# SMEs in IMI/H2020 projects

**Bio-Europe 2018** 

Nick Lynch CTO Open PHACTS Foundation Founder Curlew Research







- -Open PHACTS was developed to support the key questions of drug discovery -Open PHACTS project 2010 to 2016 (5 years plus extension)
- -Now a Foundation with membership model
  -Life Science Business questions have been at the heart of Open PHACTS and have driven the development of the platform

# -Current Open PHACTS IMI/H2020 Involvement in:

- Big Data Europe (BDE) finished
- EuToxRisk with partners
- Unsuccessful bid in Federated AI in Drug Discovery
- FAIRPlus consortium member
  - Project starting Jan 2019

#### -Current Curlew Research IMI

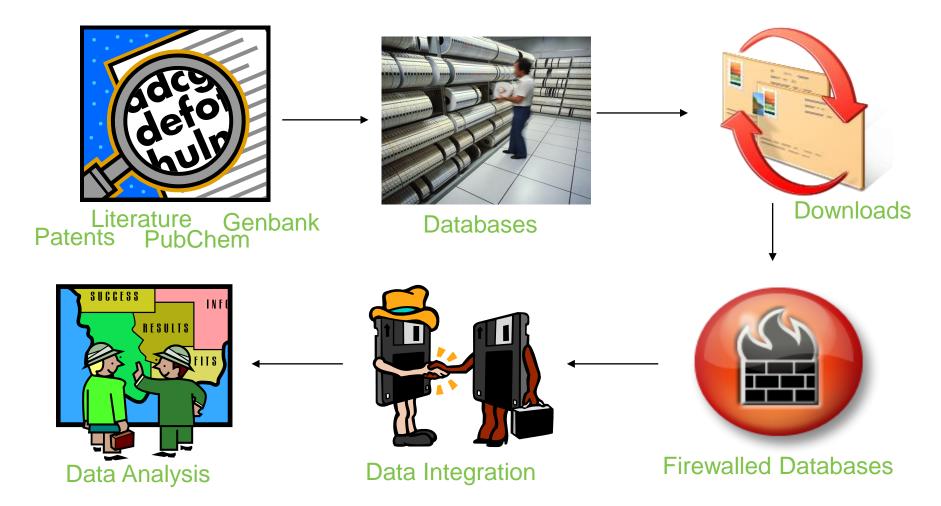
- Blockchain IMI Bid Consortium
  - Find out Jan 2019!







# How do R&D companies use public data?



















## SureChEMBL \* ChEBI







ChemSpider
Search and share chemistry



## **Open PHACTS**

#### Physicochemical data

**Identifiers** 

Pharmacological data

Molecular weight & formula

H-Bond acceptors / donors

Polar surface area, AlogP

Melting point

...and more

Synonyms

**SMILES** 

InChl / InChlkey

ChemSpider ID

...and more

Activity type, value, concentration

Assay description

Target organism

Target name

...and more

## **Preparing for a Grant Proposal** It begins beforehand

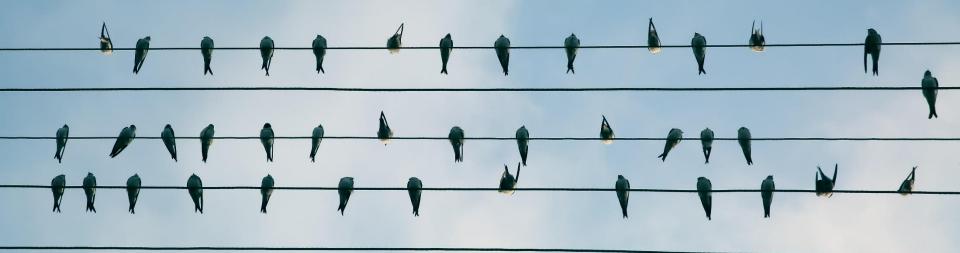


#### **Skills**

- Be open & honest about what you & other partners can bring
  - Add on to your existing work, not the only activity
- Range of skills to deliver a good response
  - Domain aware
  - **Grant writing**
  - Coordination during grant
    - From within team or use a consultancy



# Networking



Partnering

# In the IMI/H2020 You succeeded

Sustain and Success! longer term Work Keeping focussed begins Delivery



# Distributed projects take effort Open about challenges and delays







Photo by Pavan Trikutam on Unsplas

## **Summary: Should you get involved?**

#### **Perspectives**

- Weigh up the value and expertise against the project
  - Must be a good fit for your existing expertise
- Supplementary to existing work, not sole project
  - Cannot be sole source of revenue
- Consider value of broader partnering, longer term and sustain options
- Different questions for a Informatics vs new Technology SME

### It all begins long time before Grant Proposal

- Good networking
- Future challenges and influencing what should be considered
- Alignment to business strategy

