



What do British newspapers mean when they talk about droughts? Examining 25 years of discourse, 1990-2014

Carmen Dayrell







Overview

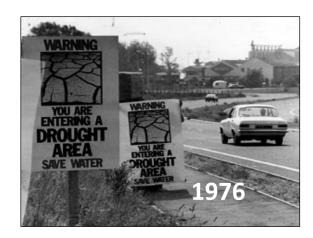
- Research context
- Purpose of this paper
- Corpus compilation
- Methodology
- Preliminary results and conclusions

Major drought events in Britain

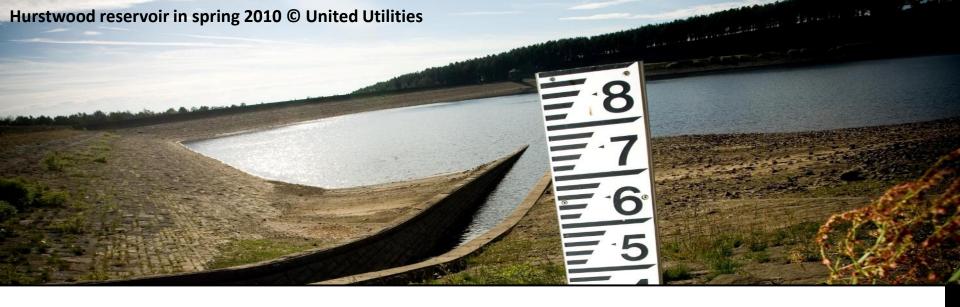


(*Marsh et al. 2007*)

- 2010 12
- 2004 6
- 1995-97
- 1990-92
- 1975-76
- 1959
- 1933-34
- 1921
- 1890-1909
- 1887-88
- 1854-60
- 1798-1808







Historic Droughts and Water Scarcity

A systems-based study of drivers, impacts and their interactions





















Why newspapers?





Purpose of this paper

To examine British media discourses surrounding drought and water scarcity events that took place in Britain between 1990 and 2014



Corpus Compilation: Gabrielatos (2007)

Time period: 1990-2014

Broadsheet papers

The Times

The Daily Telegraph

The Independent

The Guardian/Observer

The Herald

The Scotsman

The Daily Mail

The Daily Mirror

The Sun

The Daily Star

The Daily Record

The Express

Tabloids



Text Collection: Gabrielatos (2007)

Query terms:

- drought(s)
- water scarcity
- water shortage(s)

Keyword	Keyness
drought	6858.466
climate	4699.348
water	3045.096
global	2559.473
emissions	2004.619
warming	1927.380
goal	1795.822
lund	1632.313
year	1429.734
droughts	1363.061
wheat	1347.040
prices	1085.408
floods	1046.011
bali	1022.613
rooney	999.919



Text Collection: Gabrielatos (2007)

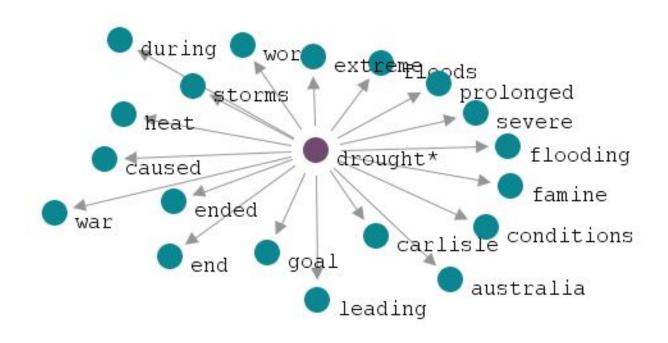
Query terms:

- drought(s)
- water scarcity
- water shortage(s)
- water cut off
- water rationing
- hosepipe ban(s)

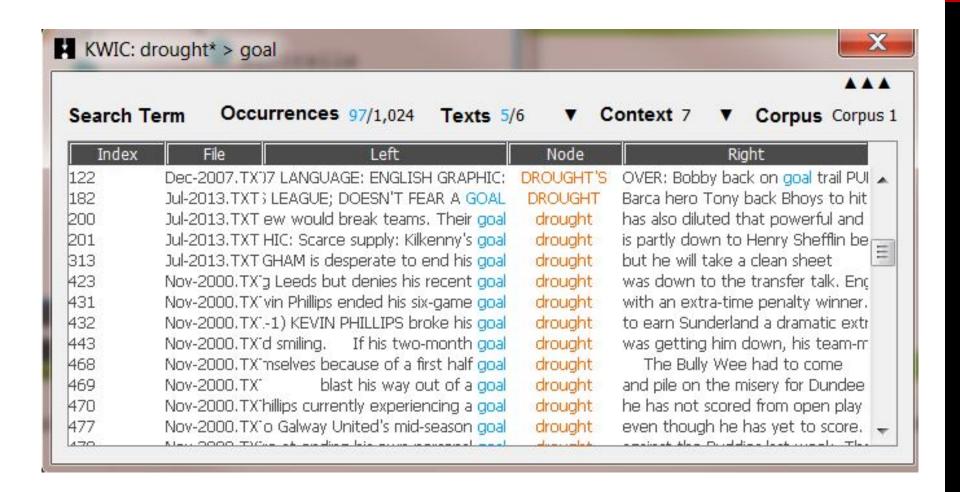
40,315 texts

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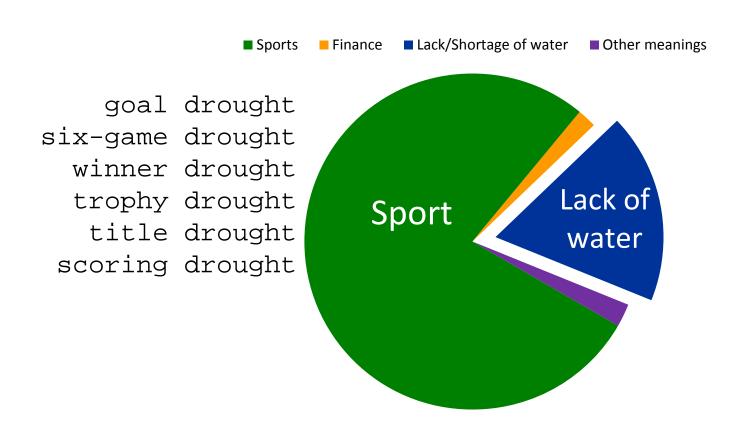




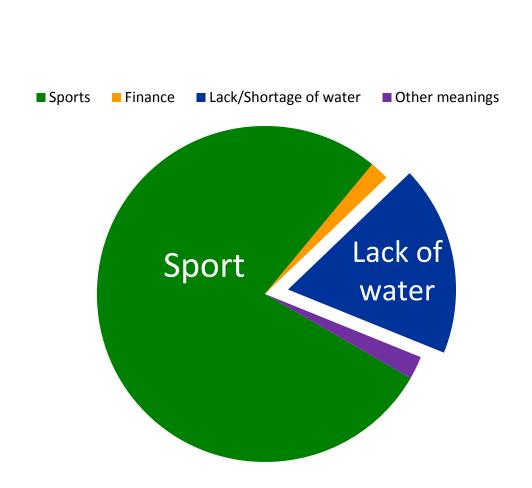






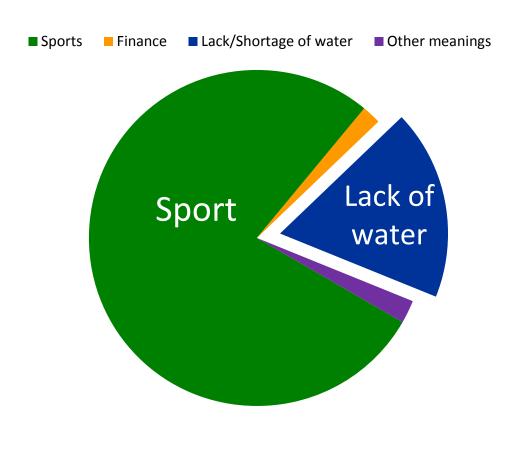






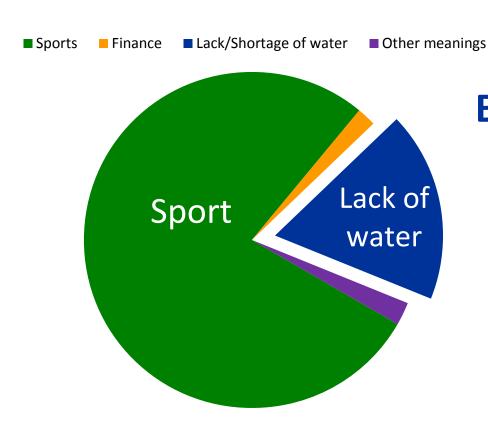
credit drought
loan drought
mortgage drought
sales drought
cash drought





drug drought
lager drought
news drought
wine drought
sex drought
man drought
love drought





Broadsheet papers

4,986 texts

3.8 million words

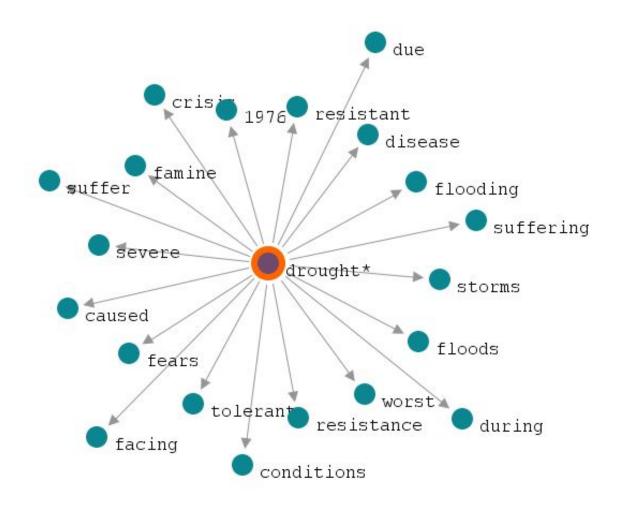
Tabloids

2,384 texts

1.1 million words

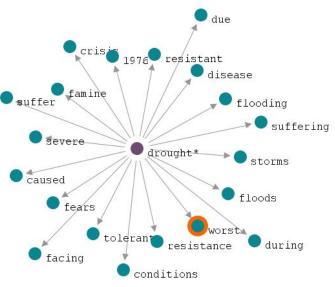


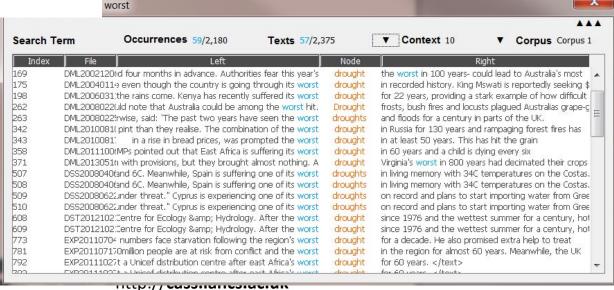
Where did the drought happen?





Where did the drought happen?







Geographic Information System (GIS)

 Identify named geographical entities across very large bodies of textual material

(Gregory and Ell, 2007; Gregory et al., 2015; Murrieta-Flores et al., 2015; Donaldson et al., in press)



The Sun 28/02/2012

decline in Arctic sea ice. Meanwhile, experts say Britain s endangered species, such as rare birds, face a crisis because the **drought** has dried up important wetlands. BRITAIN is currently so unseasonably warm that temperatures for the average February day are being



The Sun 28/02/2012

decline_NN1 in_II Arctic_JJ sea_NN1 ice_NN1 ._YSTP Meanwhile RR, YCOM experts NN2 say VV0 Britain NP1 s_GE endangered_JJ species_NN ,_YCOM such_II21 as II22 rare_JJ birds_NN2 ,_YCOM face_VV0 a_AT1 crisis_NN1 because_CS the_AT drought_NN1 has_VHZ dried_VVN up RP important JJ wetlands NN2 . YSTP BRITAIN NP1 is VBZ currently RR so RG unseasonably RR warm VVO that_CST temperatures_NN2 for_IF the_AT average_JJ February NPM1 day NNT1 are VBR being VBG



The Sun 28/02/2012

decline in Arctic sea ice. Meanwhile, experts say <enamex sw="w467562" long="-2.69531" lat="54.75844" type="country" gazref="geonames:2715" name="United Kingdom of Great Britain and Northern Ireland" conf="1.965072848">Britain</enamex> s endangered species, such as rare birds, face a crisis because the **drought** has dried up important wetlands . <enamex sw="w467682" long="-2.69531" lat="54.75844" type="country" gazref="geonames:2715" name="United Kingdom of Great Britain and Northern Ireland" conf="1.965072848"> BRITAIN</enamex> is currently so unseasonably warm that temperatures for the average February day are being



Where droughts happened?





The Herald 24/04/2008

contribution in the case of **East Timor**, it has responded separately in other emergencies - giving 43m to the Horn of **Africa drought** against 7.15m from the CERF. The **UK** contribution to the CERF adds around ten per cent to the 400m that we

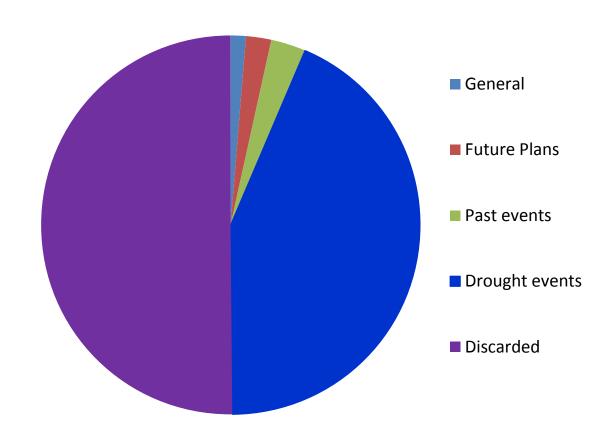


The Express 30/03/2000

She warned that scientists predicted a rise in the Earth 's temperature of up to 3.5C within 100 years, with more drought in Southern England coupled with rising sea levels which would expose vast areas of the country to flooding. She

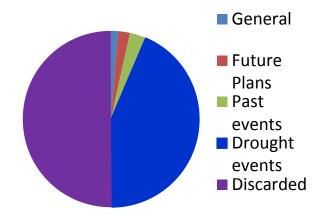


Droughts Britain





Droughts Britain



The Observer 29/12/2002

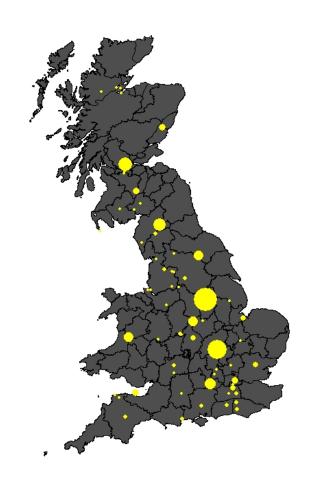
It absolutely follows as night follows day that if some people are so poor that they live off what nature gives, then we will have disasters. If you have a drought in the UK or floods, no one is going to go hungry because we have so many other resources.

http://cass.lancs.ac.uk



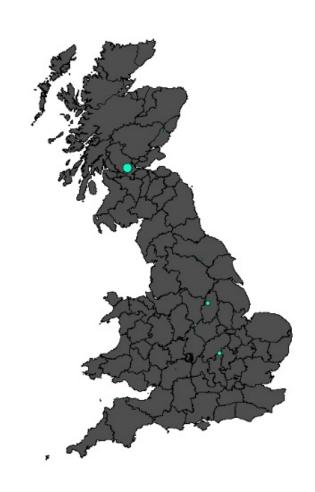


Placenames related to drought events





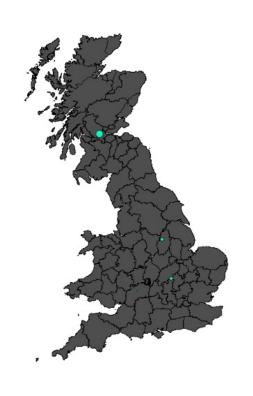








Scotland is rich in water resources



The Times 31/12/2011

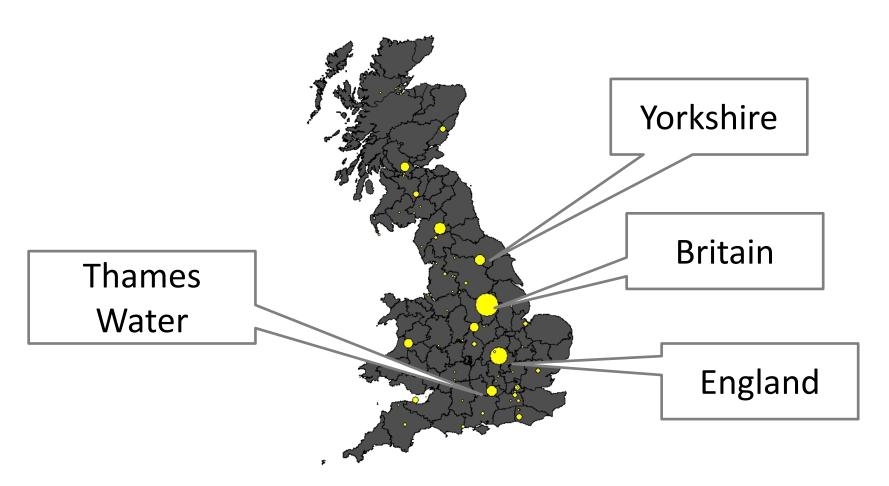
The year was also one of the driest on record in **England**, with a **drought** order in the South East this month.

However, **Scotland** had its wettest year ever.

Tabloids



Drought events tend to happen in England



Tabloids



Drivers Responses Impact (DRI)

- Drivers
 - Low rainfall
 - Poor management and high profits
- Responses
 - (hosepipe) bans or restrictions
 - Drought orders or permits
- Impacts
 - Low water levels
 - Plants/gardens are affected



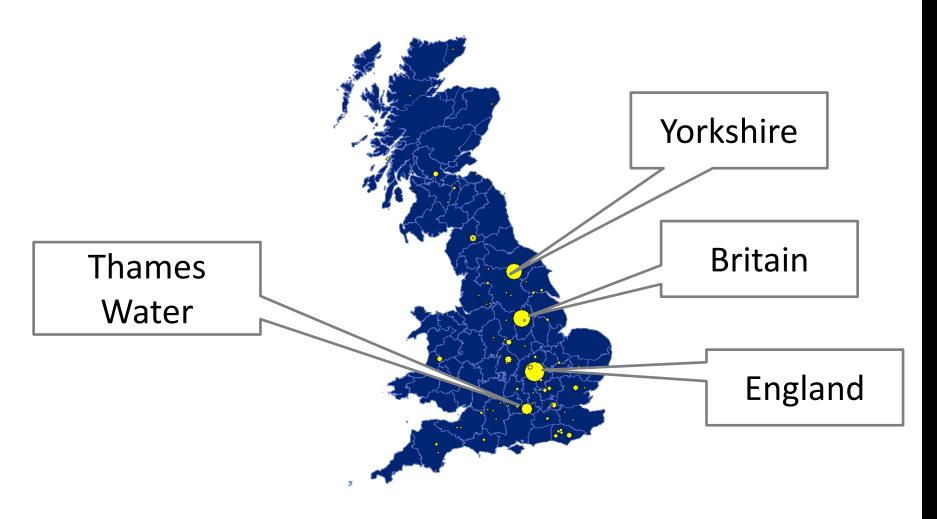




Broadsheet



Drought events tend to happen in England



Broadsheet



Drivers Responses Impact (DRI)

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Lots to be done ...

- Other words hosepipe ban(s)
- General discussion around drought events in Britain
 - By event
- Discourse around drought events in places other than Britain (non-Britain)





Q & A

Carmen Dayrell



