



UNIVERSITY
OF ABERDEEN

Find it Fast! Part 3 Using Primo for Assignments and Dissertations

Janet MacKay,
Susan McCourt and Elaine Shallcross
2012/13



Library
Special Collections
and Museums

www.abdn.ac.uk/library

Aims and Objectives



- General introduction
 - Search rules
 - Finding books on a reading list
 - Finding books on a subject
 - book reviews
 - Finding a journal article
 - Finding e-books
 - Requesting items
 - Using your Library Account in Primo
- To find good quality information for your assignments and dissertations



Primo

- Primo guide QG PRI001 available at www.abdn.ac.uk/library/documents/guides/pri/qgpri001.pdf
- Web-based
- Tells you everything we have
- Simple records
 - Titles of books
 - Titles of journals
 - Where they are held
 - Status of loan





What is Primo?

Primo enables you to search across all our resources at once. You can find books, electronic resources from our databases, museum objects and material from our special collections and archives.



Library, Special Collections and Museums Sites

- University Library
- Taylor Law Library
- Medical Library
- Reid Library
- Special Collections
- King's Museum

Museum Collections

- Anatomy Museum
- Pathology and Forensic Medicine
- Marischal Museum
- Geology Museum
- Natural Philosophy
- Herbarium
- Zoology Museum

Login for extra services – use your university computer username and password

- > Information for students
- > Information for staff
- > Information for visitors

Go to <http://primo.abdn.ac.uk:1701>

or link from

For Students / Library Services / Library Website / Search Our Collections / Search using Primo

Search Rules

Improve searches in Primo

- * = truncation symbol at end of a keyword
e.g. *arrang** = *arrangement; arranging; arranged*
- **“phrase search”** = words must occur together in a specific order
e.g. *“climate change”; “heart attack”*

Finding a book on a Reading List

I want to find an item on my
course reading list...
or
I want to look for a
reference I've read in
another book – it might be
useful for my
assignment/dissertation...



Example

We are looking for this book in Primo...

Zemplini, Janos. (2007).
Handbook of Vitamins.
Boca Raton, FL: Taylor
& Francis Group

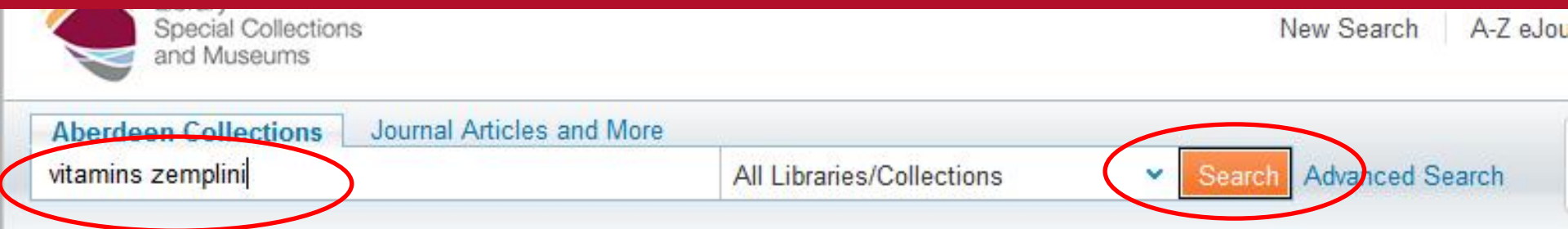
TIP: use the simple Search option



Simple Search (default)

Use for known titles, e.g. books from a reading list

Type in keyword(s) from title
and author's family name



Special Collections and Museums

New Search | A-Z eJou

Aberdeen Collections | Journal Articles and More

vitamins zemplini | All Libraries/Collections

Search | Advanced Search

What is Primo?

Primo enables you to search across all our resources at once. You can find books, electronic resources from our databases, museum objects and material from our special collections and archives.



Library, Special Collections and Museums Sites

University Library
Taylor Law Library
Medical Library

Museum Collections

Anatomy Museum
Pathology and Forensic Medicine
Marischal Museum
Geology Museum

Library News and Events

- > News
- > Events

Library Services

- > Opening Hours
- > Who can use the Library
- > Help and Support
- > Inter Library Loans
- > Information for students
- > Information for staff
- > Information for visitors

Results

Click on **Availability** tab to find out number of copies held

Click on the Location to find out more about the copy

1 Results for All Libraries/Collections

Sorted by: Relevance ▾



Handbook of vitamins.

Janos Zemplini 2007

Available at Rowett Institute Library General (QP 771 Han 2007)

Book

Request **Availability** Details Reviews & Tags SFX

Send to ▾

[-] Rowett Institute Library General (QP 771 Han 2007) Available

1

Location	Call Number	Description	Status	Request Options
----------	-------------	-------------	--------	-----------------

<input type="checkbox"/> Rowett Institute Library General	QP 771 Han 2007		On Shelf	Hold :
-----------------------------------------------------------	-----------------	--	----------	--------

Location: Rowett Institute Library General

Call Number: QP 771 Han 2007

Status: On Shelf

Barcode: 013147

Item Type: Book

Item Status: Long Loan

Copy Number: 1

Click on **Hold** link to request the book

1 Results for All Libraries/Collections

Sorted by: Relevance ▾

Placing a hold

Click on **Request** tab; Select the **Pickup Location** (where you want to collect the book); click on the **Hold** button

The screenshot shows a library search results page for the book "Handbook of vitamins" by Janos Zemplini, 2007. The book is available at Rowett Institute Library General (QP 771 Han 2007). The "Request Options" section is expanded, showing the "Details of the items you requested:"

Location: Rowett Institute Library,General ,QP 771 Han 2007
Item category: Long Loan
Item status: On Shelf
* Pickup Location: Sir Duncan Rice Library
Volume/Part:
Year:

Buttons: **Hold** (circled in red), Clear Selection

1 Results for All Libraries/Collections Sorted by: Relevance

Library Home | Blog | RSS feed | Subject A to Z | Contact Us
University of Aberdeen | Powered by ExLibris Primo | Copyright © 2009

UNIVERSITY OF ABERDEEN

Trusted sites | Protected Mode: Off

13:43 29/01/2013

Hold/Request option



- Works for: inter-campus requests; request for book out on loan to someone else; stock in closed access stacks; Heavy Demand reservations
- For books out on loan: email will be sent out to the borrower's university email account – return item within set number of days (normally 5 days)
- **Check your email account regularly**
- You'll receive an email to item is available; message also in your Library Account in Primo

Searching by subject

I have an assignment on
the impact of climate
change on agriculture...
but I don't know what the
library has on this topic

TIP: use the Advanced Search option



Use the **Advanced Search** option to see what we have on a subject

- it's more flexible BUT I've forgotten to apply all the search rules...

Aberdeen Collections | Journal Articles and More

Any is (exact) climate change

Any contains agriculture or farming

Any contains

Publication Date: Any year

Material Type: All items

Search Scope: All Libraries/Collections

Search | Simple Search

What is Primo?

Primo enables you to search across books, electronic resources from our special collections

Advanced Search

Use a different search box for each idea and remember to type in alternative keywords or phrases. You can type in different words, change fields and restrict or limit your searches

Primo searches for “climate change” and (agriculture or farming)

Aberdeen Collections | [Journal Articles and More](#)

Any	is (exact)	climate change
Any	contains	agriculture or farming
Any	contains	

Publication Date:	Any year
Material Type:	All items
Search Scope:	All Libraries/Collections

Search | [Simple Search](#)

[rss](#) | [Save query](#)

0 Results for All Libraries/Collections

Sorted by: Relevance

Apply the search rules...

“climate change” and (agricultur* OR farm*)

Primo by Ex Libris - climate change / agricultur* ...

Library Special Collections and Museums

Guest e-Shelf My Account Login

New Search A-Z eJournals Home Tags Help

Aberdeen Collections Journal articles, e-books and more Course Reading (Login required)

Any is (exact) climate change
Any contains agricultur* OR farm*
Any contains

Publication Date: Any year
Material Type: All items
Search Scope: All Libraries/Collections

Find Databases

Search Simple Search

61 Results for All Libraries/Collections

Sorted by: Relevance 1 2 3 4 5 ... Next

Show only Full Text Online (43) Available in the Library (19)

Refine My Results

Resource Type
Books (59)
Teaching Resources (2)
Text Resources (2)

Location
Sir Duncan Rice Library (15)
Taylor Library (7)
Rowett Institute Library (2)
Special Collections Centre (2)

Collection
General (10)
Reference (5)
Closed Access Store (3)
Teaching Resource Collection (2)

Date
Before 1996 (4)
1996 To 1999 (5)
1999 To 2006 (8)
2006 To 2009 (24)
After 2009 (34)

1 Book Course on climate change impact on agriculture and forestry. Denis Peter; G Maracchi; A Ghazi; European School of Climatology and Natural Hazards.; European Commission. Directorate-General XII, Science, Research, and Development; Environment and Climate Programme. , 1998 Available at Taylor Library Reference (EC 11-6 Pet) Availability Details Reviews & Tags SFX

2 Teaching Resource The no-nonsense guide to climate change Dinyar Godrej 1965- , 2006 Available at Sir Duncan Rice Library Floor 6 TRC (551.6 G54) Availability Details Reviews & Tags SFX

3 Book Climate change and cultural dynamics a global perspective on mid-Holocene transitions David G Anderson (David George), 1965-; Kirk A Maasch (Kirk Allen); Daniel H Sandweiss; ScienceDirect (Online service) , 2007 Multiple versions found Click versions on the right to view View 2 versions

4 Book Alternative farming systems, biotechnology, drought stress and ecological fertilisation Eric Lichtfouse; SpringerLink (Online service) , c2011 Online access View Online Details Reviews & Tags SFX

Results...

Records sorted by relevance – this can be changed

Aberdeen Collections | Journal articles, e-books and more | Course Reading (Login required)

Any climate change | Publication Date: Any year

Any agricultur* OR farm* | Material Type: All items

Any | Search Scope: All Libraries/Collections [Find Databases](#)

[Simple Search](#)

Show only
[Full Text Online](#) (43)
[Available in the Library](#) (19)

Refine My Results
Resource Type
[Books](#) (59)
[Teaching Resources](#) (2)
[Text Resources](#) (2)

Location
[Sir Duncan Rice Library](#) (15)
[Taylor Library](#) (7)
[Rowett Institute Library](#) (2)
[Special Collections Centre](#) (2)

Collection
[General](#) (10)
[Reference](#) (5)
[Closed Access Store](#) (3)
[Teaching Resource Collection](#) (2)

Date
[Before 1996](#) (4)
[1996 To 1999](#) (5)
[1999 To 2006](#) (8)
[2006 To 2009](#) (24)
[After 2009](#) (34)

61 Results for All Libraries/Collections


Show only [Full Text Online](#) (43) | [Available in the Library](#) (19)

Sorted by: Relevance


1 2 3 4 5 ... Next

1  **Course on climate change impact on agriculture and forestry.**
Denis Peter; G Maracchi; A Ghazi; European School of Climatology and Meteorology; European Commission. Directorate-General XII, Science, Research, and Development. Programme. , 1998
Available at Taylor Library Reference (EC 11-6 Pet)


[Availability](#) [Details](#) [Reviews & Tags](#) [SFX](#)

2  **The no-nonsense guide to climate change**
Dinyar Godrej 1965- , 2006
Available at Sir Duncan Rice Library Floor 6 TRC (551.6 G54)

[Availability](#) [Details](#) [Reviews & Tags](#) [SFX](#)

3  **Climate change and cultural dynamics a global perspective on mid-Holocene transitions**
David G Anderson (David George), 1965-; Kirk A Maasch (Kirk Allen); Daniel H Sandweiss; ScienceDirect (Online service) , 2007
Multiple versions found
Click versions on the right to view

[View 2 versions](#)

4  **Alternative farming systems, biotechnology, drought stress and ecological fertilisation**
Eric Lichtfouse; SpringerLink (Online service) , c2011
Online access

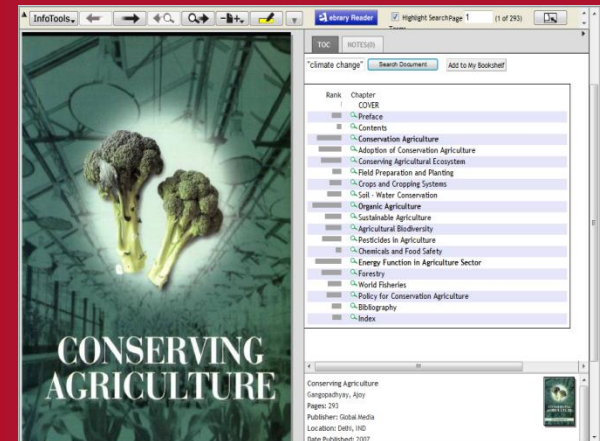
[View Online](#) [Details](#) [Reviews & Tags](#) [SFX](#)

Electronic books

I have to hand in my
assignment very soon...

And all the books that I
need are out on loan!

HELP!



Resource Type: Books

Show only: Full Text Online = e-books only

Aberdeen Collections | Journal articles, e-books and more | Course Reading (Login required)

Any is (exact) climate change
Any contains agricultur* OR farm*
Any contains

Publication Date: Any year
Material Type: All items
Search Scope: All Libraries/Collections

[Find Databases](#)

Simple Search

- Show only**
- [Full Text Online](#) (43)
 - [Available in the Library](#) (19)

- Refine My Results**
- Resource Type**
- [Books](#) (59)
 - [Teaching Resources](#) (2)
 - [Text Resources](#) (2)





- Location**
- [Sir Duncan Rice Library](#) (15)
 - [Taylor Library](#) (7)
 - [Rowett Institute Library](#) (2)
 - [Special Collections Centre](#) (2)

- Collection**
- [General](#) (10)
 - [Reference](#) (5)
 - [Closed Access Store](#) (3)
 - [Teaching Resource Collection](#) (2)

- Date**
- [Before 1996](#) (4)
 - [1996 To 1999](#) (5)
 - [1999 To 2006](#) (8)
 - [2006 To 2009](#) (24)
 - [After 2009](#) (34)

61 Results for All Libraries/Collections | Sorted by: Relevance | 1 2 3 4 5 ... Next →

Show only [Full Text Online](#) (43) | [Available in the Library](#) (19)

- | 1 |  | Course on climate change impact on agriculture and forestry.
Denis Peter; G Maracchi; A Ghazi; European School of Climatology & Commission. Directorate-General XII, Science, Research, and Development Programme. , 1998
Available at Taylor Library Reference (EC 11-6 Pet) | Availability Details Reviews & Tags SFX | |
|---|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|---------------------------------|
| 2 |  | The no-nonsense guide to climate change
Dinyar Godrej 1965- , 2006
Available at Sir Duncan Rice Library Floor 6 TRC (551.6 G54) | Availability Details Reviews & Tags SFX | |
| 3 |  | Climate change and cultural dynamics a global perspective on mid-Holocene transitions
David G Anderson (David George), 1965-; Kirk A Maasch (Kirk Allen); Daniel H Sandweiss; ScienceDirect (Online service) , 2007
Multiple versions found
<i>Click versions on the right to view</i> | | View 2 versions |
| 4 |  | Alternative farming systems, biotechnology, drought stress and ecological fertilisation
Eric Lichtfouse; SpringerLink (Online service) , c2011
Online access | View Online Details Reviews & Tags SFX | |

- Relevance
- Date-newest
- Popularity
- Author
- Title

There may be several versions of the same title – open the ‘View ...versions’ link

Library Special Collections and Museums

New Search | A-Z eJournals | Home | Tags | Help

Aberdeen Collections | Journal articles, e-books and more | Course Reading (Login required)

Any is (exact) climate change Publication Date: Any year

Any contains agricultur* OR farm* Material Type: All items

Any contains Search Scope: All Libraries/Collections Find Databases

Search Simple Search

Show only Available in the Library (4)

Refine My Results

Location
Sir Duncan Rice Library (3)
Taylor Library (3)

Collection
General (2)
Reference (2)
Closed Access Store (1)


Date
Before 2003 (3)
2003 To 2006 (6)
2006 To 2007 (9)
2007 To 2008 (9)
After 2008 (31)


Author/Creator
SpringerLink (Online service) (13)
ebrary, Inc (11)
ScienceDirect (Online service) (6)
Lichtfouse, E (5)
Scotland, Scottish Government (2)
Show 15 more


Subject


43 Results for All Libraries/Collections Sorted by: Relevance 1 2 3 4 5 Next

Refined by: resource type: Books x top level: Full Text Online x

1  **Climate change and cultural dynamics a global perspective on mid-Holocene transitions** View 2 versions
David G Anderson (David George), 1965-; Kirk A Maasch (Kirk Allen); Daniel H Sandweiss;
ScienceDirect (Online service) , 2007
Multiple versions found
Click versions on the right to view

2  **Environmental problems as conflicts of interest** View 2 versions
Peter B. Sloep 1950-; Andrew Blowers; ScienceDirect (Online service) , c1996
Multiple versions found
Click versions on the right to view

3  **Evolution on planet earth the impact of the physical environment** View 2 versions
Lynn J Rothschild; Adrian Lister; ScienceDirect (Online service) , c2003
Multiple versions found
Click versions on the right to view

4  ☆ **Alternative farming systems, biotechnology, drought stress and ecological fertilisation**
Eric Lichtfouse; SpringerLink (Online service) , c2011
Online access
View Online Details Reviews & Tags SFX

☆ **Soil health and climate change**
Bhupinderpal Singh; Annette I. Cowie; K Chan; Springer ink (Online service) c2011

To link to the e-book in full text... click on the **View Online** link in the item record

Library Special Collections and Museums

New Search | A-Z eJournals | Home | Tags | Help

Aberdeen Collections | Journal articles, e-books and more | Course Reading (Login required)

Any is (exact) climate change
Any contains agricultur* OR farm*
Any contains

Publication Date: Any year
Material Type: All items
Search Scope: All Libraries/Collections

[Find Databases](#)

[Search](#) [Simple Search](#)

Show only
[Full Text Online](#) (1)

Suggested New Searches
by this author/creator:
Sloep, P
Blowers, A
[ScienceDirect \(Online service\)](#)


on this subject:
[Environmental policy](#)


[rss](#)

2 Results for All Libraries/Collections Sorted by: Relevance ▾

Show only [Full Text Online](#) (1)

Refined by: [List of Versions: x](#)

1  ☆ **Environmental problems as conflicts of interest**
Peter B. Sloep 1950-; Andrew Blowers; ScienceDirect (Online service) , c1996
Online access
[View Online](#) [Details](#) [Reviews & Tags](#) [SFX](#)

2  ☆ **Environmental problems as conflicts of interest**
Peter B. Sloep 1950-; Andrew Blowers , c1996
Request from Sir Duncan Rice Library Floor 6 (363.7 Slo)
[Availability](#) [Details](#) [Reviews & Tags](#) [SFX](#)

2 Results for All Libraries/Collections Sorted by: Relevance ▾

Click on **Open source** in a new window

Login using university computer name and password

Show only

Full Text Online (1)

Suggested New Searches

by this author/creator:

Sloep, P

Blowers, A

ScienceDirect (Online service)

on this subject:

Environmental policy

rss

2 Results for All Libraries/Collections

Sorted by: Relevance ▾

Show only Full Text Online (1)

Refined by: List of Versions: X



Book

Environmental problems as conflicts of interest

Peter B. Sloep 1950-; Andrew Blowers; ScienceDirect (Online service), c1996

Online access

[View Online](#) [Details](#) [Reviews & Tags](#) [SFX](#)

Open source in a new window

Send to ▾



Hub

ScienceDirect

Scopus

Applications

Register

Library, S

Home | **Publications** | Search | My settings | My alerts

Help

Articles

All fields

Author

Images

Journal/Book title --This Journal/Book--

Volume


Issue

Page



Environmental Policy in an International Context



This e-book opens with full text access in the **ScienceDirect** collection... make sure your personal computer is set up to link to e-books




Environmental Policy in an International Context



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[About this Book Series](#) | [Shortcut link to this Title](#)

 [New Article Feed](#)  [Alert me about new volumes](#)

 [Add Book Series to Favorites](#)

< [Previous vol/iss](#) | [Next vol/iss](#) >


Font Size:  

 [Add Volume to Favorites](#)  [Add to my Quick Links](#)


Volume 2, Pages 1-257 (1996)


Environmental Problems as Conflicts of Interest


Edited by Peter B. Sloep and Andrew Blowers


ISBN: [978-0-340-65260-2](#) 


articles **1 - 14**





 = Full-text available





 = Abstract only





 **Volume 3**
pp. 1-302 (2003)
Prospect for Environmental Change





 **Volume 2**
pp. 1-257 (1996)
Environmental Problems as Conflicts of Interest





 **Volume 1**
pp. 1-193 (1995)
Perspectives on Environmental Problems



 [E-mail articles](#) |  [Export citations](#) |  [PDF downloader](#) |  [Open all previews](#)

1   **About the contributors**
Pages ix-xi
 [Show preview](#) |  [PDF \(192 K\)](#) | [Related articles](#) | [Related reference work articles](#)

2   **Preface**
Pages xii-xiii
Andrew Blowers, Pieter Glasbergen
 [Show preview](#) |  [PDF \(115 K\)](#) | [Related articles](#) | [Related reference work articles](#)

3   **Acknowledgements**
Page xiv
 [Show preview](#) |  [PDF \(63 K\)](#) | [Related articles](#) | [Related reference work articles](#)

4   **Introduction**
Pages 1-9
Pieter Glasbergen
 [Show preview](#) |  [PDF \(682 K\)](#) | [Related articles](#) | [Related reference work articles](#)

5   **1 Agricultural intensification: Livestock farming in The Netherlands** Original Research Article
Pages 11-36
Emmv Bolsius, Jaap Frouws

Others may open in full text in the **ebrary** collection...
make sure your personal computer is set up to link to
ebrary books (instructions in your handout)

The screenshot displays the University of Aberdeen Library and Historic Collections website. At the top, the header includes the library name and navigation links for 'Bookshelf Migration Instructions', 'Catalogue', and 'Library Home'. A user is signed in as 'aberdeenuniv_shib_bac79ajqgf62b2gwsp0rmirxgwg3d' with a language dropdown set to 'English'. Below the header, there are tabs for 'Info', 'Search', 'QuickView', and 'Bookshelf'. The 'Search' tab is active, showing a search bar and buttons for 'Search ebrary', 'Advanced', and 'All Subjects'. The main content area shows the title 'Climate Change and Crop Production' with a horizontal line underneath. To the right, there is a sidebar with a 'TOC' (Table of Contents) section containing a list of chapters: 'Contents', 'Contributors', 'Foreword', 'Preface', 'Dedication', 'Acknowledgement', 'INTRODUCTORY OVERVIEW', 'PREDICTIONS OF CLIMATE CHANGE AND ITS IMPACT ON CROP PRODUCTIVITY', 'ADAPTING TO BIOTIC AND ABIOTIC STRESSES THROUGH CROP BREEDING', 'SUSTAINABLE AND RESOURCE-CONSERVING TECHNOLOGIES FOR ADAPTATION TO AND MITIGATION OF CLIMATE CHANGE', and 'NEW TOOLS FOR ENHANCING CROP ADAPTATION TO CLIMATE CHANGE'. Above the TOC, there are buttons for 'Search Document' and 'Add to My Bookshelf'. The page number '(1 of 310)' is also visible.

ebrary e-books

- read online using **QuickView**
- register for **Library Workshop** on e-books

Journal articles

I need to read a
journal article on my
course reading list...
Can I use Primo to look
for this? Yes...



Example

I want to find this article...

Silva, V.D.P.R. et al. 2010. Impact of global warming on cowpea bean cultivation in northeastern Brazil. *Agricultural Water Management* 97 (11): 1760-1768



Looking for journal articles



- Search for the journal title in Primo – for this example: **Agricultural Water Management**
- Use the SFX button to link out to the journal provider and search for the article from there
- Alternatively, use Primo's A-Z eJournals search to look for the journal title



Use the **Advanced Search**

Search for journal title as a phrase – **is (exact)**

Material Type: **Journals**


The screenshot displays the library search interface. At the top left is the logo for 'Library Special Collections and Museums'. Navigation links include 'New Search', 'A-Z eJournals', 'Home', 'Tags', and 'Help'. Below the navigation is a search bar with 'Aberdeen Collections' selected. The search criteria are: 'Any' (circled in red) for the search scope, 'is (exact)' (circled in red) for the operator, and 'agricultural water management' for the search term. On the right, 'Publication Date' is set to 'Any year', 'Material Type' is 'Journals' (circled in red), and 'Search Scope' is 'All Libraries/Collections'. A 'Find Databases' button is present. Below the search bar is a 'Search' button and a 'Simple Search' link. On the left, there is a section for 'on this subject: Water in agriculture' with an RSS feed icon. The main results area shows '1 Results for All Libraries/Collections' sorted by 'Relevance'. The first result is 'Agricultural water management' (circled in red), published from 1976, with 'Online access' available. Below the result are links for 'View Online', 'Availability', 'Details', 'Reviews & Tags', and 'SFX'. A second section shows '1 Results for All Libraries/Collections' sorted by 'Relevance'. The footer contains 'Library Home', 'Blog', 'RSS feed', 'Subject A to Z', 'Contact Us', 'University of Aberdeen', 'Powered by ExLibris Primo', 'Copyright © 2009', the University of Aberdeen logo, and a checkbox for 'Update my screen automatically'.

Click on the SFX tab

Click on **Open source in a new window** to open SFX window to find out which years are available in full text

1 Results for All Libraries/Collections Sorted by: Relevance ▾

Refined by: resource type: Journals x


 ☆ **Agricultural water management**
1976-
Online access


Journal

[View Online](#) [Request](#) [Availability](#) [Details](#) [Reviews & Tags](#) **SFX**

[Open source in a new window](#) [Send to ▾](#) [✉](#) [✕](#)

1

 UNIVERSITY OF ABERDEEN

 **SFX Services for this record, provided by Aberdeen University Library**

Language English ▾

Source: Agricultural water management [0378-3774]

⤴ [Read this now](#)

Full Text

Full text available via [Elsevier SD Backfile Complete](#)

1 Results for All Libraries/Collections Sorted by: Relevance ▾

SFX window tells you...

1495
UNIVERSITY OF ABERDEEN

S·F·X SFX Services for this record, provide

Source: Agricultural water management [0378-3774]

⌆ [Read this now](#)

Full Text

Full text available via [Elsevier SD Backfile Complete](#)

Year: Volume: Issue: Start Page:

Available from 1976 until 1994

Full text available via [NESLI2 Elsevier ScienceDirect Freedom Collection](#)

Year: Volume: Issue: Start Page:

Available from 1995 volume: 27 issue: 1

⌆ [Get this later](#)

Get this from a library

Search in [Aberdeen University Library catalogue](#)

Table of contents

Table of contents from [SwetsWise](#)

Year: Volume: Issue:

Available from 1997 volume: 32 issue: 1

- if we have the journal in full text
- what years are covered
- link to journal's website
- link to Library catalogue to look for a paper copy

Silva, V.D.P.R. et al. **2010**. Impact of global warming on cowpea bean cultivation in northeastern Brazil. *Agricultural Water Management* 97 (11): 1760-1768

On the journal's website – browse to find the article
(year 2010; volume 97; issue 11; pages 1760-1768)



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Activate Personalization | Logout | Go to SciVal Suite

Brought to you by:
Library, Special Collections and
Museums, University of Aberdeen

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Articles All fields Author
Images Journal/Book title --This Journal/Book-- Volume Issue



Silva, V.D.P.R. et al. 2010. Impact of global warming on cowpea bean cultivation in northeastern Brazil. Agricultural Water Management 97 (11): 1760-1768

Agricultural Water Management

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New Article Feed Alert me about new Volumes / Issues

Add to Favorites

< Previous vol/iss | Next vol/iss >

Font Size: A⁺ A⁻

Add to my Quick Links

Volume 100, Issue 1, Pages 1-84 (15 November 2011)

articles 1 - 10

= Full-text available
 = Abstract only

Articles in Press

E-mail articles | Export citations | PDF downloader | Open all previews

1 **Editorial Board**
Page CO2





















Show preview | PDF (41 K) | [Related articles](#) | [Related reference work articles](#)



4TH INTERNATIONAL
ECOSUMMIT

TIP: the best format to read and print the article in full text is PDF

- pp. 1463-1662 (August 2011)
- Volume 98, Issue 9
pp. 1329-1484 (July 2011)
 - Volume 98, Issue 8
pp. 1189-1328 (30 May 2011)
 - Volume 98, Issue 7
pp. 1113-1188 (15 May 2011)
 - Volume 98, Issue 6
pp. 899-1112 (April 2011)
 - Volume 98, Issue 5
pp. 733-898 (March 2011)
 - Volume 98, Issue 4
pp. 483-732 (February 2011)
 - Volume 98, Issue 3
pp. 377-482 (30 December 2010)
SAFIR - Safe and high quality food production using low quality waters and improved irrigation systems and management
 - Volume 98, Issue 2
pp. 227-376 (15 December 2010)
 - Volume 98, Issue 1
pp. 1-226 (1 December 2010)
 - Volume 97, Issue 12
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Impact of global warming on cowpea bean cultivation in northeastern Brazil

Vicente de P.R. Silva*, João H.B.C. Campos, Madson T. Silva, Pedro V. Azevedo

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ABSTRACT

This study evaluated the effects of climate change on cowpea bean crop grown in northeastern Brazil based on the reports of the Intergovernmental Panel on Climate Change (IPCC). The water balance model combined with Geographic Information System techniques was used to identify regional areas where the cowpea bean crop will suffer yield reduction due to climate changes. Model input variables were: rainfall, crop coefficients, potential evapotranspiration and duration of the crop cycle. A limit value of 0.5 was adopted for the water requirement satisfaction index (WRSI), being the ratio of actual to maximum evapotranspiration. The acceptable seeding date was defined as the date at which the water balance simulation presented a WRSI value greater than the limit value, with a frequency of at least 80%. An increase in air temperature will cause a significant reduction in the areas currently favorable to cowpea bean crop growth in northeastern Brazil, and it is recommended that bean varieties better suited to high-temperature conditions should be planted.

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1. Introduction

Crop productivity in northeastern Brazil (NEB) is highly sensitive to rainfall and air temperature. The northeastern semiarid area is affected by periodic droughts, which have serious consequences for a large proportion of the rural population that is dependent on rain-fed cereal production for subsistence. The high climatic variability

rainfall has increased with 0.2–0.3% in the tropical region. A recent report of the IPCC presents a detailed physical analysis of the potential trend signaled by the change and concludes that it is very likely that the global climate is going to continue to warm in the near future. A previous report by the IPCC (2001) stated that under conditions of climate change, increases in both the mean and extremes of temperature are expected for many parts of the globe. The

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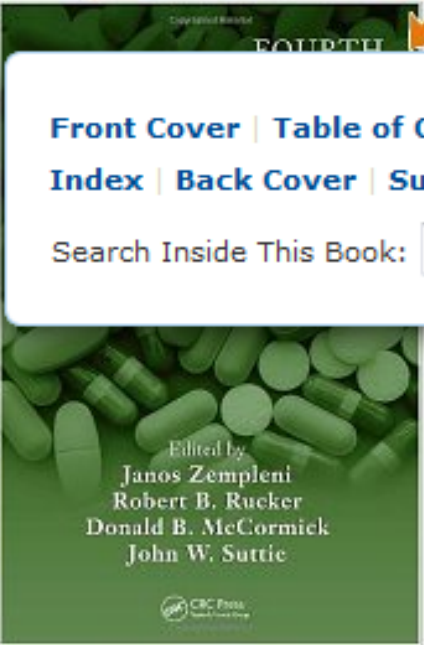
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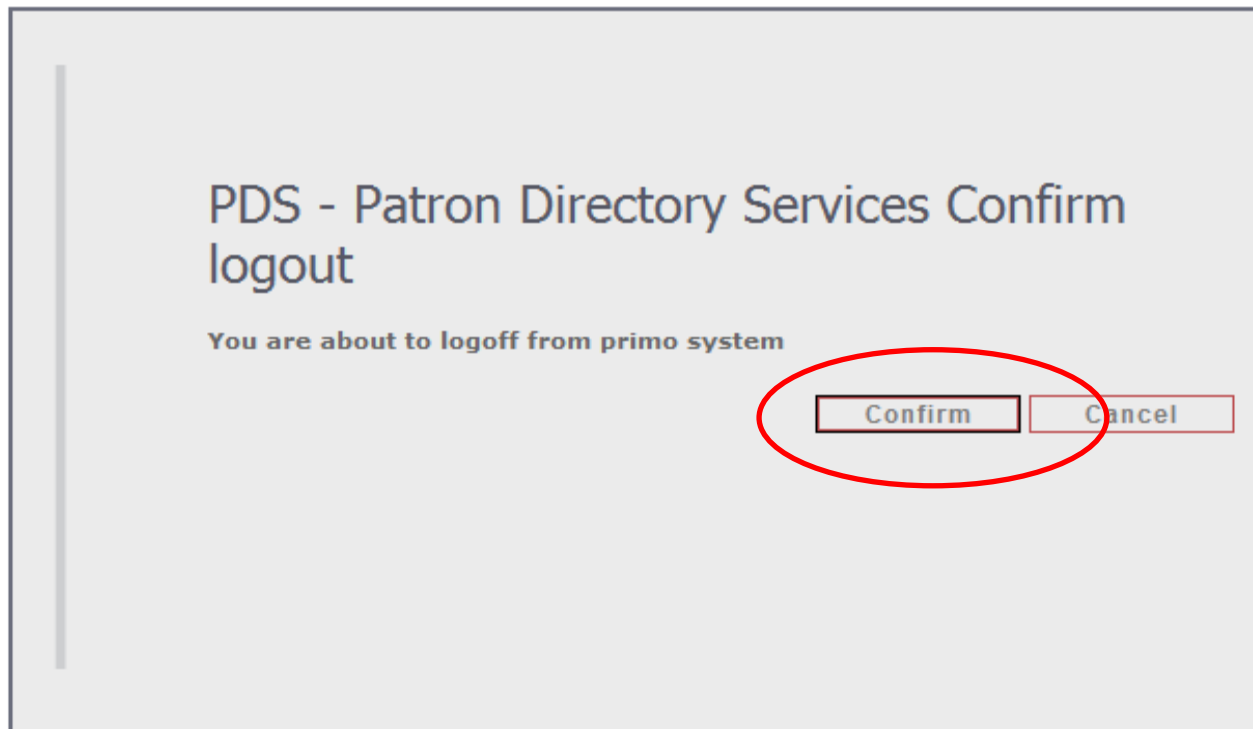
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