

1 o2r workshop

- Chris Kray

vision

- ifgi as Geoinformatics hub
- leveraging existing connections to other disciplines within faculty, university and beyond
- prototyping and driving a new way of doing research in Geoinformatics
- uniquely placed to do this (combining expertise and strengths of different labs)

2 vision

- ifgi 2020

3 Problems and challenges

- problems:
 - effort
 - disjointness from workflow
 - bad cost/benefit
- how to tackle:
 - make things easier/automatic, particularly at UI/user level
 - provide new capabilities via interaction (unique benefits)

4 benefits and challenges

- create new ways/capabilities via interaction/benefits
 - reduce effort working with papers
 - increase re-usability
 - increase citations
- interesting challenges:
 - how to describe links between paper elements, data, algorithms
 - exploring interaction possibilities
 - understanding user needs

5 **ALSO on my mind**

- what about research incorporating data on human users?
- how to make sure changes are meaningful?
- how deep does one need to go to realise full transparency and reproducibility?
- how do we visualise spatial information/insights and what do we want to do with it?