the content relating to</p>	<p>Private individuals</p>	<p>The British Library, London</p>

	<p>the environment is a sub-set of this. It has not been quantified.</p>	<p>science and the environment, but some well-known collections relating to early surveys, e.g. Buchanan-Hamilton. The index to the printed catalogue includes entries for agriculture, botany, climate, animals and livestock, forests and forestry, geography and geology, health and disease, irrigation, rivers, soil conservation, floods, public works, civil engineering, military engineering, railroads, roads, city planning, ethnography.</p>		
<p>Lithograph and printed material in English and South Asian languages</p>	<p>Over 700,000 printed books / 60,000 serials and newspapers in South Asian regional languages (classical &amp; modern) and Western</p>	<p>Collection spans earliest lithographs and printed material (particularly strong from 18th-20th century) to research-level publications of</p>		<p>The British Library, London</p>

	<p>languages (mainly English). Potentially rich source for research relating to science and environment, as yet unquantified.</p>	<p>the current-day. These offer a relatively untapped source for researchers of science and environment, with areas of potential interest including early studies of weather patterns, recorded data in newspapers, observations in biographies and diaries, climate-related folk-tales and idioms, and reflections of weather in poetry and fictional literature. Recent publications in South Asian languages - and most English-language publications - can be found on BL's Explore catalogue, under Library of Congress subject headings, e.g. 'meteorology', 'environment', or via key</p>		
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		<p>words. 18th-20th century South Asian language collections are mainly searchable via printed and card slip catalogues (see specific language webpages on BL website for details, plus digital availability). Printed catalogues contain basic subject indices, e.g. 'Agriculture and botany', 'Sciences', 'Fiction'.</p>		
<p>Manuscripts in South Asian languages</p>	<p>Over 50,000 manuscripts in South Asian regional languages (classical &amp; modern). Number relating to science and environment as yet unquantified.</p>	<p>See above (lithograph and printed) for the type of content of interest to researchers of science and environment. Specific examples include a copy of the Sanskrit <i>Meghamala</i> on meteorological observations and astrological predictions (IO Sanskrit 1681a), an Urdu treatise</p>		<p>The British Library, London</p>

		<p>on climate and agriculture (Or 2031), and a verse in Dakhani on floods in Mewar, Ajmer and Gujarat in 1795 (Mss Urdu 161). See specific language pages on BL website for details relating to manuscript catalogues / digital availability (currently mainly searchable only in person / via curators, although efforts are being made to address this.) Catalogues include basic subject indices.</p>		
<p>Visual materials: prints, drawings photographs</p>	<p>Paintings and drawings by British artists in India and the East and by Indian artists made for the East India Company, plus Persian and Indian miniatures (overall about 30,000 items). The large number of</p>	<p>For guide to natural history drawings, see Mildred Archer, <i>Natural History Drawings in the India Office Library</i> (London, 1962).</p>		<p>The British Library, London</p>

	<p>original photographs (over 250,000) is notable for examples of the work of nineteenth-century photographers.</p> <p>Material relating to the history of the environment and climate is not quantified.</p>			
<p>Maps: manuscript and printed maps, atlases, journals and reports</p>	<p>India Office Maps: over 70,000 items produced between c.1700 and 1947. Scientific and environmental data not quantified.</p> <p>General map collections: specific datasets are listed in printed map catalogue of 1967</p>		<p>East India Company, Government of India; various</p>	<p>The British Library, London</p>

Priya Rangan (Monash University) - Sources for Pre-European Colonial plant transfers around the Indian Ocean

<b>Format (N.B. documents, met. tables,</b>	<b>Quantity</b>	<b>Content</b>	<b>Creators</b>	<b>Location</b>
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<b>paintings etc)</b>				
Compendia of plants	Varied	Plant dictionaries, encyclopaedia, plant taxonomies, descriptions of putative origins of plant, uses, cultural practices etc. Some compilations of plant inventories centre on economic importance (agriculture, commercial forestry, medicinal and poisonous plants, crop protection/weeds etc.	George Watt (India) H.M. Burkill (West Africa) J. Harlan (Africa), Watt and Breyer-Brandwyk (Eastern and Southern Africa) National Research Council (Washington DC, USA), I.H. Burkill (Southeast Asia), C.O. Sauer (Americas).	Various places: libraries, online databases
Codices of early European colonial accounts of the New World	Varied	The Florentine Codex, which was prepared by Frey Bernardino de Sahagún (a Franciscan friar) In the first half of the 1500s, with descriptions, sketches, paintings and illustrations of plants from Central America; provides earliest ethnographies and comprehensive descriptions of numerous food and other useful plants; 12 Volumes in 13 books	Bernardino de Sahagún (original, in Spanish and Nahuatl (Aztec); C.E. Dibble and AJO Anderson translation from Nahuatl to English.	Hard copy in libraries in USA, Spain in rare book collections; the World Digital Library offers high resolution scans of all volumes at <a href="#">The Florentine Codex</a> . Also available in 16 DVDs; Tempe Arizona, Bilingual Press.

Early colonial accounts of India	Varied	Os Colóquios dos simples e drogas e coisas medicinais da Índia	Garcia da Orta, original in Portuguese; Spanish version by Cristobál Acosta; English translation of Garcia da Orta by Clements Markham.	<i>Coloquios dos Simples e Drogas da India. Band 1</i> . Imprensa nacional, Lisboa 1891 <a href="#">Digital edition</a>
Geniza documents, 10th to 13th centuries	Varied	Six volumes on early Mediterranean and Indian ocean mercantile activity by Jewish merchants;	Most comprehensive version compiled and translated by SD Goitein, with a special volume devoted to the India trade. Popular version by Amitav Ghosh, 'In an Antique Land'.	Original papers in various collections in Cambridge, Oxford, Manchester, Princeton, Pennsylvania etc.
Early Muslim navigator and travellers accounts, 10th to 15th centuries	Varied	Ibn Batuta's travels across Africa, India, southeast Asia, and China  Early Arab navigation across the Indian Ocean  Archaeology of seafaring in Indian Ocean	Translations in English by HAR Gibbs, 4 volumes.  Translation by G. Tibbetts of Ahmad Ibn Majid's navigation maps and records.  Periplus of the Erythraean Sea; Archaeological studies by HP Ray	Various Libraries

Palaeo- and Archaeobotany, genetics, biogeography	Varied	Palynological, archaeological studies of pollen, archaeobotanical remains, climate, agriculture, genetic analysis, biogeographic distributions, landscape modifications around Indian Ocean region	Research papers published in relevant journals	libraries, open access
Historical and cultural Linguistics; folktales	Varied	Linguistic analysis of plant names, wordforms, loanwords, synonyms, and cultural references in languages of Indian Ocean region Folktales that may refer to plants exchanged around the Indian Ocean	Research papers published in relevant journals  Folktale compilations, anthologies; story recordings, ethnographies	Libraries, open access
Architectural and art history	Varied	Plant illustrations, motifs in sculpture, carvings, textiles, etc. of plants, trees c	Research papers published In relevant journals.	Libraries, open access.

George Adamson (Kings College London) - Sources for the historical climatology of western India

<b>Format (N.B. documents, met. tables, paintings etc)</b>	<b>Quantity</b>	<b>Content</b>	<b>Creators</b>	<b>Location</b>
Personal diaries and correspondence	Extensive	A variety of qualitative climate information for colonial India with occasional instrumental data and weather diaries.	Various	British Library
Personal diaries and correspondence	6	A variety of qualitative climate information for colonial India with occasional instrumental data and weather	Hugh Halkett, Charles Malcolm, William	National Library of Scotland

		diaries.	Erksine, Isabella Bremner, Alexander Walker	
English-language newspapers	Extensive	Regular references to extreme climatic conditions (i.e. droughts, storms, floods), reports of the onset of the monsoon, regular references to 'ordinary' conditions where other news is thin, monthly instrumental meteorological tables, fortnightly reports of rainfall and affects on crops during the monsoon season (from ~1830)	Various publications: western India publications include <i>Bombay Courier</i> , <i>Bombay Gazette</i> , <i>Bombay Times</i> , <i>Bombay Standard</i> .	British Library Newspaper Collections, Colindale
Document (diary)	4	Generally reports on the status of patients in McGrigor's hospital in Bombay. Also summaries of the weather. 1799-1803	James McGrigor	Online through Aberdeen Medico-Chirurgical Society archives
Meteorological Tables	1	Diary of rainfall at Bombay from 1780-1787, weather diary at Bombay for 1788 containing temperature observations	Unknown, submitted to the Royal Society	Royal Society Centre for History of Science
Government reports	Extensive	Report of major climatic events in western India; detailed fortnightly descriptions of meteorological conditions around the Bombay Presidency from 1832	Government of Bombay (various)	Government of Maharashtra, Department of Archives, Bombay
Government reports	Extensive	Summaries of reports of major events sent to the Court of Directors of the East India	Government of Bombay (various)	British Library India Office Records

		Company		
Meteorological Tables	1	Qualitative "Journal of the weather" for Thane from June-October 1789	Alexander Walker	National Library of Scotland

Kate Showers (University of Sussex) - Sources for the historical climatology of Southern Africa, primarily South Africa

<b>Format (N.B. documents, met. tables, paintings etc)</b>	<b>Quantity</b>	<b>Content</b>	<b>Creators</b>	<b>Location</b>
Documents	Several	Descriptions of Natal Botanic Gardens - imports & exchanges (including from Australia and India), plant growing conditions	Botanists; Natal Herbarium, Durban Botanic Society	Killie Campbell Africana Library, University of Kwa-Zulu Natal, Durban, South Africa
Documents	Several	Tree growth and imports	Superintendent of Woods and Forests	Pietermaritzburg Archives and Repository, Pietermaritzburg, Natal, South Africa
Documents	Several	Reports of botanic gardens; forests and forest potential, irrigation matters, etc Cape Colony, South Africa	Colonial Botanists	National Library of South Africa, John Croumbie Brown Collection, Cape Town
Documents	Several	Reports on forestry, irrigation, plant imports (Including correspondence with India and Australia), etc,	Various colonial officers	Western Cape Archives and Records Service, Cape Town, South Africa

		Cape Colony, South Africa		
Documents, photographs, diaries	several, including photographs on glass	Primarily mission-based, but reports on landscape as travel through southern Africa - more interior than Natal coast	Various missionaries	Morija Museum and Archives, Morija, Lesotho

Fiona Williamson, UEA, UKM (Malaysia) - Sources for the historical climatology south East Asia

<b>Format (N.B. documents, met. tables, paintings etc)</b>	<b>Quantity</b>	<b>Content</b>	<b>Creators</b>	<b>Location</b>
Thermograph logbooks (images)		hourly temperature data from 1929	Meteorological Service Singapore	National archive of Singapore
Records of botanical research, progress reports, forest administration		Documents pertaining to Malayan forest history from 1880-1920, also documents for other British colonies.		Forest research Institute Malaysia
Criminal proceedings;		Records of 'illegal' harvesting of forest products		National Archives of Malaysia
Botanical and agricultural research		Transfer of seeds and information across colonies, experiments in growing tobacco, gutta percha, coconut etc. clearing of land and environmental impact of such.		National Archives of Malaysia
Administrative records		relating to forests and botanic gardens, annual reports etc. Management of 'native' and migrant labour: schemes to employ convicts in botanic gardens; working		National Archives of Malaysia

		conditions for coolies etc.		
Records of weather		accounts of bad weather/flooding and its impact on local agriculture and villages e.g. severe floods (and droughts) devastated rural areas in 1891,6,7,8, 1901, 1926.		National Archives of Malaysia
personal papers, 49 volumes, 3 photographic albums, 52 folders		Personal papers of Henry Ridley Director of Gardens and Forests for the Straits Settlements from 1888; information on key developments in forestry in Malaysia, founding of botanic gardens in Penang, Kuala Lumpur and Singapore		Kew, London.

