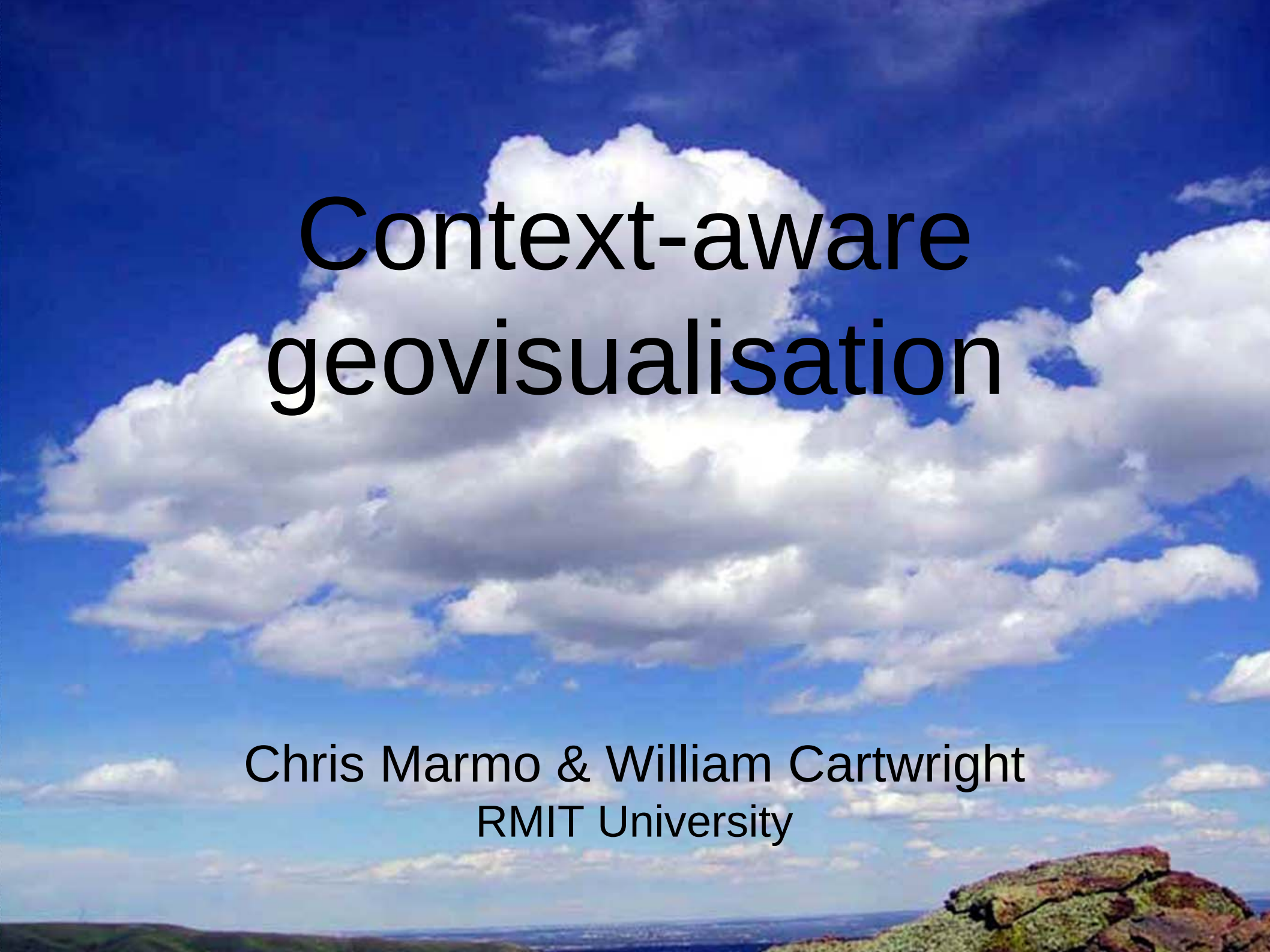


Context-aware geovisualisation

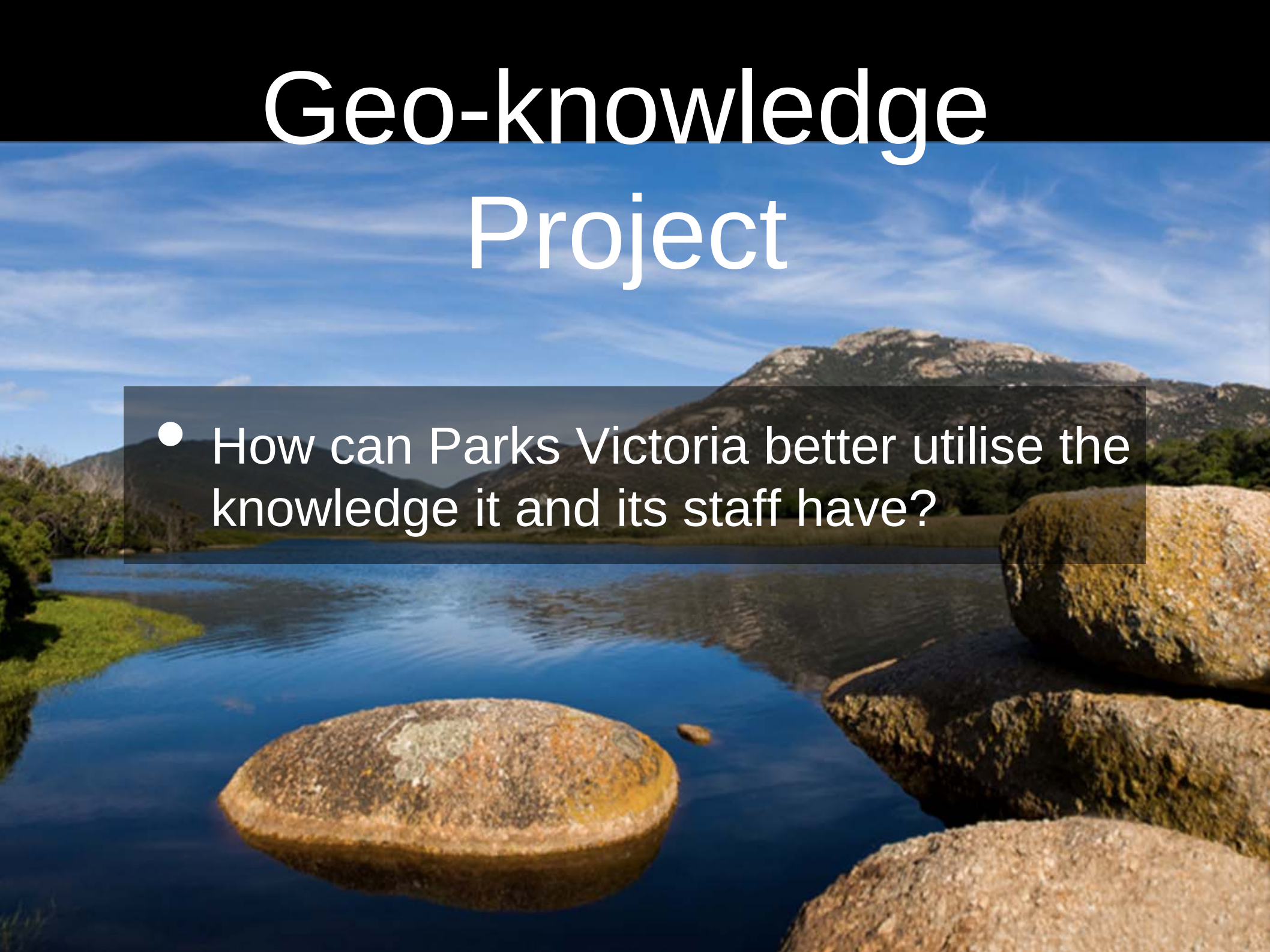
Chris Marmo & William Cartwright
RMIT University

Today...

- Project Introduction
- Geovisualisation & context
- Progress + future steps

Geo-knowledge Project

Geo-knowledge Project



- How can Parks Victoria better utilise the knowledge it and its staff have?

Geo-knowledge Project

Geo-knowledge Project

Geo-knowledge Project

RMIT UNIVERSITY

Geoplaced Knowledge - Chris Marmo

Opportunities for Geovisualisation

Environmental Knowing

+

Ubiquitous Computing

Knowledge is social

The interactions we have with a space define it, and this constructed meaning is socially embedded and negotiated.

Ubiquitous computing

Our environments are at once physical, social and digital.

- Can we co-create an understanding of natural environments via a shared, mixed reality?

In-situ visualisation?

Progress

- Qualitative field study involving interviews and cultural probes via mobile phone.
- 20+ interviews, 6 diary participants.

Early findings

- Locations act as a common vocabulary around which stories are formed and told.
- Staff form “personal geographies”: an individual understanding of space that is constructed out of shared stories and own observations.

Future work will argue that…

- This “story ecology” may be assisted and cultivated through a rich digital space.
- In-situ access may help in the construction of personal geographies.
- Richer environmental knowledge comes about through this combination of interactions.

Conclusions

- Much existing work in geovisualisation is around specific interface design.
- Context-awareness is taking into account the broader social issues of use.
- This context of use is increasingly mobile; by focusing on in-situ visualisation geovisualisation can become “context-aware”.

Thanks!

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