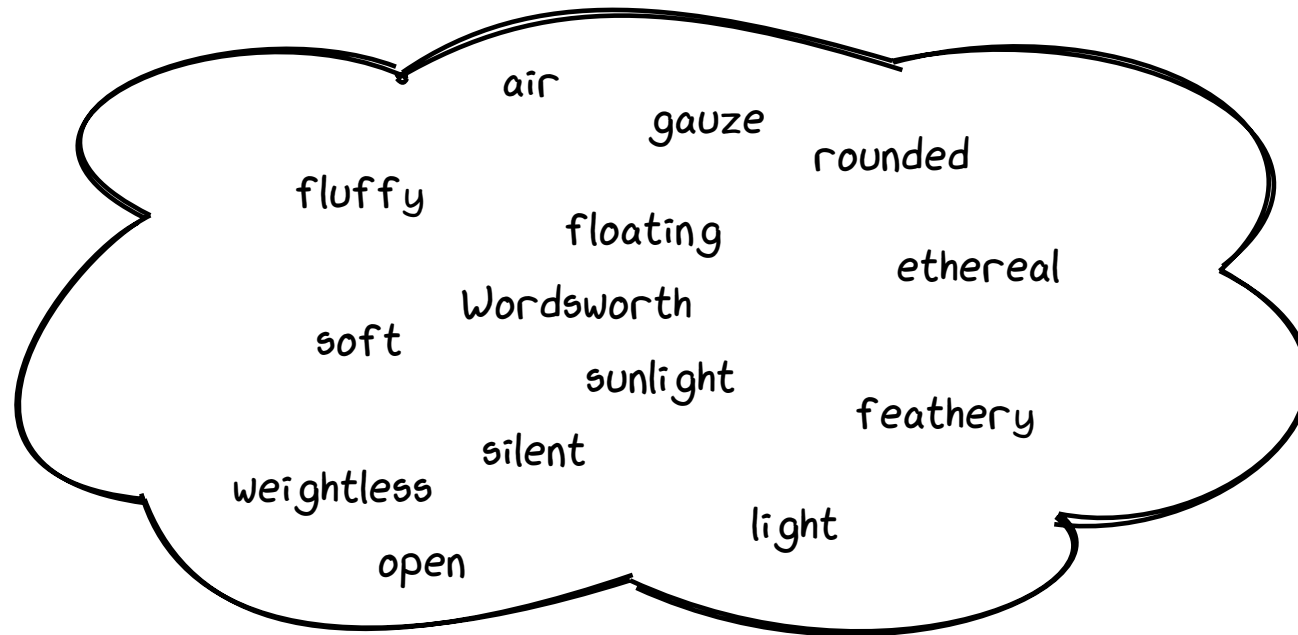


# THE BOTTOMLESS DATACENTRE



sustainable cloud computing

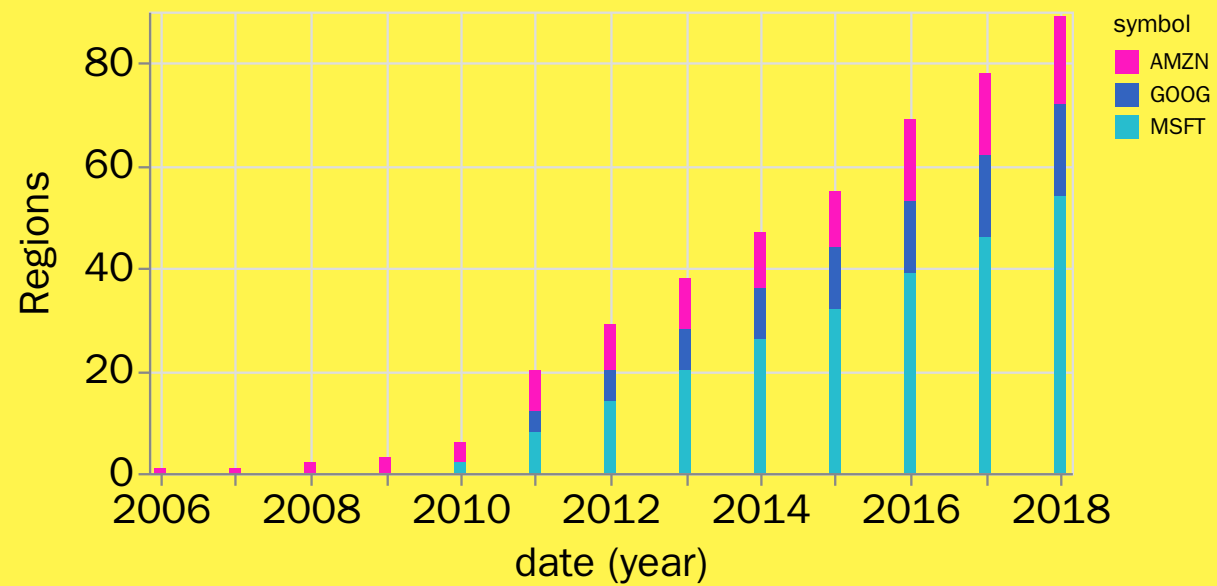
# NEWSPEAK



# TRANSLATION

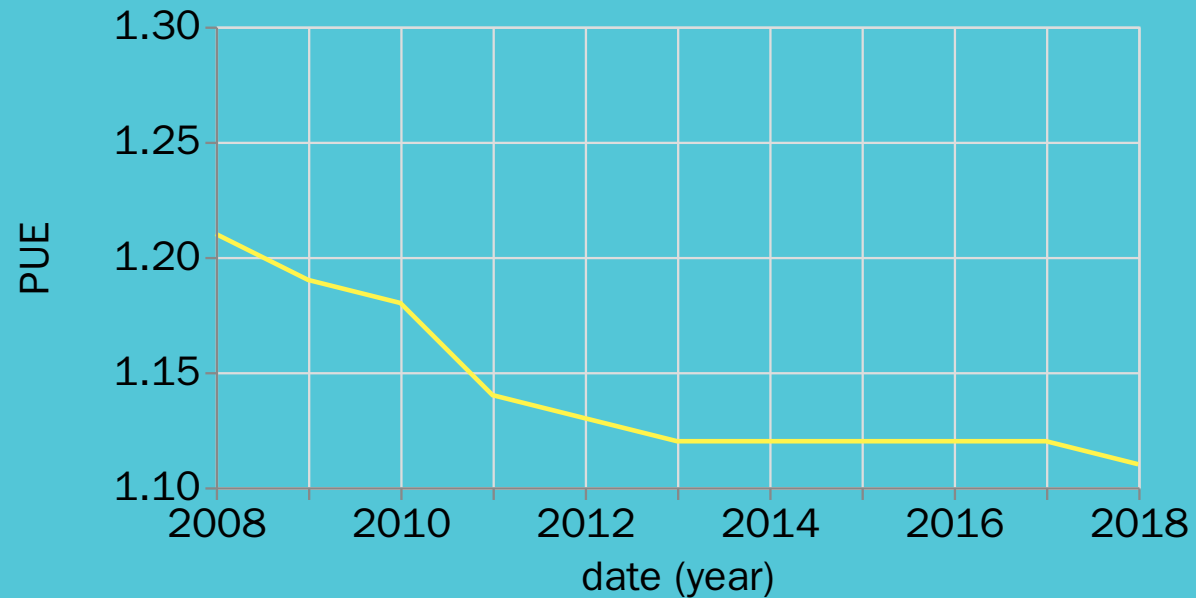
barbed wire  
cooling fans  
rectangular  
industrial  
warehouse  
heavy  
security  
rows of racks  
artificial light  
unsightly  
physical infrastructure  
box  
cables  
metal  
blinkerlights  
electric hum

# COMPUTE-1 AND UP



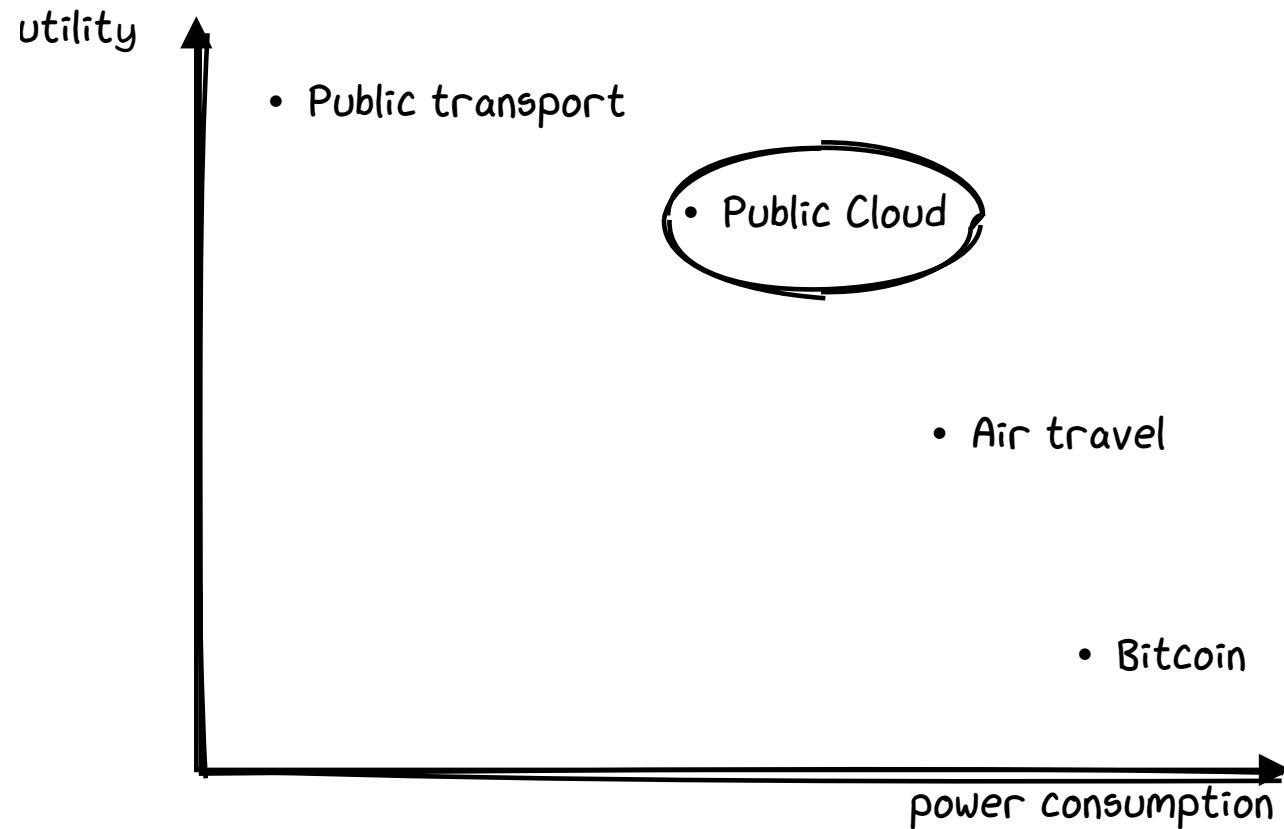
# INCENTIVES

$$\text{PUE} = \frac{\text{Watts in}}{\text{IT watts}}$$



Power usage effectiveness data by [Google Data Centers](#)

# ENERGY MIX



# PHOENIX CI

```
FROM golang:1.11.1 as builder
WORKDIR /go/src/github.com/gerald1248/k8s-network-policy-viewer/
COPY * ./
RUN go mod download && go get && go vet go test -v -cover && \
    go build -o k8s-network-policy-viewer .
```

```
FROM ubuntu:18.10
WORKDIR /app/
EXPOSE 8080
COPY --from=builder ../k8s-network-policy-viewer /usr/bin/
USER 1000
CMD ["k8s-network-policy-viewer", "-s=true"]
```

AND ON