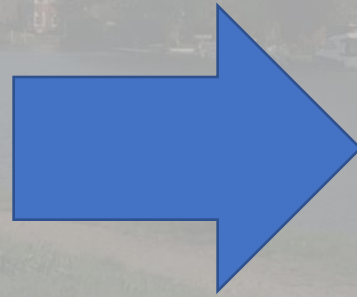


# Thames Monitoring Project

University College London & Thames Estuary Partnership

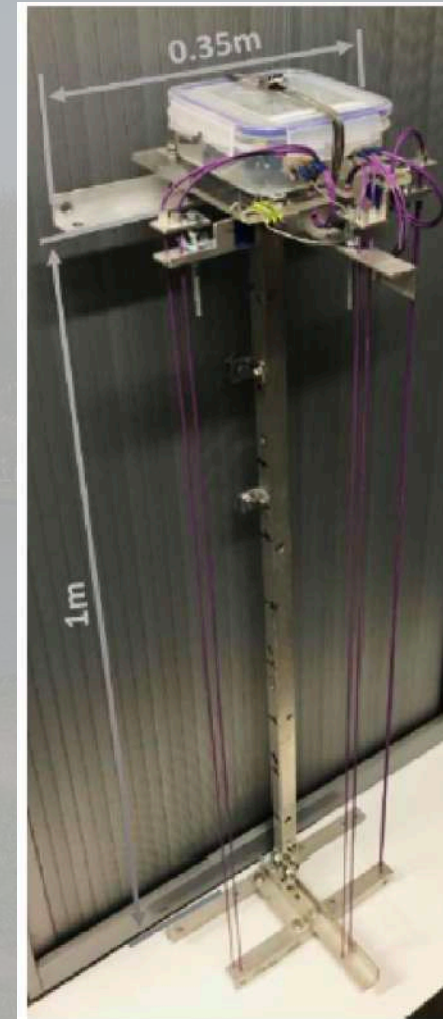
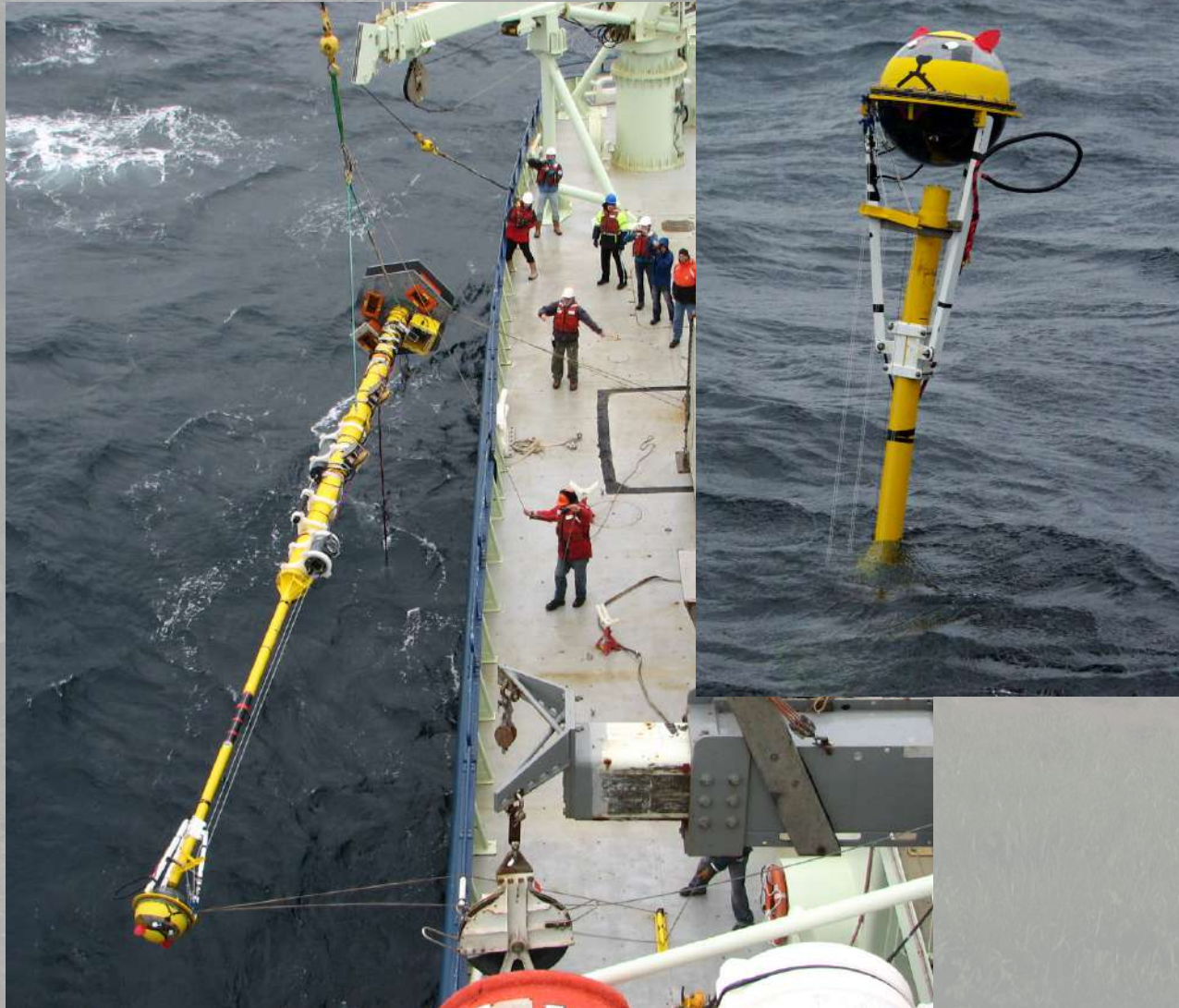
Helen Czerski, Amy Pryor, Eve Sanders, Julia Lanoue,  
Konstantinos Tassinis, Sarah Bell  
Agamemnon Otero, Charlotte Barrow

# Wash on the Thames



- Other monitoring?
- Open data?
- Info for citizens?
- Integrated measurements?

# North Atlantic Expedition 2013

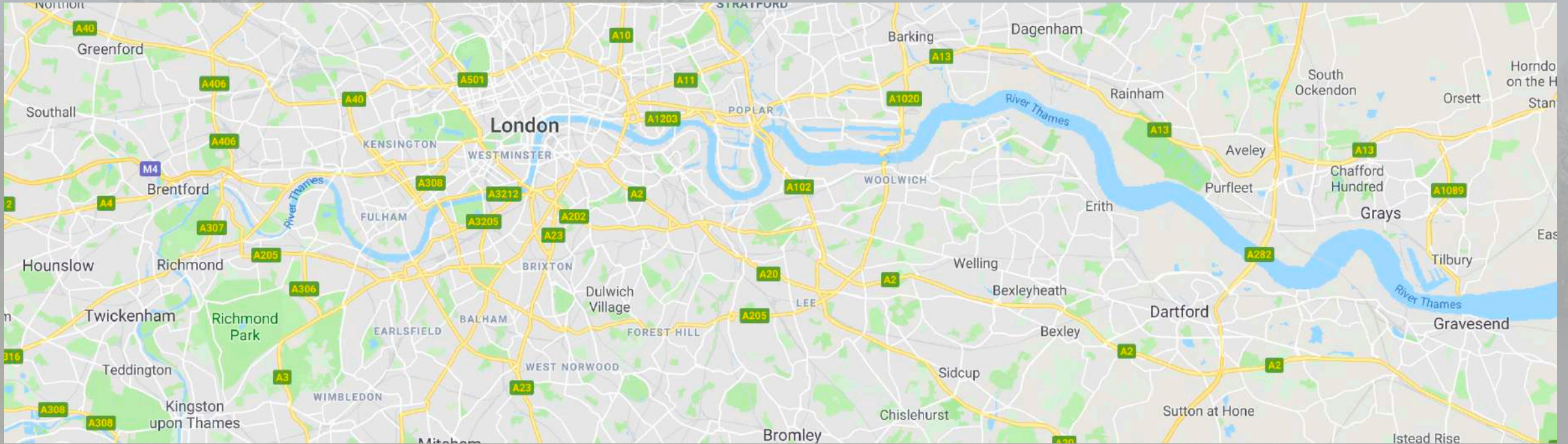


(a)



(b)

MSc project by Stephen Rowe



Wouldn't it be a positive step if...

- there were permanent monitoring sites that everyone could use?
- there was a central place to share everyone's data?
- the data was open to everyone?
- citizens were better connected to the tidal Thames?

# Engineering and Physical Science Research Council Knowledge Exchange Funding 2018-19

## Monitoring waves/wash

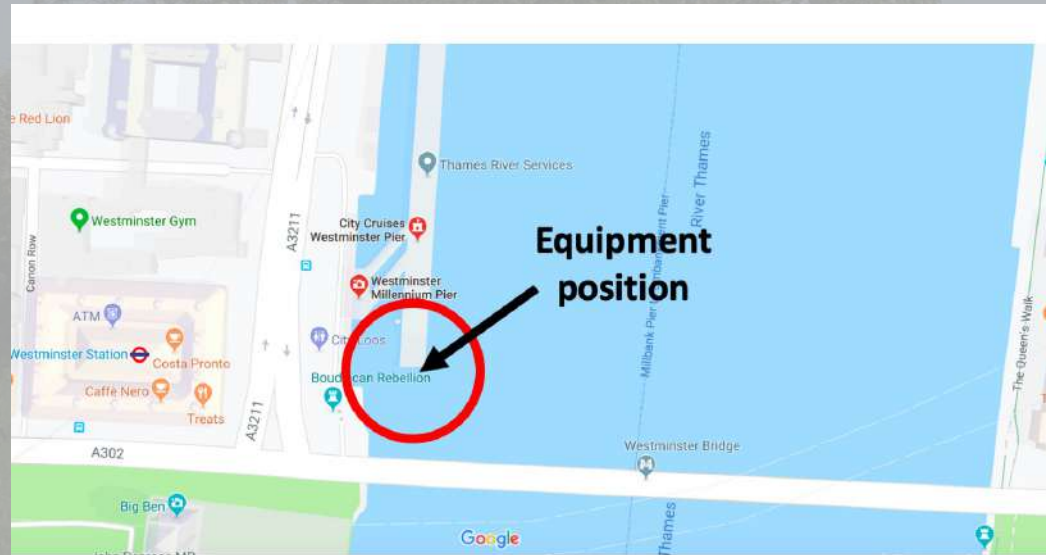


## Building a network...

- Existing experts on the Thames
- Potential experts
- Citizens
- Conservation groups/NGOs
- Businesses
- Data repository

What science can we do together  
that we can't do separately?

# Westminster Pier



# Blackfriars Pier



## **Our sensors this summer**

- **Waves/wash**
- **Temperature**
- **Salinity**
- **Dissolved O<sub>2</sub>**
- **Tide**
- **Cameras**
- **pH, EC, ORP, TDS**

## **Potential partner sensors this summer**

- **Turbidity**
- **Pesticides/pharmaceuticals**
- **Chlorophyll**
- **Wind speed & dir**
- **Suspended sediment**
- **Microplastic composition**

## **Longer term measurements**

- **Acoustics**
- **Currents**
- **Blue-green algae**

**Areas to work on: open data repository, measurement protocols, visualizing the data**

## **Long-term aims...**

- **Ten measurement sites, along the length of the tidal Thames**
- **Robust measurement sites, open to any researcher on condition that data is shared in a suitable format.**
- **Collated data in a standard format, accessible to scientists, citizens, businesses, conservation groups**
- **This is about science & high quality data, not specific issues.**