

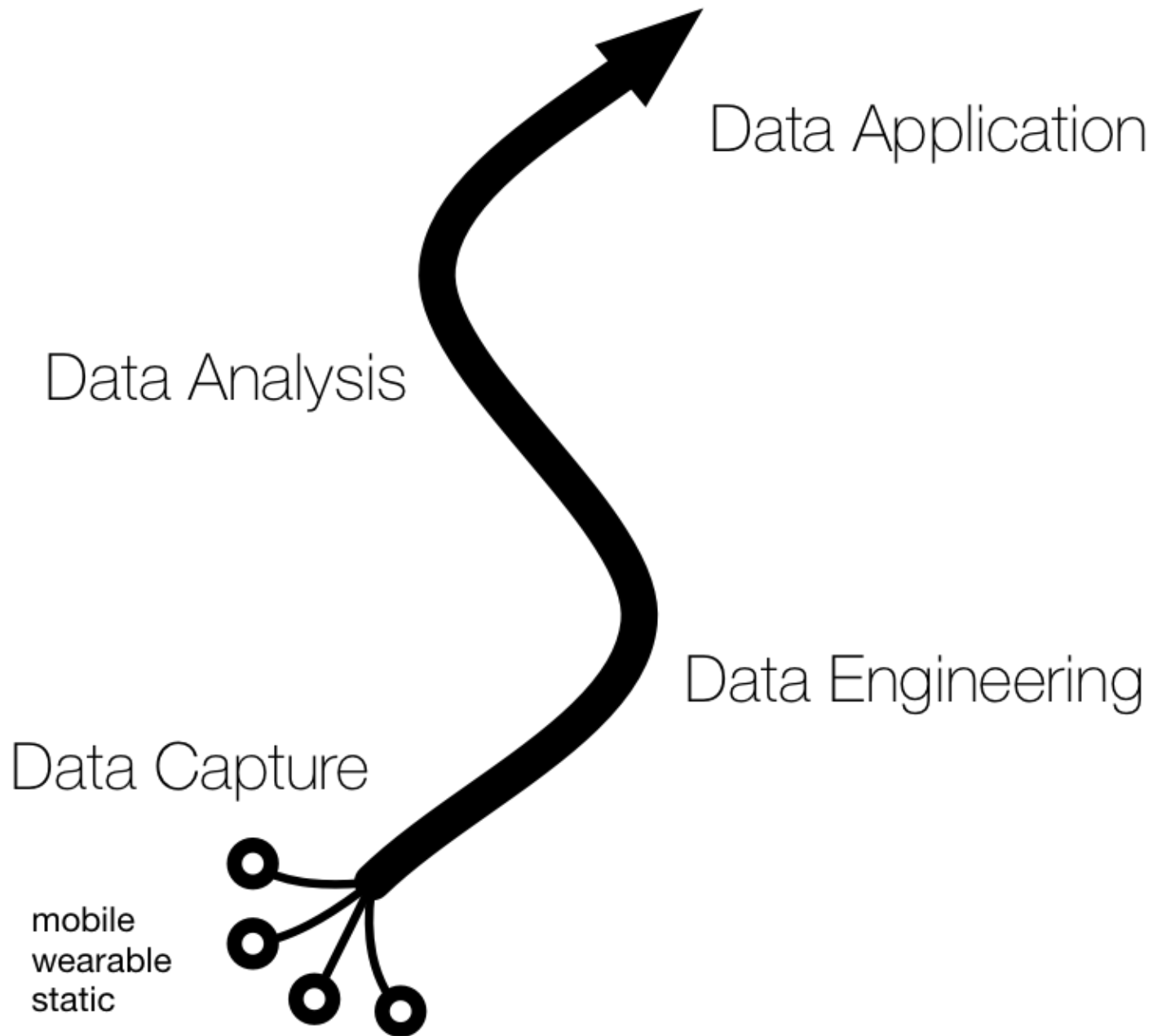
IoT Research Programme

Paul Patras & Ewan Klein

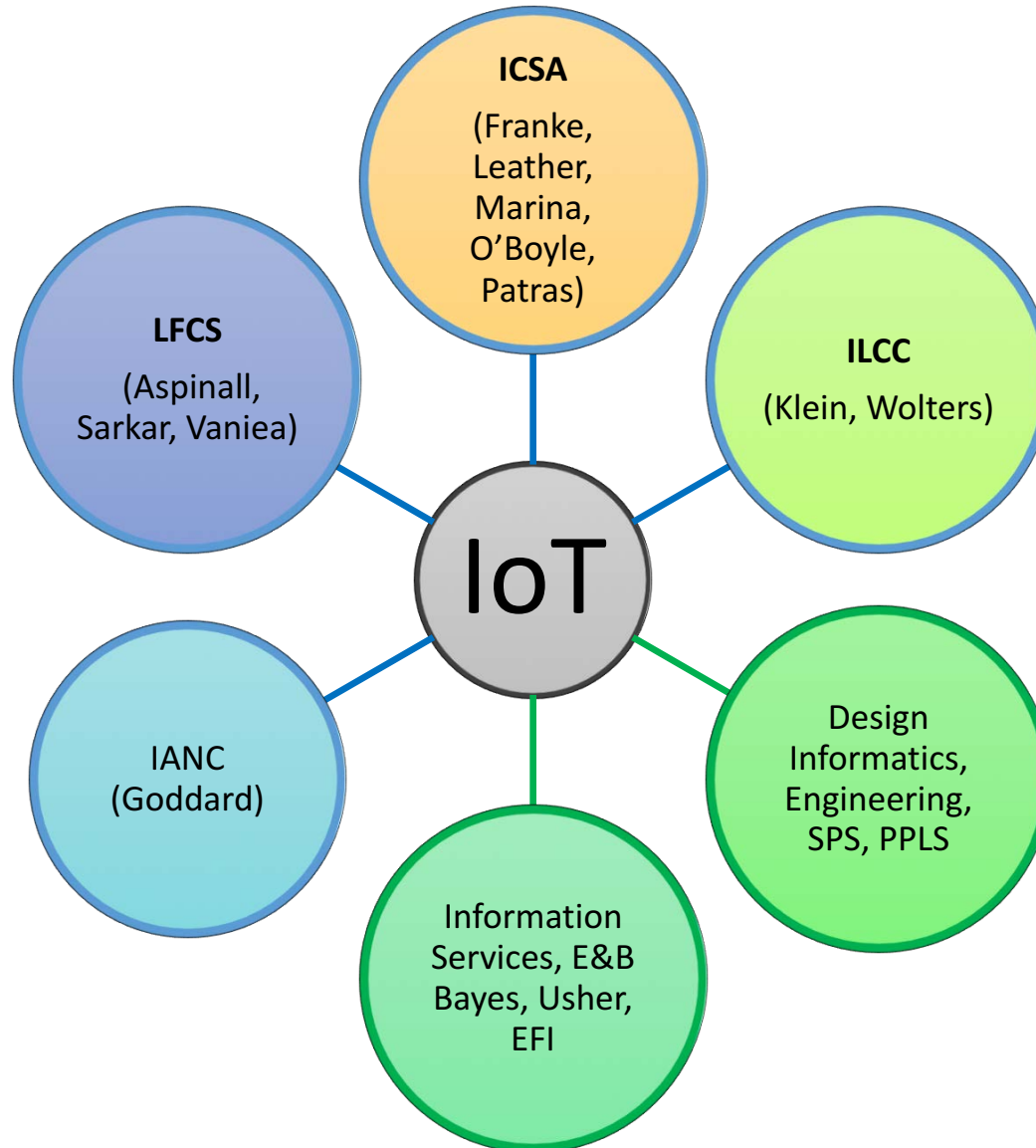


Bringing together expertise in

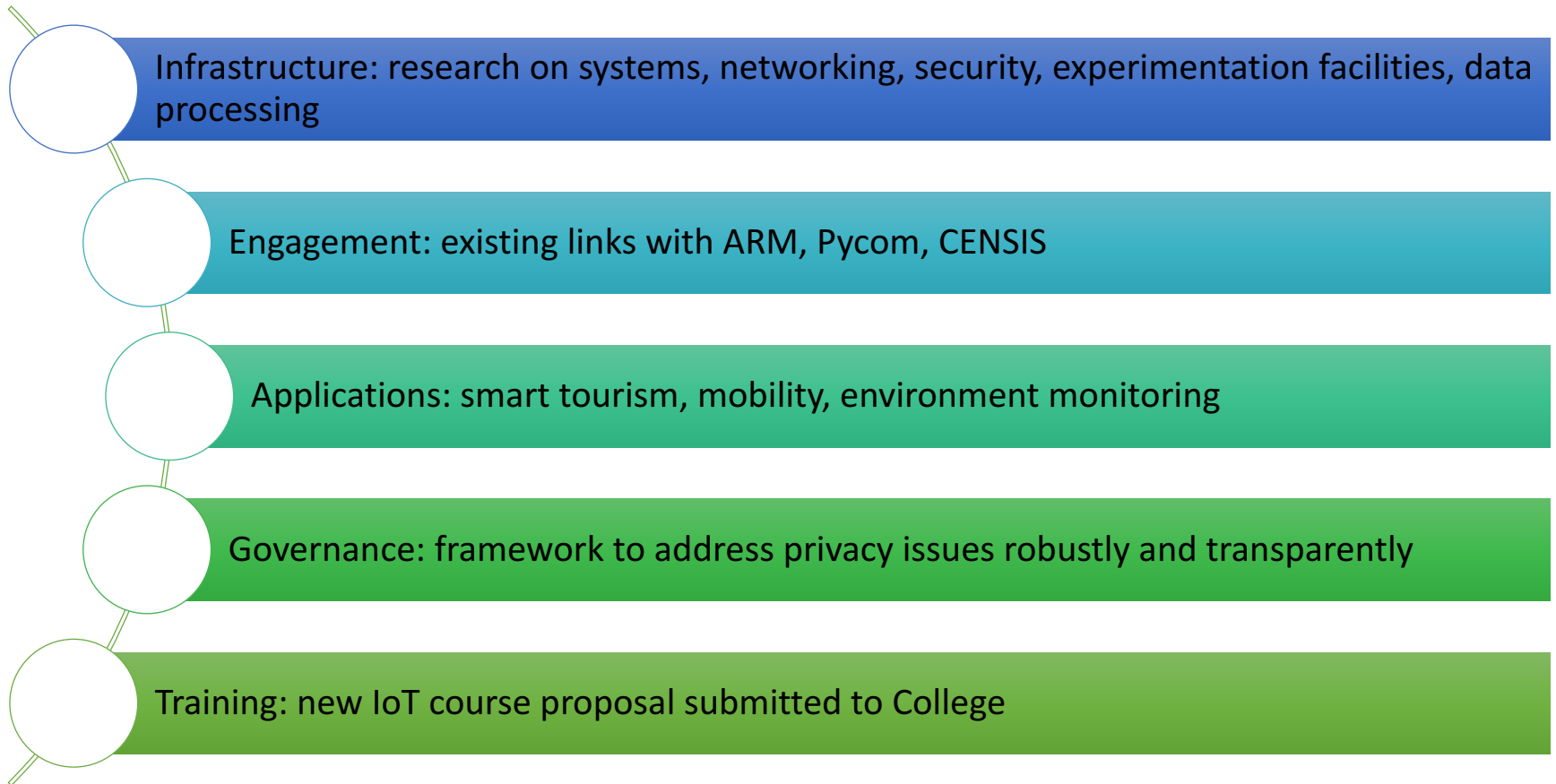
- embedded systems
- compilers
- wireless networks
- security, privacy and ethics
- data science and data visualization
- applications and living lab methods



Collaborations and connections

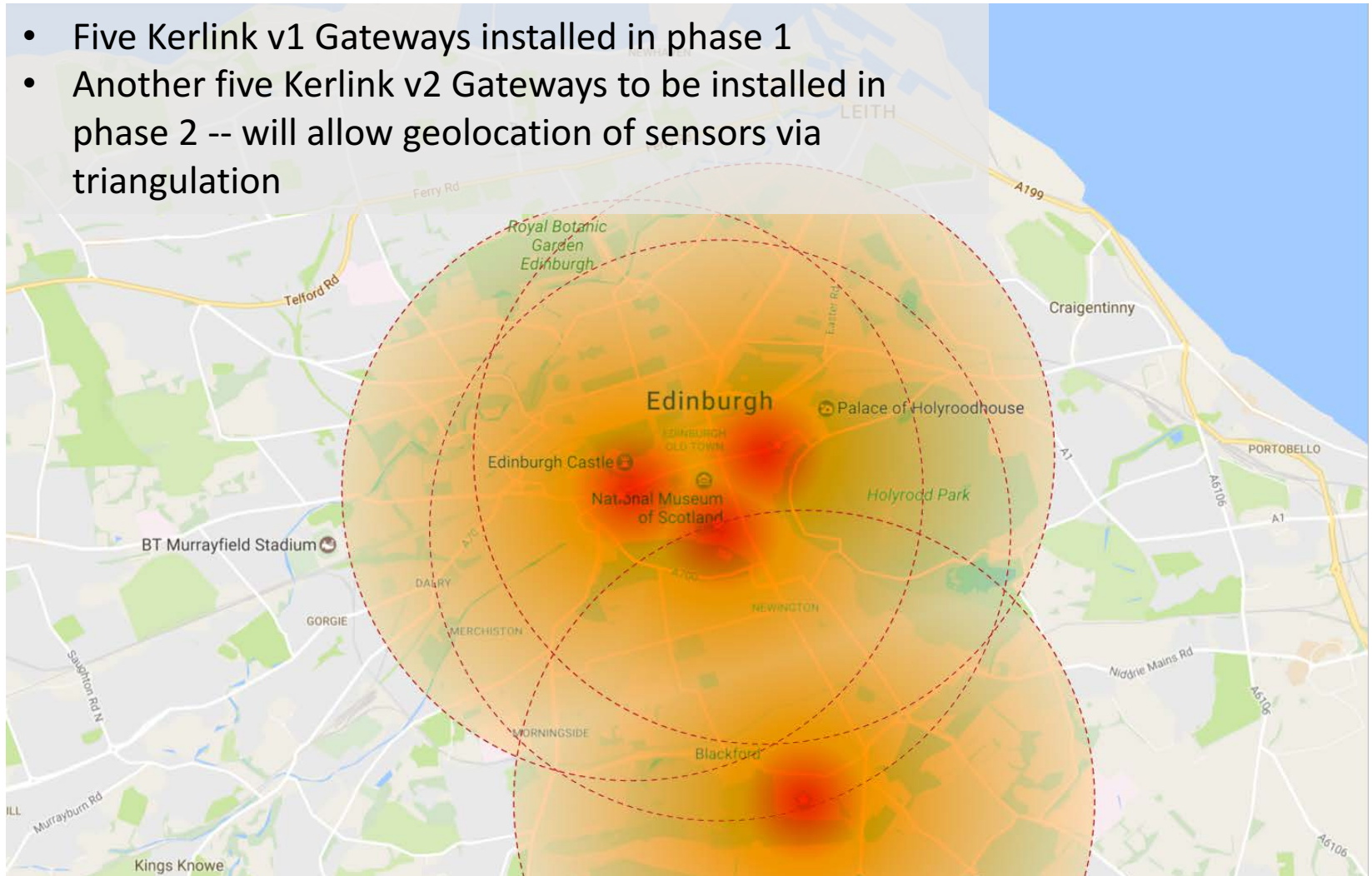


Themes



Current LoRaWAN installation

- Five Kerlink v1 Gateways installed in phase 1
- Another five Kerlink v2 Gateways to be installed in phase 2 -- will allow geolocation of sensors via triangulation



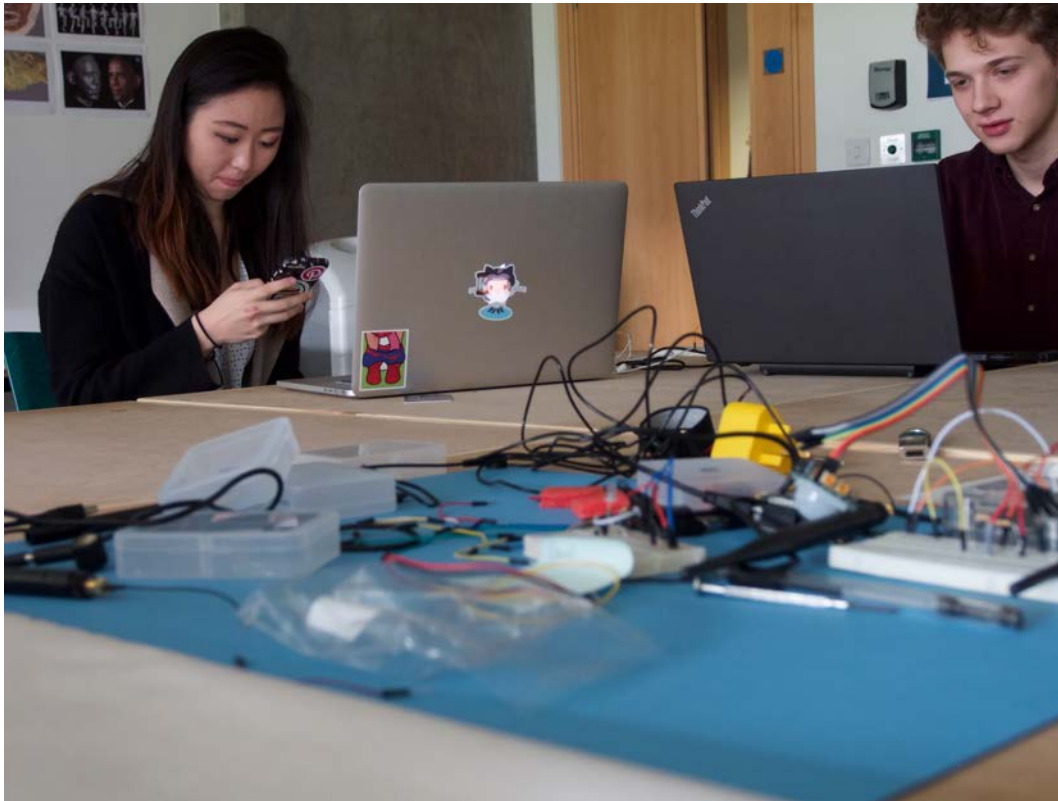
UoE IoT Programme: Strategy

- To enable and support world-class research, teaching and innovation through the development and use of IoT technology
- To promote the University and City Region as a world-leading 'Living Lab' for proof of concepts with the potential to generate significant social, commercial and academic value
- To help enable the University to capture and generate value from the application and use of IoT technologies in future service delivery and operations

First steps for Informatics IoT RP

- Strengthen links with industry
- Fortnightly seminars (Tuesdays, 4.00 pm)
- Workshops for community building, training, scoping
- Small-scale IoT pilots (LoRaWAN network)
- Cross-institute and cross-school funding bids

IoT Challenge, Festival of Creative Learning 2017



20 students / 5 days

Organised by David Richardson

Challenges & prizes from

- Transport for Edinburgh
- Edinburgh International Science Festival
- City of Edinburgh Council
- Pycom

Led to new student society:
Embedded and Robotics Society
(EaRS)

Getting involved

Subscribe to the mailing list:

<https://mlist.is.ed.ac.uk/lists/subscribe/iot>

Volunteer to present a recent paper related to some aspect of IoT: email Paul Patras <ppatras@inf.ed.ac.uk>

Suggest ideas and help expand University IoT web presence: <http://iot.ed.ac.uk> (also has clickable link to mailing list)