

# #BritainBreathing





- Original App
- Citizen Sensors
- Released in 2017, using Ionic Framework
- Needed Updates
  - GDPR
  - Metadata

## BRITAIN BREATHING UPDATE CHALLENGES

- No documentation by previous developer.
- Ionic Framework version outdated.
- How do we release the update?
- Android Keystore for signing apps corrupted.
- **iOS** convoluted testing process.

Issues arising were used to inform the design of the new Mobile Development Service.

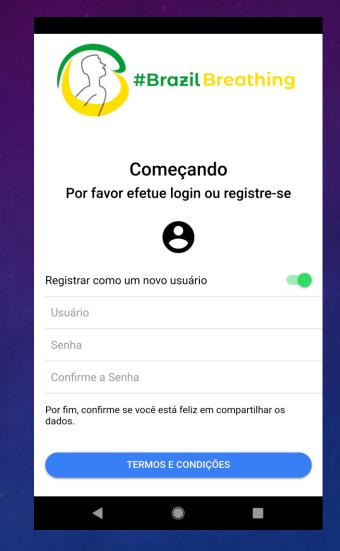
More info in Adrian's talk.





## TRADUÇÃO

- App Localisation
- Language Portuguese
- Icon changes, to reflect Brazilian colours.
- Registration changes.



**Meus Sintomas** 

Como você está se sentindo hoje?



Bem



Mais ou menos



Mal

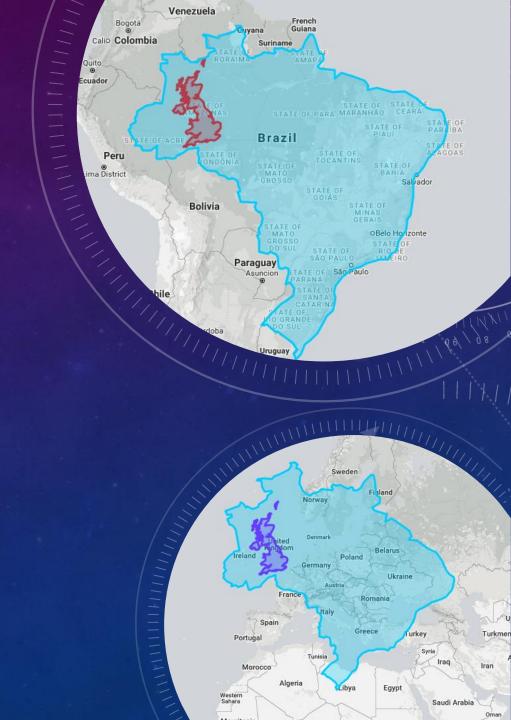


## DEEPER UNDERSTANDING

- Added metadata points
- e.g. splitting up allergies and respiratory problems
- Track "How Are You Feeling?"
- Richer picture of research participants, and how they are affected separately by each type of symptom

## MISSED CONNECTIONS

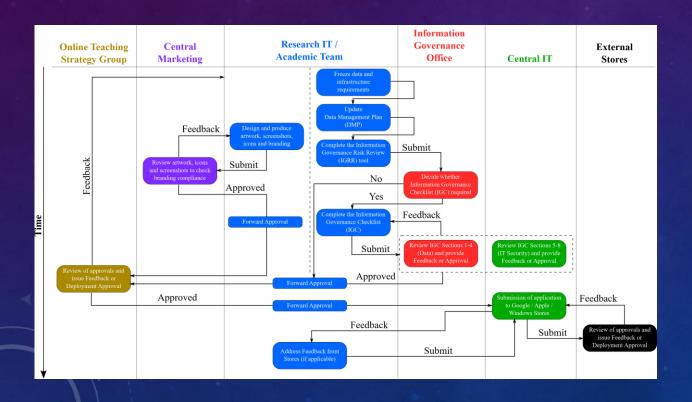
- Brazil is a large country, like, VERY LARGE.
- Diverse environments, cities of Rio de Janeiro, Sao
  Paolo to Araucaria rainforests of Paraná.
- Infrastructure isn't consistent across the entire country.
- Environmental differences
- Solution store the data locally, then when there is a connection send all of them in order



### BRAZIL BREATHING — RELEASE

#### **Central IT Release Process**

 Difficult to navigate, not geared towards research needs.



#### **RIT Mobile Development Service**

- Working to establish variations on the central process.
- Simpler, efficient, fit-for purpose.
- Integral part of the new service.

## LESSONS LEARNT

- Maintenance Maintenance, Maintanance.
- Not Easy
- Battle with software and hardware.
- Release of app is time consuming., and often unaccounted for.

Lessons learnt have been central in defining the new Mobile Development Service.

Addresses previous issues in documentation, processes and tooling.



### MANY THANKS

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#### Links

- thetruesize.com (comparing countries)
- pexels.com (free, high quality, stock photos)
- broadlygenderphotos.vice.com (stock photo library featuring images of trans and non-binary models)