
Hitzewellen und Hitzestress im Klimawandel

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LET'S
Y AT
MER
OYS

Παύση αποκαΐδια
Σταμάτησε η καύση των αποκαΐδιων στην Ελλάδα. 187 τραυματίες, 100 οι νεκροί.

ΑΠΟΚΑΪΔΙΑ
Ενώ ληστού οι ήλιος κείτε ούραση διαγώνου

Ανταγωνισμός
συμμετοχές από ΠΑΕ Βόλος και Ολυμπιακό Β.

Αναβάλλεται
η κρήνη της Νίκης Βόλου

ΑΝΑΒΑΛΛΕΙ ΟΙ ΠΡΟΒΛΕΨΕΙΣ
ΦΟΡΟΤΟΧΟΙΣ ΑΠΕΚΤΙΧΕ ΤΙΤΟ ΔΙΔΑΚΤΟΡΑ

ΣΑΝΑΛΑΜΒΙΖΕΙ ΟΙ ΕΠΙΧΕΙΡΗ
ΤΟΥΣ ΑΡΧΙΤΕΚΤΟΝΟΥΣ ΤΟΥ ΣΠΑΡΤΕΥΣ Ο ΑΛΜΥΡΟΣ

I thought it couldn't get any hotter, brace yourself for ...

37c

FURNACE FRIDAY!

BAKED Britain was last night warned to get ready for a record-breaking 'Furnace Friday'.

As the heatwave tightens its grip, forecasters expect temperatures of 36C (96F) today and 37C tomorrow.

The all-time high of 38.5C, which was recorded in Faversham, Kent, in 2003, could even be eclipsed.

Storms will then bring torrential rain and flooding before the heatwave resumes next week. It is set to last until the end of August in southern and eastern England.

There is nothing in the longer term to suggest a dramatic change, said Met Office forecaster Grahame Mudge last night.

As MPs issued an alert over melting motorways and 7,000 heat-related deaths a year:

- Asthma patients and the elderly were urged to limit time outdoors;
- One English village has reported no rainfall in 50 days;
- A primary school asked pupils to walk around their playing field five times in blistering heat to 'show solidarity with refugees'.
- London Underground's Central Line hit 40C - but passengers were told there will be no air conditioning until 2020.

Mr Mudge said record temperatures for July were expected in parts of London and the South East tomorrow and other areas could be in the high 20s to low 30s Celsius.

Thunderstorms could break out from the Home Counties all the way to the Scottish border. With

By Richard Marsden

Turn to Page 4

WIN A CARAVAN

AS BRITAIN BAKES IN 95°F HEAT

THE WORLD'S ON FIRE

Planet gripped by killer heatwave

Hundreds die in Europe and Japan

Αποκοκκιστής
Ποσειδ

EXPRESSEN

OSNDAG 25 JULI 2018 Pris: 22 kr

Bedragarnas NYA BANK-ID BLUFF TÖMMER DITT KONTO

35 GRADER

EXTREM-LARMET

Rekordhøga temperaturer Grillningsförbudet utökas

SVENSKA KVINNORNA och männen SOM FÖLL MOT HITLER

DAILY MIRROR

FIGHTING FOR YOU

Thursday, July 26, 2018 75p

BRITAIN ON RED ALERT

UK'S HOTTEST DAY EVER

KVÄLLSPOSTEN

OSNDAG 25 JULI 2018 Pris: 23 kr (inkl moms)

SVENSKA KVINNORNA och männen SOM FÖLL MOT HITLER

SÅ SLÅR

70

LA STAMPA

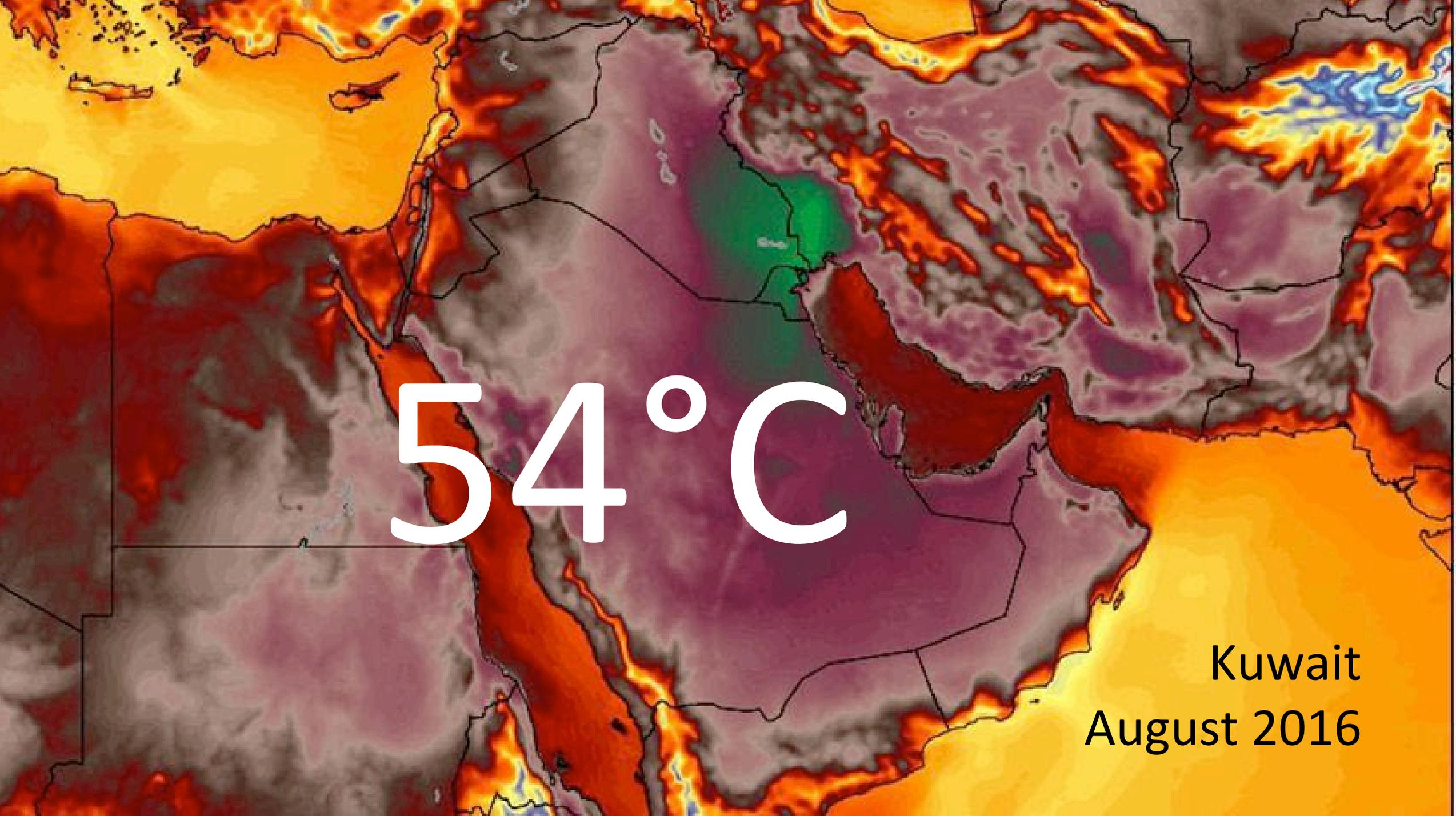
GIORNATA FONDATA NEL 1876

Grecia, l'inferno arriva sulla spiaggia: "Le fiamme hanno fatto cento vittime"

QUELLE MADRI MORTE ABBRACCIATE AI FIGLI

Un'ospite per aiutare gli astitici

Dal balcone alla danza La nuova vita del rifugiato Moussa



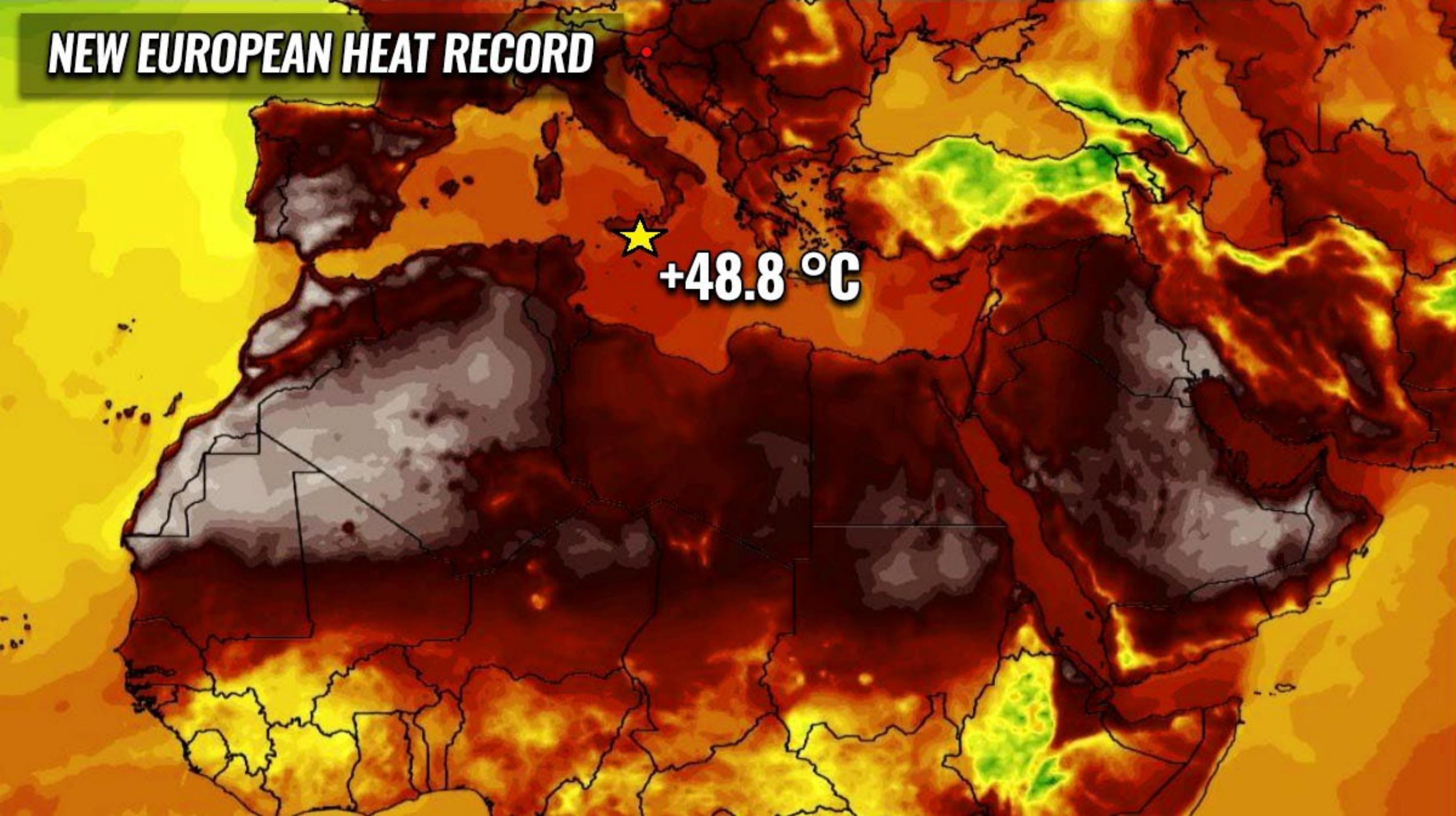
54°C

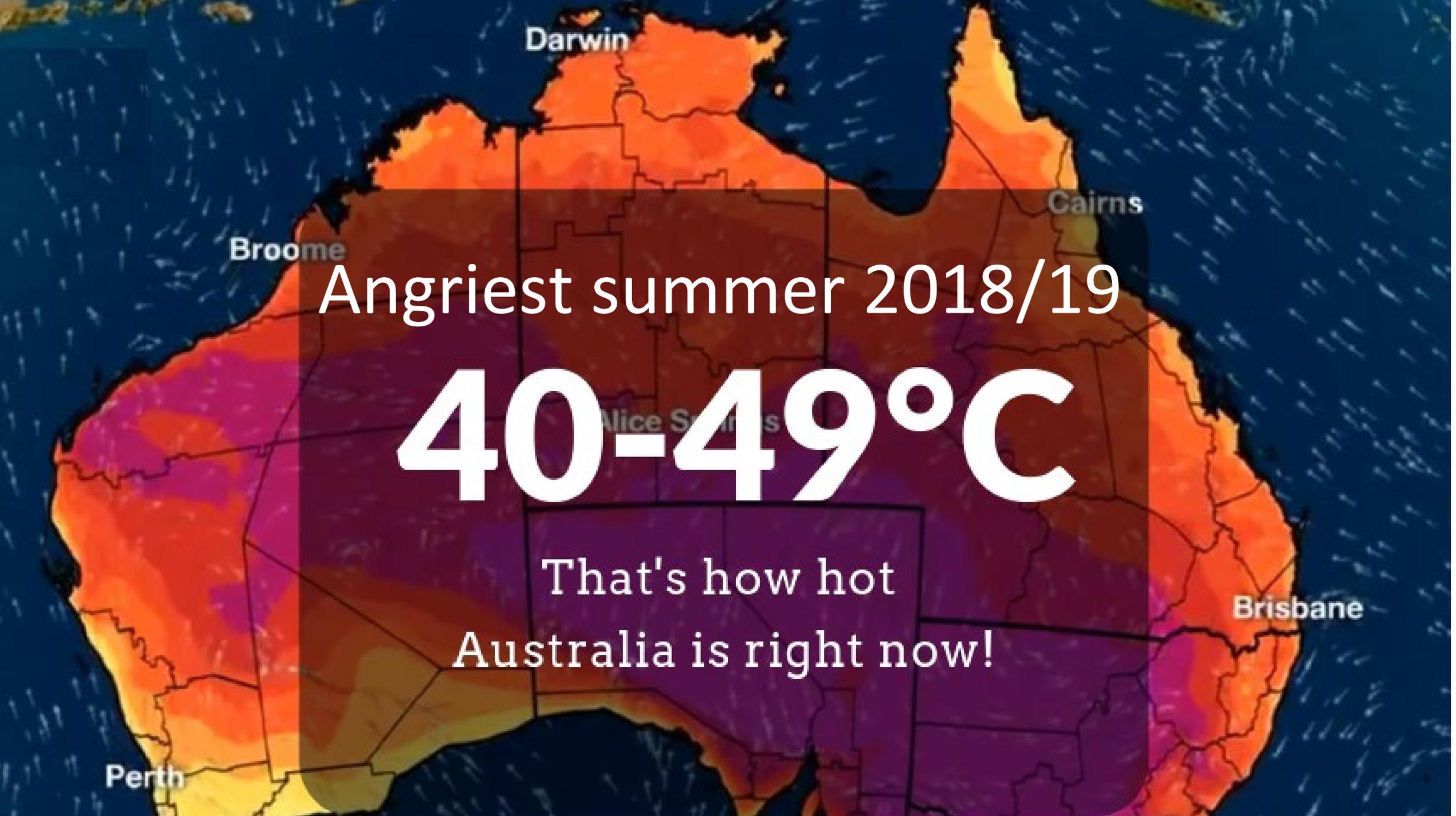
Kuwait
August 2016

NEW EUROPEAN HEAT RECORD



+48.8 °C





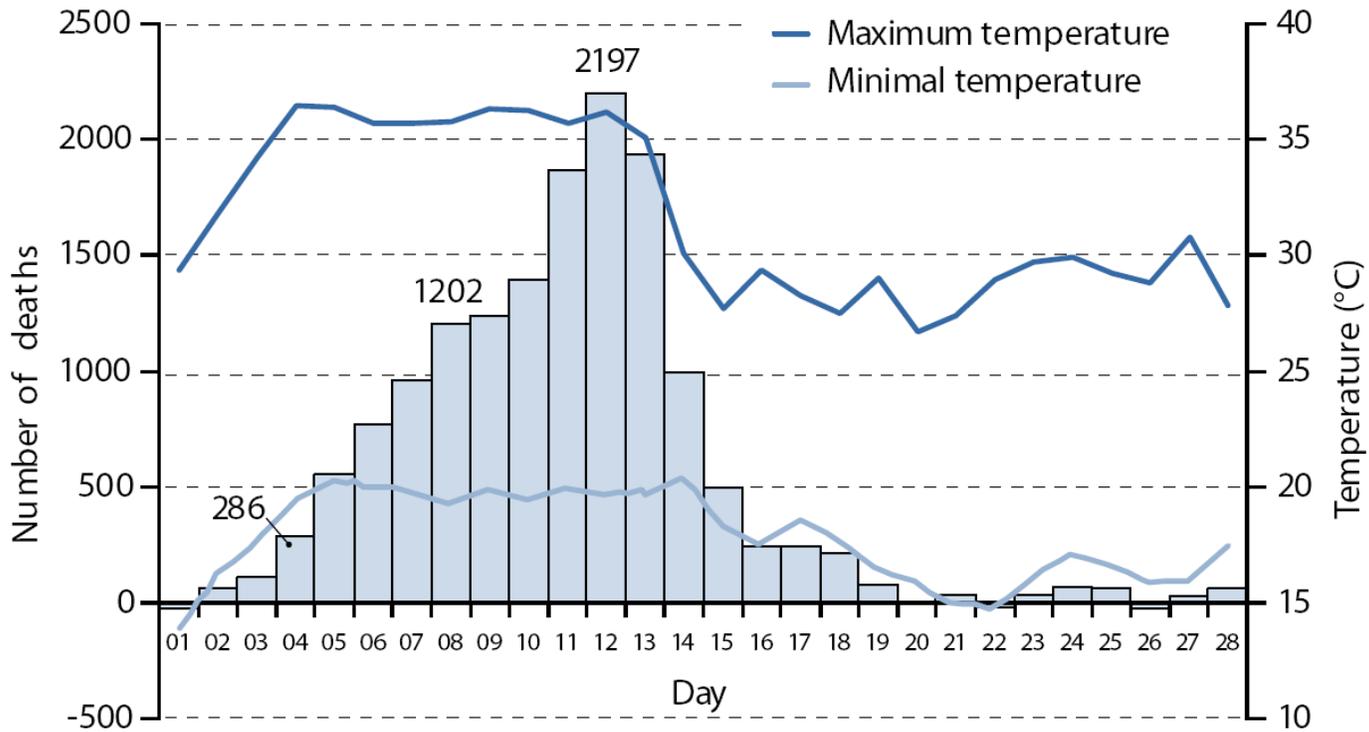
Angriest summer 2018/19

40-49°C

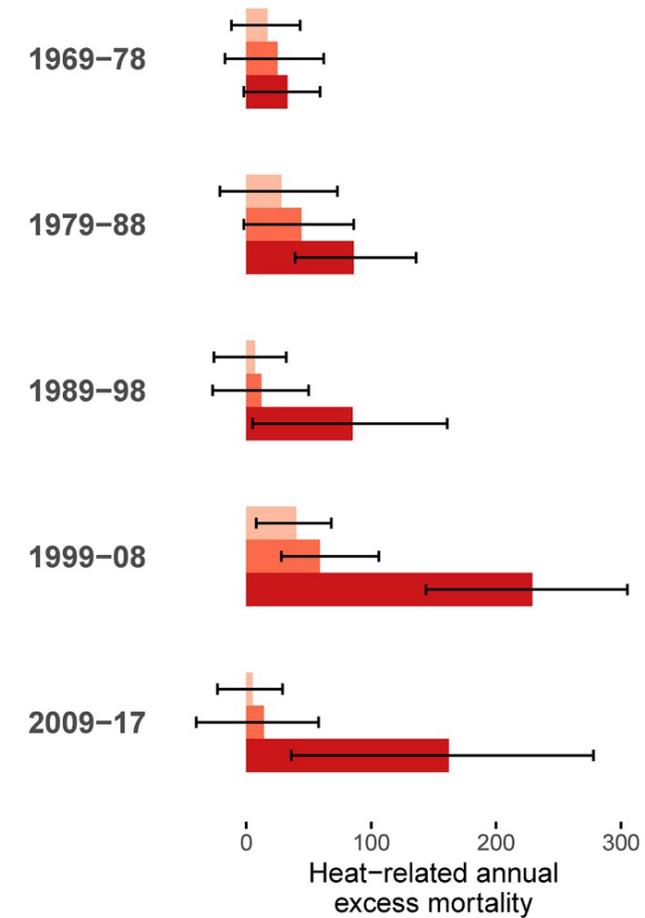
That's how hot
Australia is right now!

Extreme Hitze ist tödlich...

Übersterblichkeit in Frankreich 2003



Hitzebedingte Sterblichkeit in der Schweiz

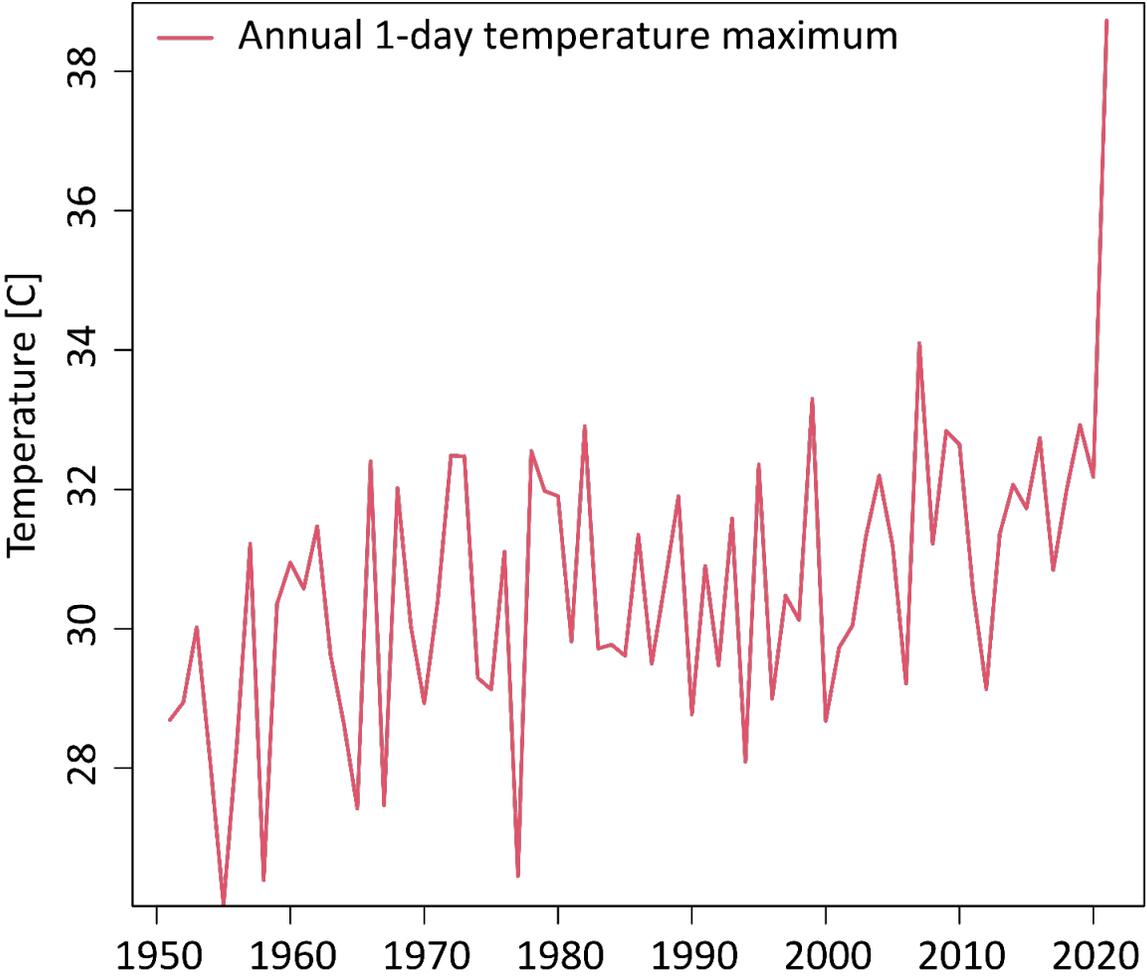
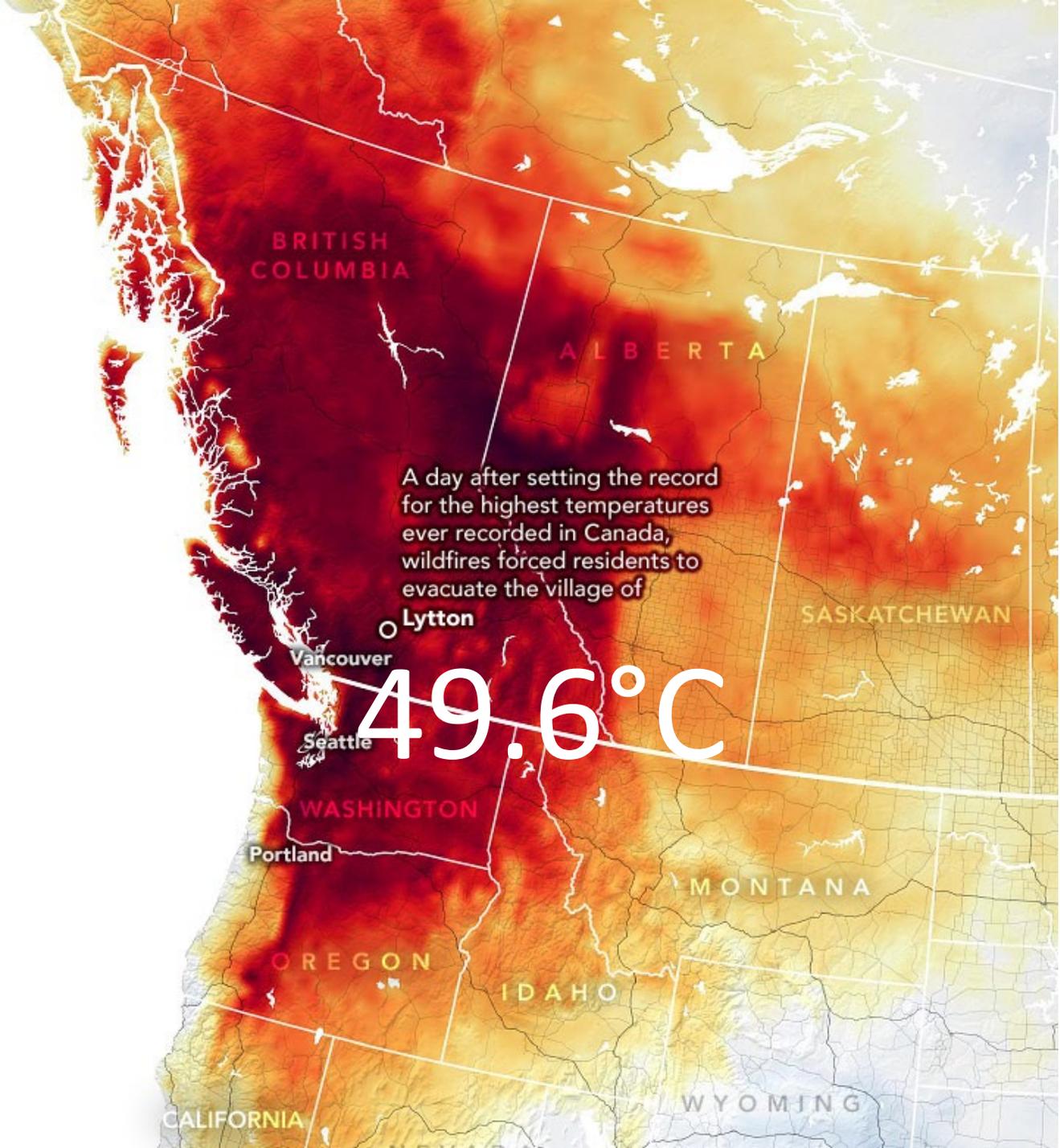


Age category ■ <65 ■ 65-79 ■ 80 & above

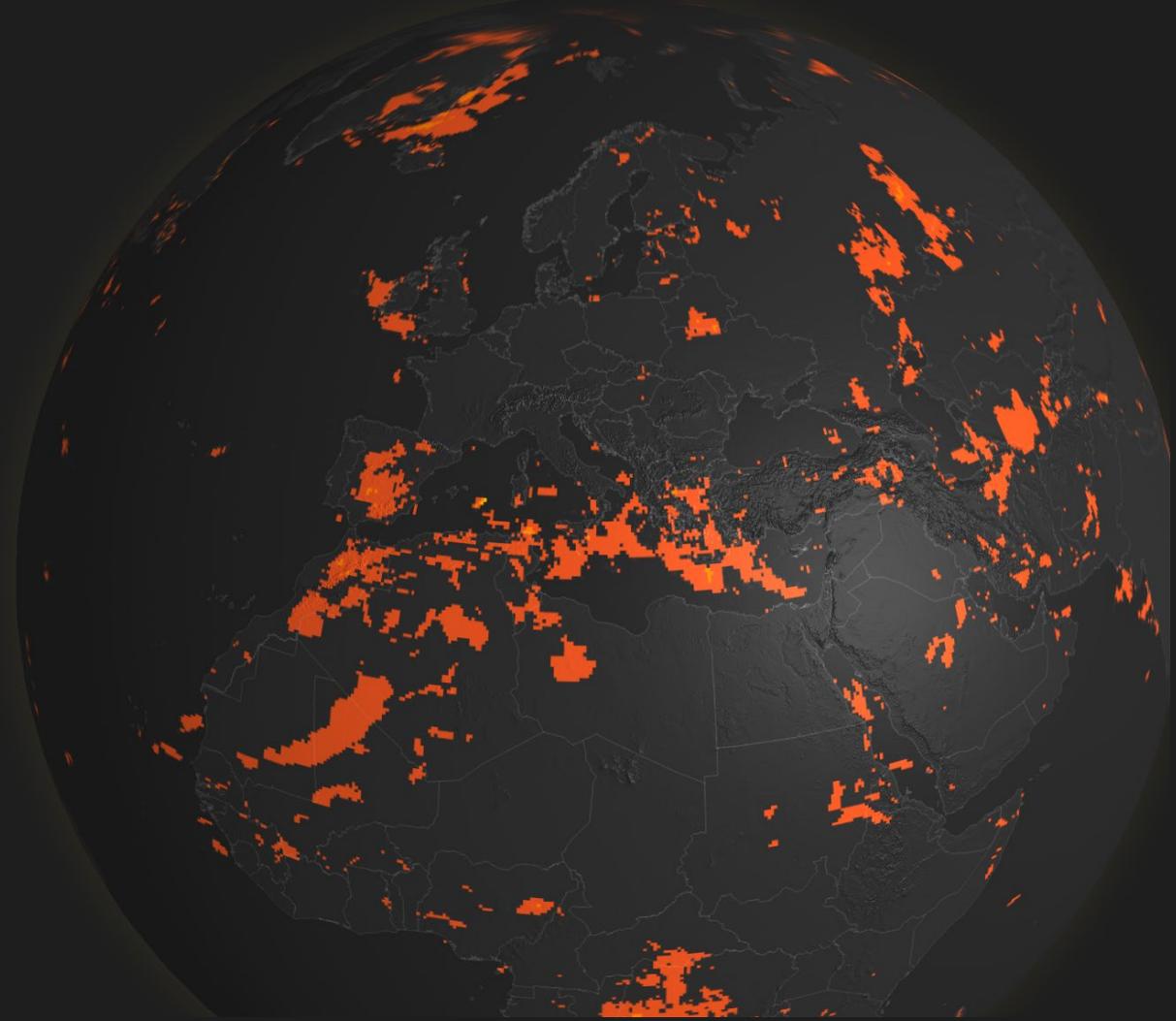
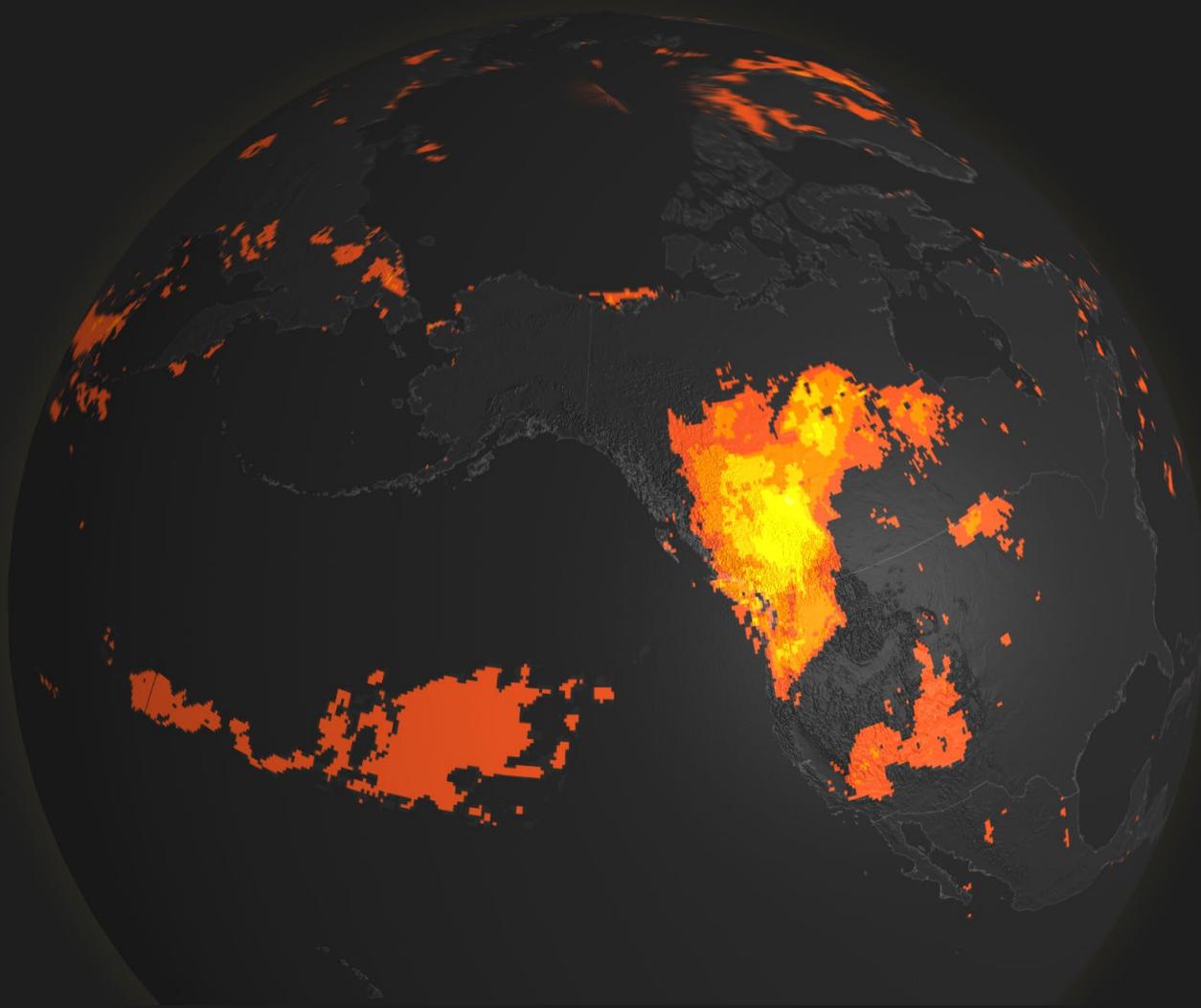
...und senkt Produktivität



Rekordhitze USA/Kanada 2021



Where temperature records were broken in 2021

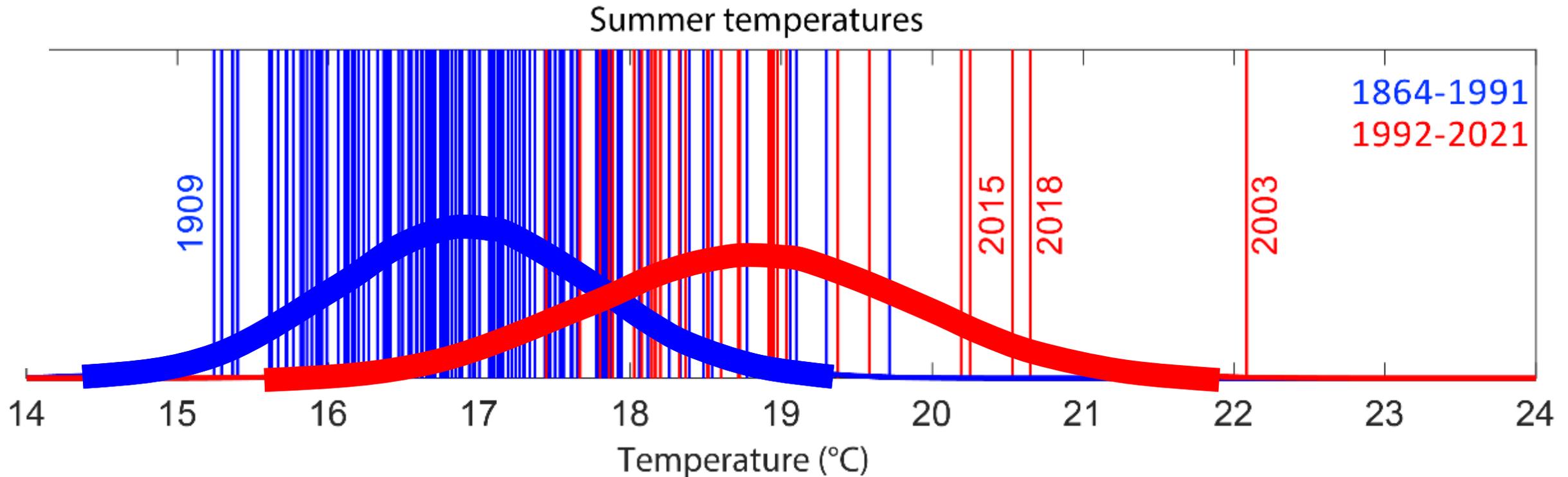


Rekorde sollten immer seltener werden



Vorhersage wird Realität

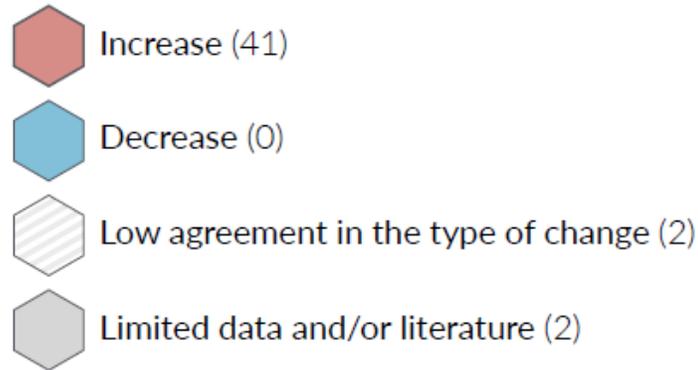
Mittlere Sommertemperatur



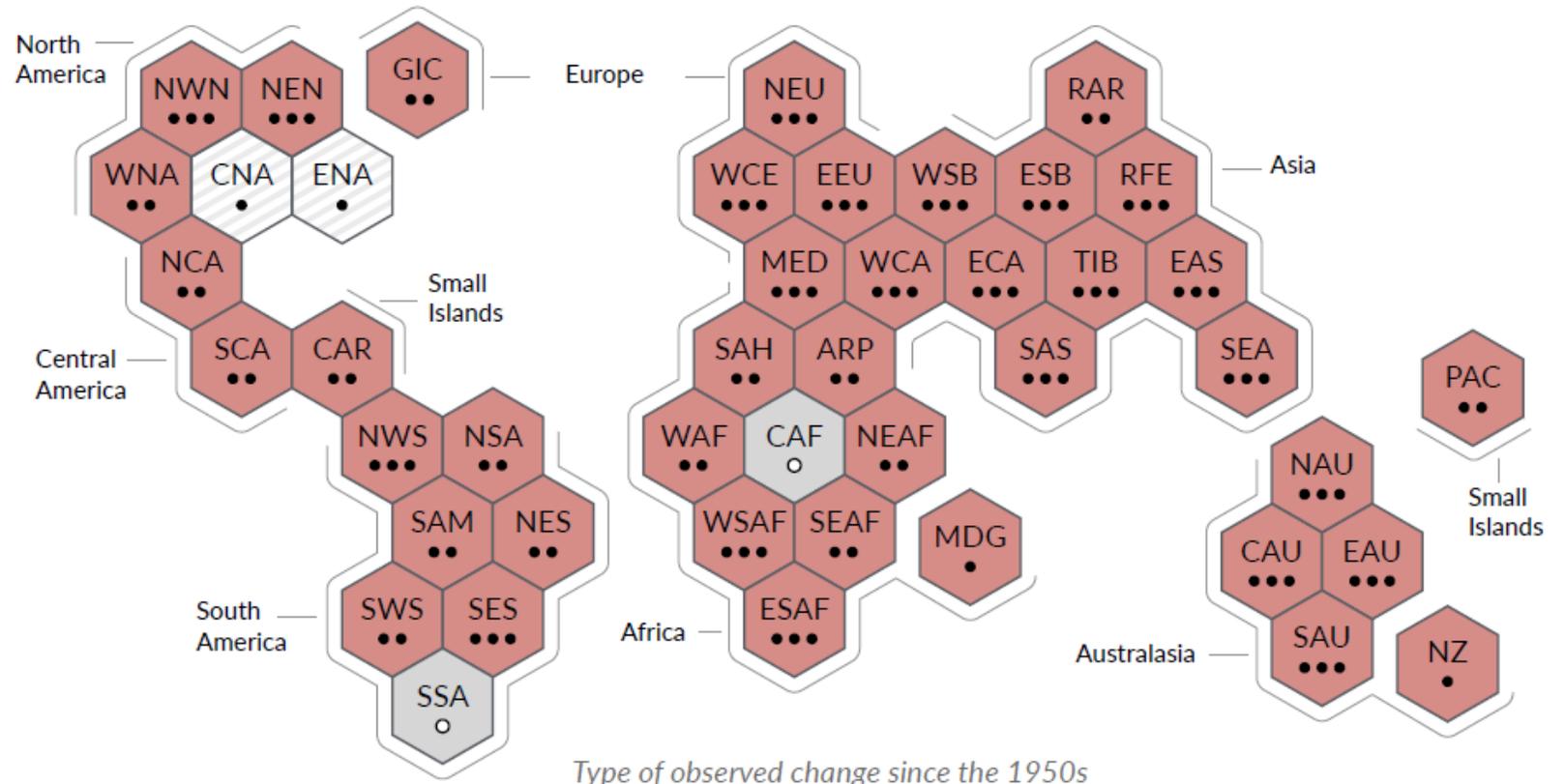
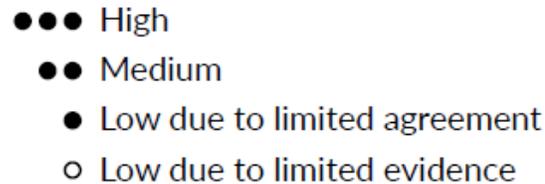
Hitzeextreme haben weltweit stark zugenommen

a) Synthesis of assessment of observed change in **hot extremes** and confidence in human contribution to the observed changes in the world's regions

Type of observed change in hot extremes



Confidence in human contribution to the observed change



Was bringt die Zukunft? Die Schweiz im Jahr 2060



Trockene Sommer



Heftige Niederschläge



Mehr Hitzetage



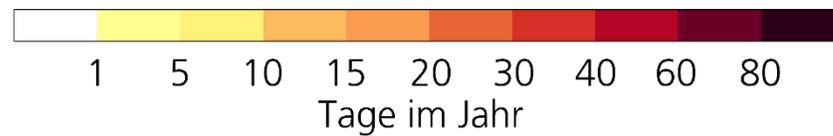
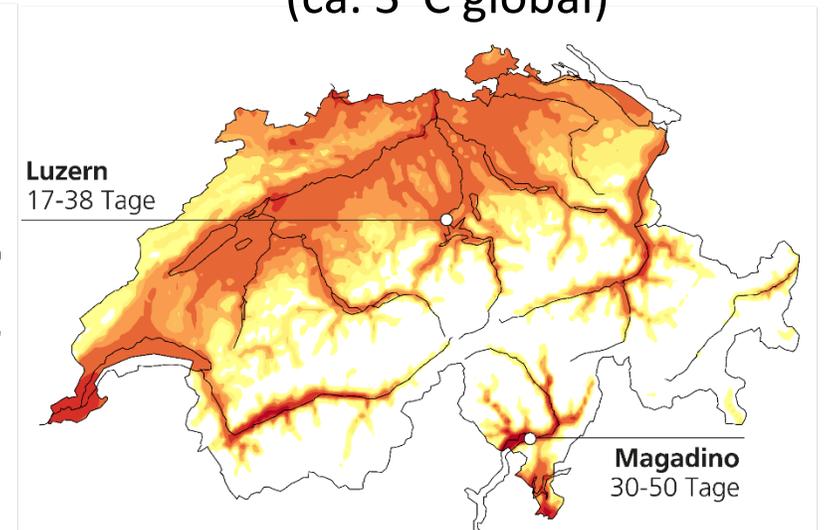
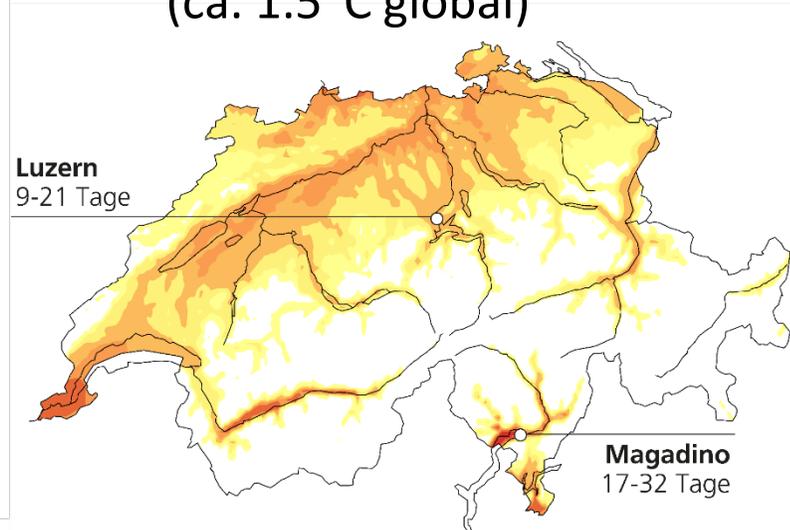
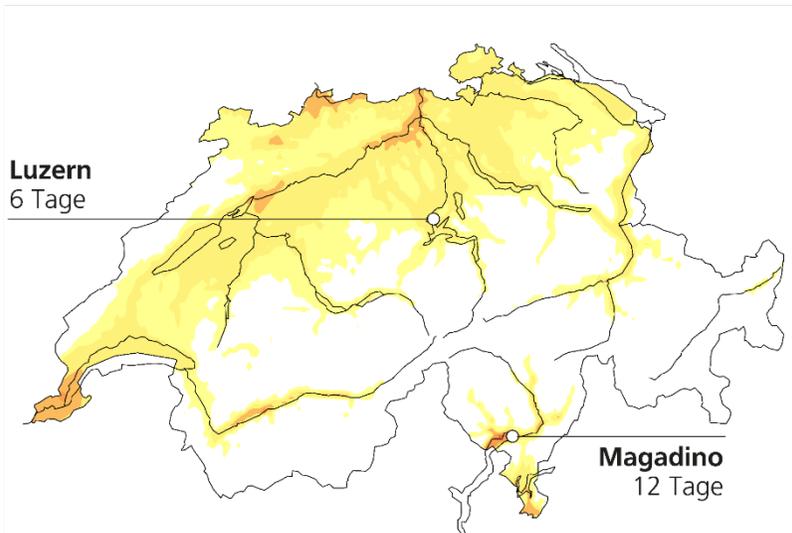
Schneearme Winter

Viel mehr Hitzetage in Ballungszentren

Heute

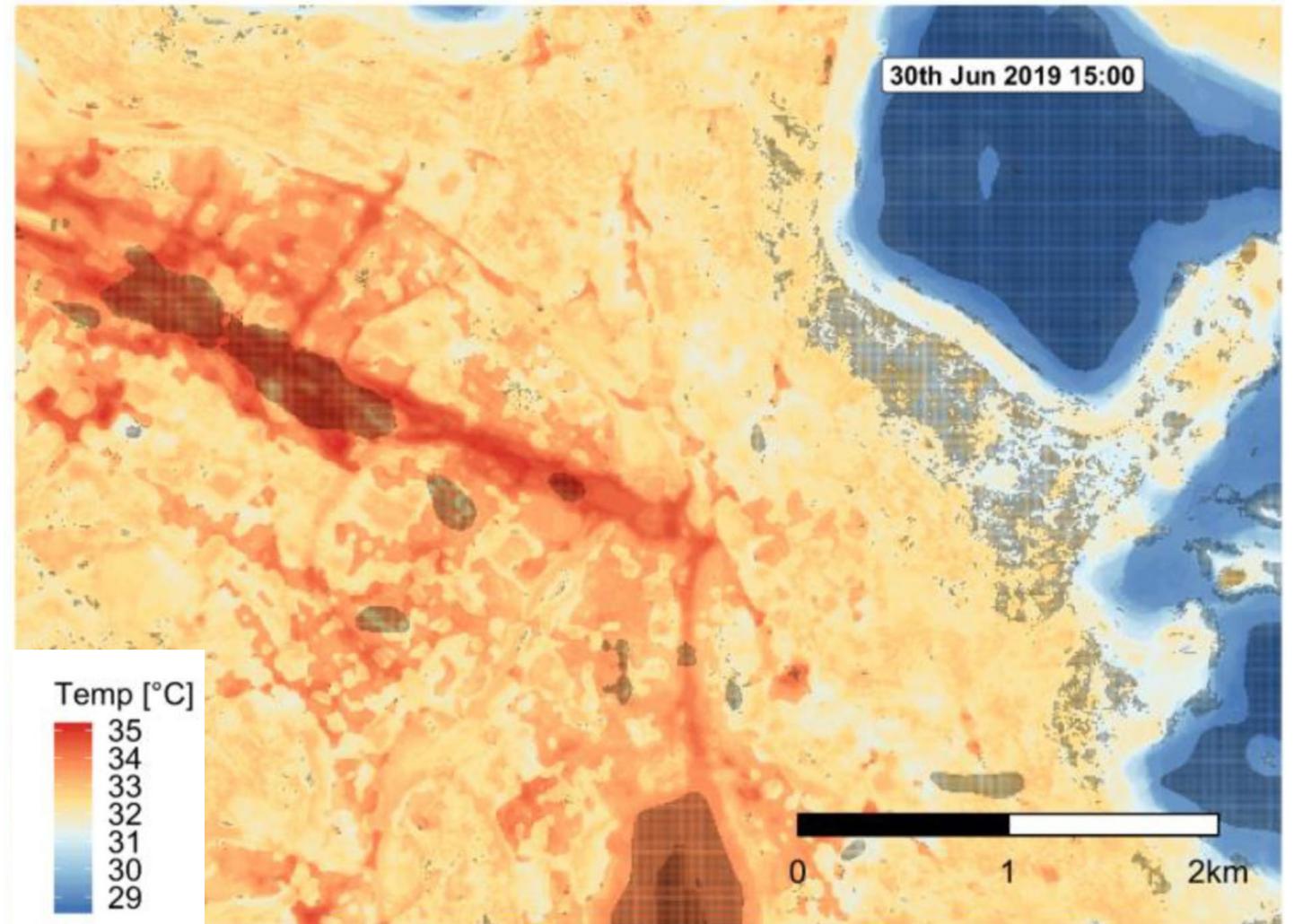
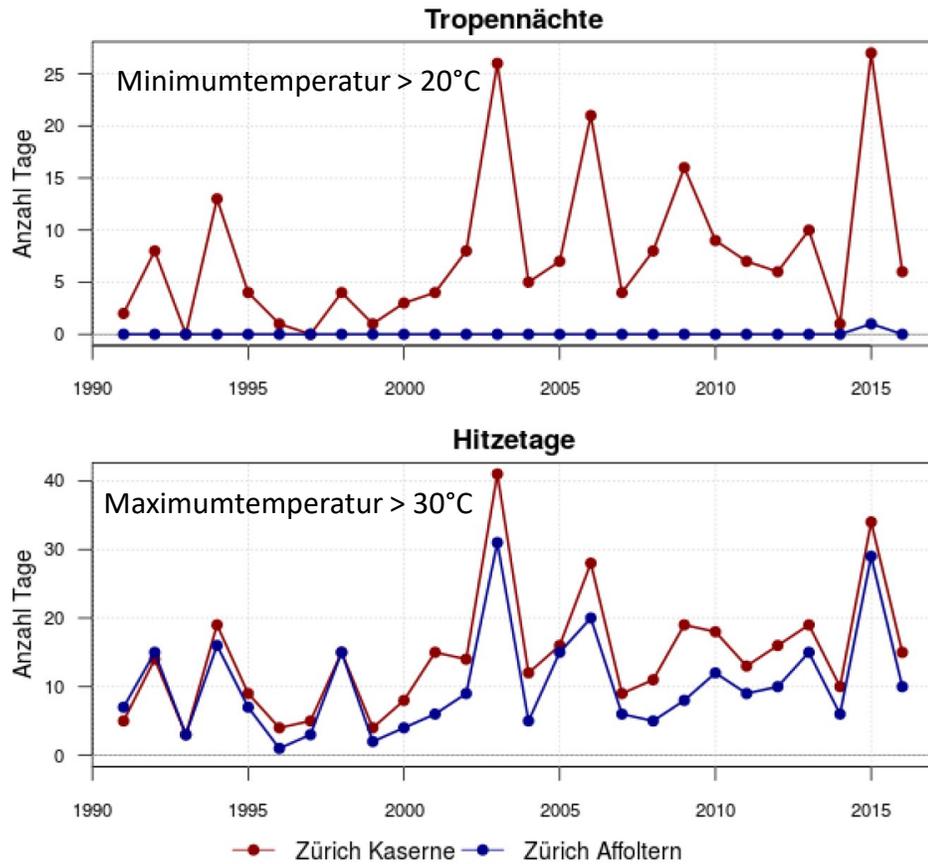
Konsequenter Klimaschutz 2060
(ca. 1.5°C global)

Ohne Klimaschutz 2060
(ca. 3°C global)



Anzahl Tage mit Temperaturen über 30 Grad Celsius

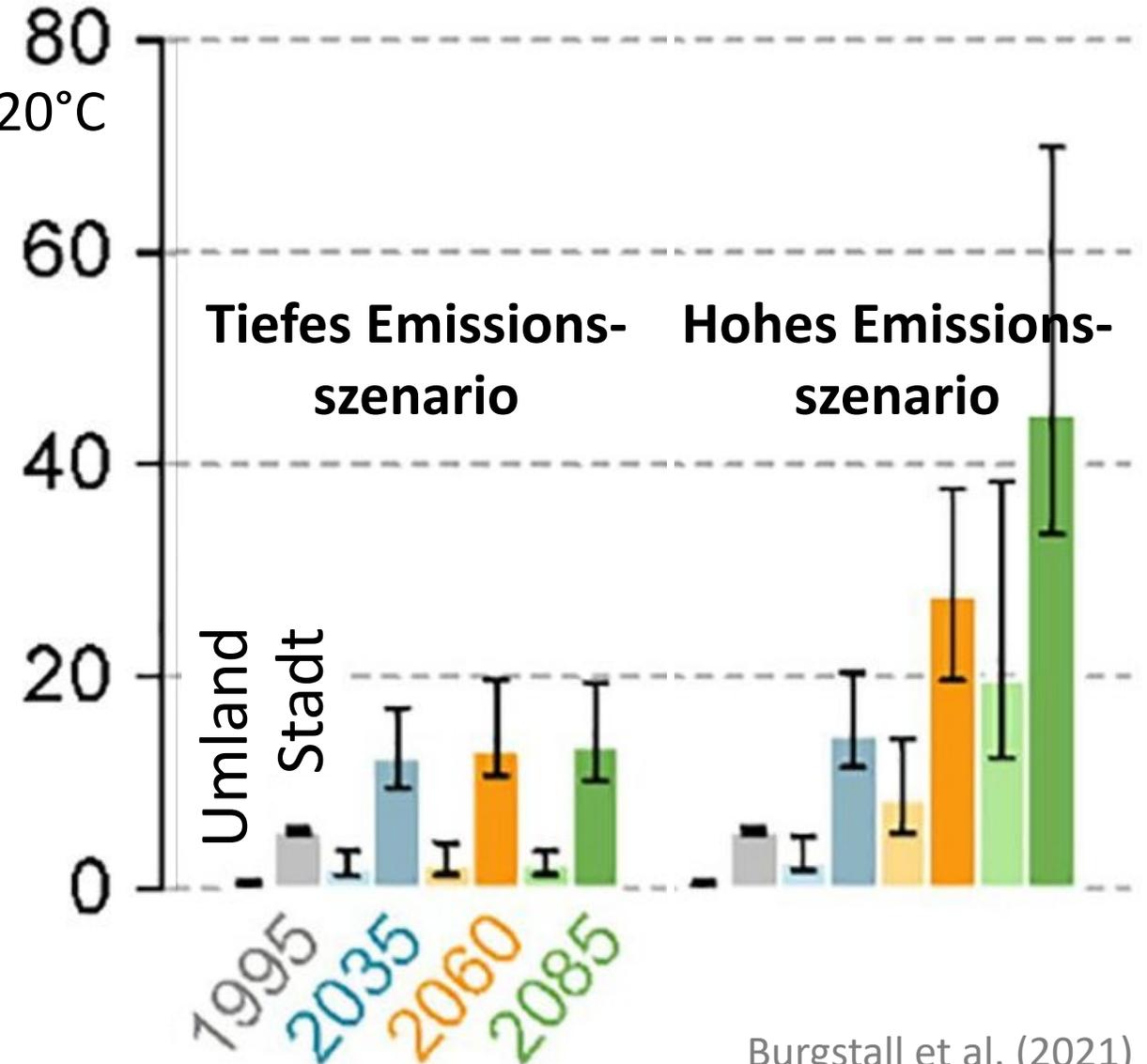
Städte sind Wärmeinseln



Tropennächte nehmen überproportional zu

Anzahl Tropennächte
Minimumtemperatur > 20°C
in Zürich

Die Anzahl sehr warmer Nächte
nimmt in Städten deutlich
stärker zu



Wüste Schweiz

Dürre-Rekord in der Ostschweiz

Jetzt beginnt das Notschlachten

Canicola estrema: “Proteggetevi!”

Fischsterben im Rhein: Nun finden
nächtliche Rettungsaktionen statt

LE TEMPS

Avec la sécheresse, les rivières
trinquent

Anpassung ist unerlässlich

Die Trockenheit macht Benzin teurer

Weil der Rhein wenig Wasser führt, steigen die Benzinpreise um vier bis sechs Rappen pro Liter.

On n'a pas fini d'avoir trop chaud en Suisse romande

*Le Valais et la région lémanique sont touchés par la canicule avec
des températures très élevées par endroits allant jusqu'à 35*

Spätester Hitzetag aller Zeiten

Zum ersten Mal seit Beginn der Aufzeichnungen wurden in der Schweiz im Oktober mehr als 30 Grad gemessen.

Schlussfolgerungen

- Hitzewellen und Hitzeextreme werden mit dem Klimawandel häufiger, intensiver und länger
- Städte und Ballungszentren sind hot spots
- Klimaschutz macht einen grossen Unterschied
- Anpassung ist nötig – auch heute schon und bietet neue Chancen