









#### A template for neighbourhood climate adaptation





2º Degrees: Design for Climate Adaptation

A collaborative Process for neighbourhood action By John Mongard

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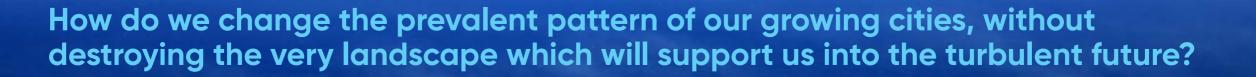
Kurilpa Climate Strategy: a collaborative process for neighbourhood action

#### This desert land

Indigenous Australians have known for millennia how to live without leaving a footprint on this land. Droughts, fires and episodic flooding were all part of their way of life. We need to relearn how to survive and thrive in even hotter and dryer landscapes... Where there are more frequent storms and flood events. Where we can also create local food.

(after John Williams, The Guardian, 4/10/19, p.28)

We need to relearn our landscape: its soil, its plants, its very nature. We will need to be self-reliant and resilient local communities, much like the old days. We need to learn how to nurture the landscape and create local food as if it really matters for our survival.



"We have squandered our fertile, high rainfall lands around our coastlines: instead of growing food, we have chosen to use these lands for urban sprawl, tourism and hobby farms. We have pushed out into an arid, infertile continent drained its rivers and cleared its fragile forests in order to make food in a place where there is high risk of failure and destruction."

(John Williams, The Guardian,4/10/19, p.28)

# Is this the city of the future?



Green Wattle Gardens, Burpengary, Qld Casey City, Victoria Craigmore, Adelaide, SA

Glenmore Park, Western Sydney, NSW

Large houses + small lots + less garden = heat stress + big carbon footprint + waste + lost nature

= 2 degrees +





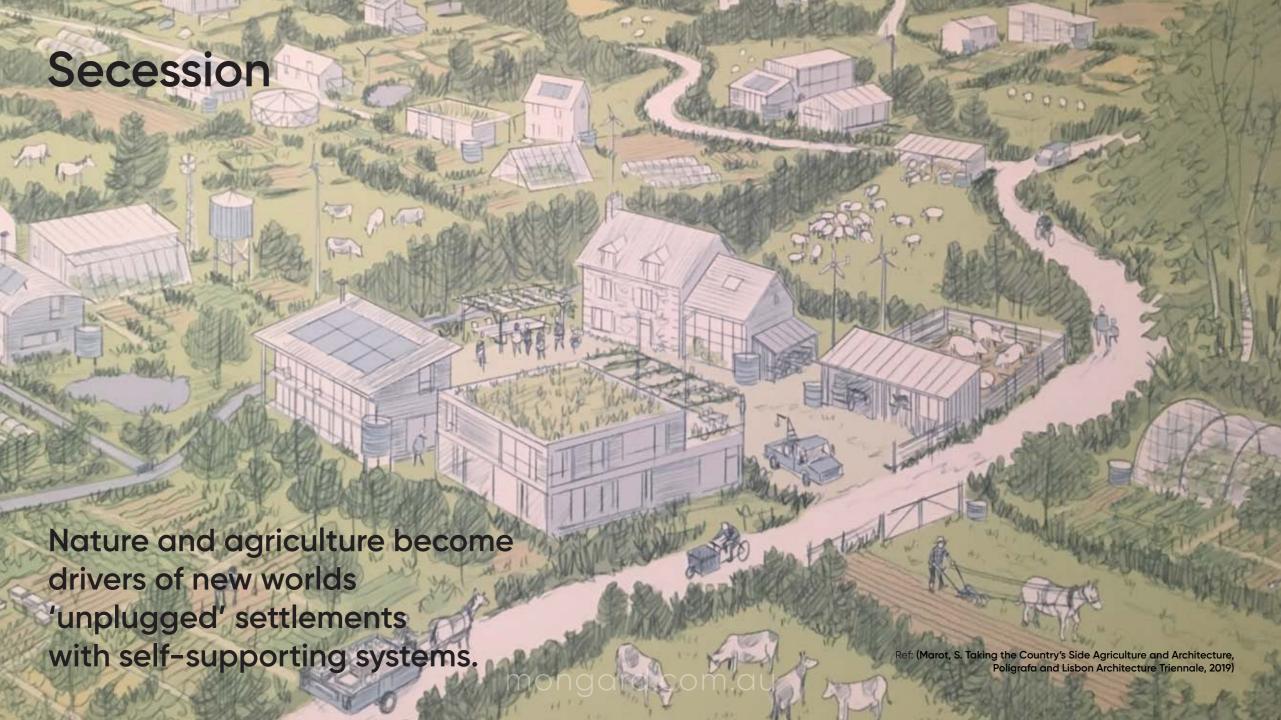














# Copenhagen: Zero Carbon by 2030



#### Heat strategies

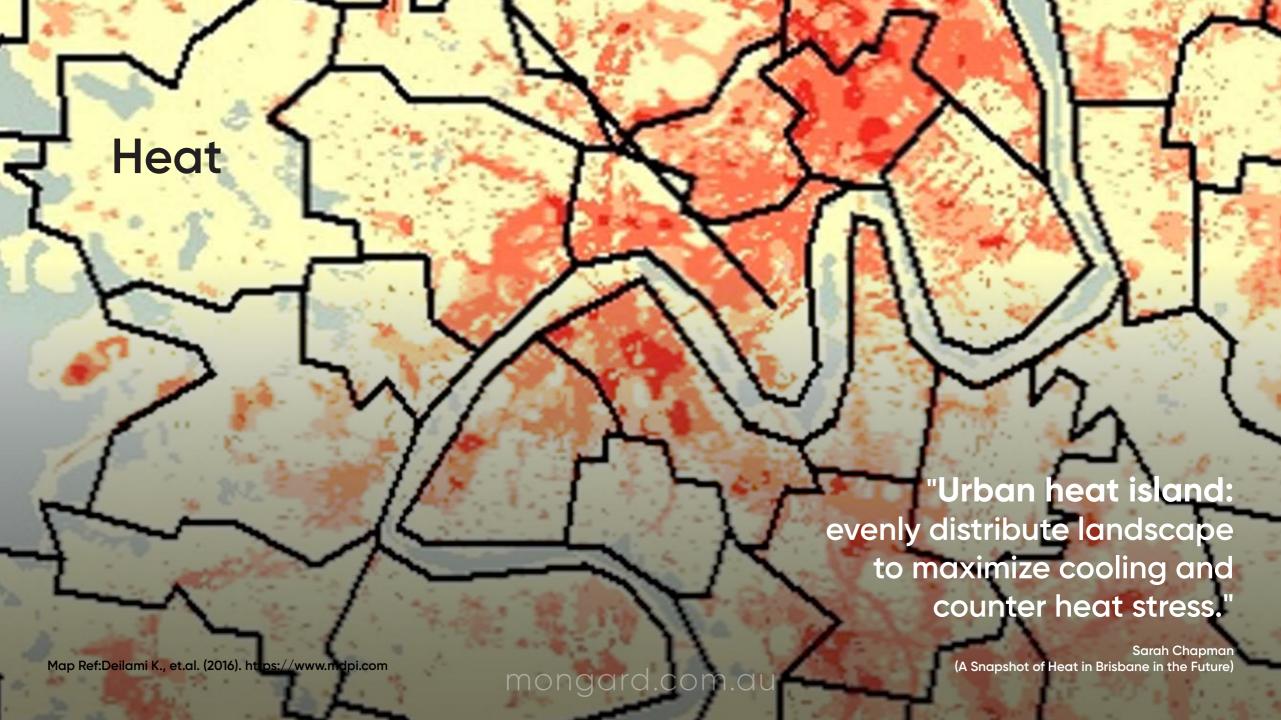






2°C Summer heat reduction through: 30% soft / natural / permeable landscape areas in cities 35% cool paving

(www.lowcarbonlivingcrc.com.au)





### Heat + Water + Landscape + Food =

#### **Green Space Strategies:**

Through community action in the next ten years we can draw down carbon by creating green space plans throughout Australia.

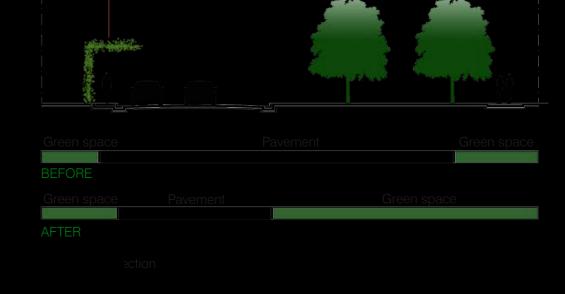
#### 11 hectares:

Underutilized crown land in the Kurilpa neighbourhood that could be re-purposed into green space and biodiversity areas.

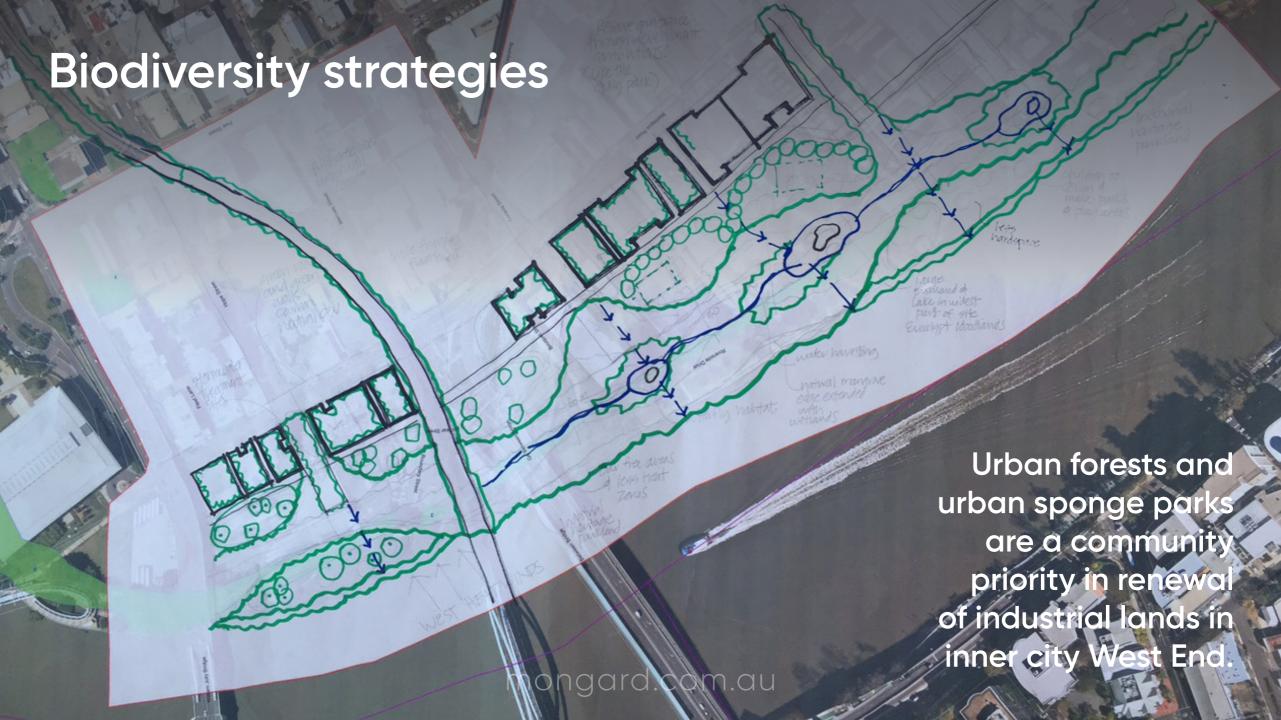


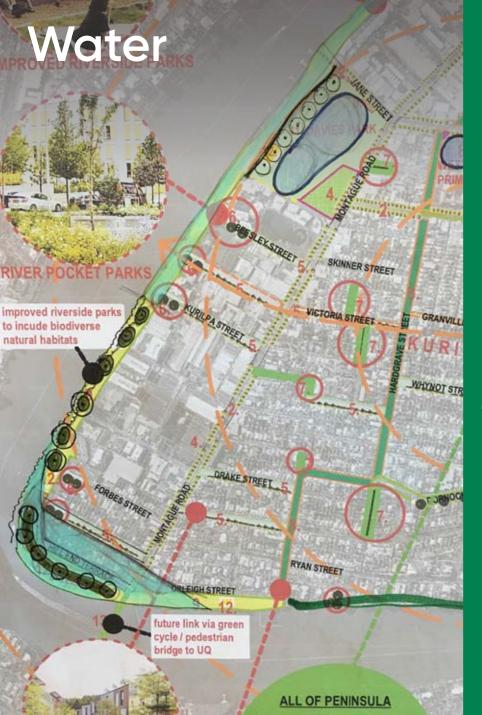
# From Hampstead Road to Hampstead Common:

1Ha new green space









The Blue & Green
Strategy in the
The Green Space
Plan identifies ideas
for managing local
flooding in the West
End peninsula.





#### **Brolga Lakes**

71 hectares of degraded land

50% for Koala conservation areas

90% of development area to regenerated landscapes

100,000 trees grown on site nursery



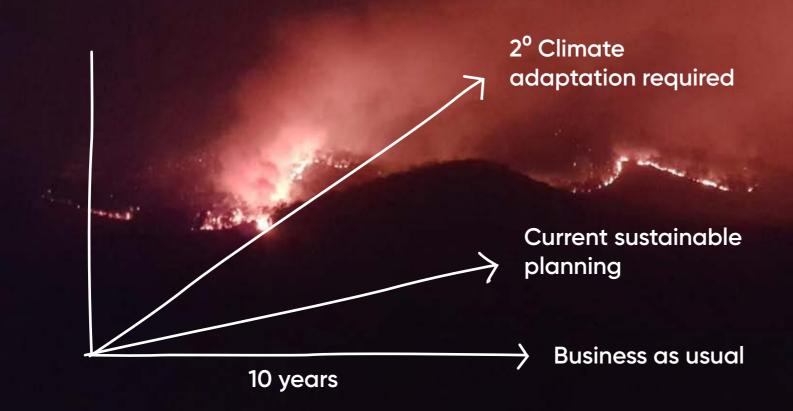








# Shifting climate / shifting places: Design led or disaster led?



A transformational shift in planning and design is required now