CELEBRATING
70 Years
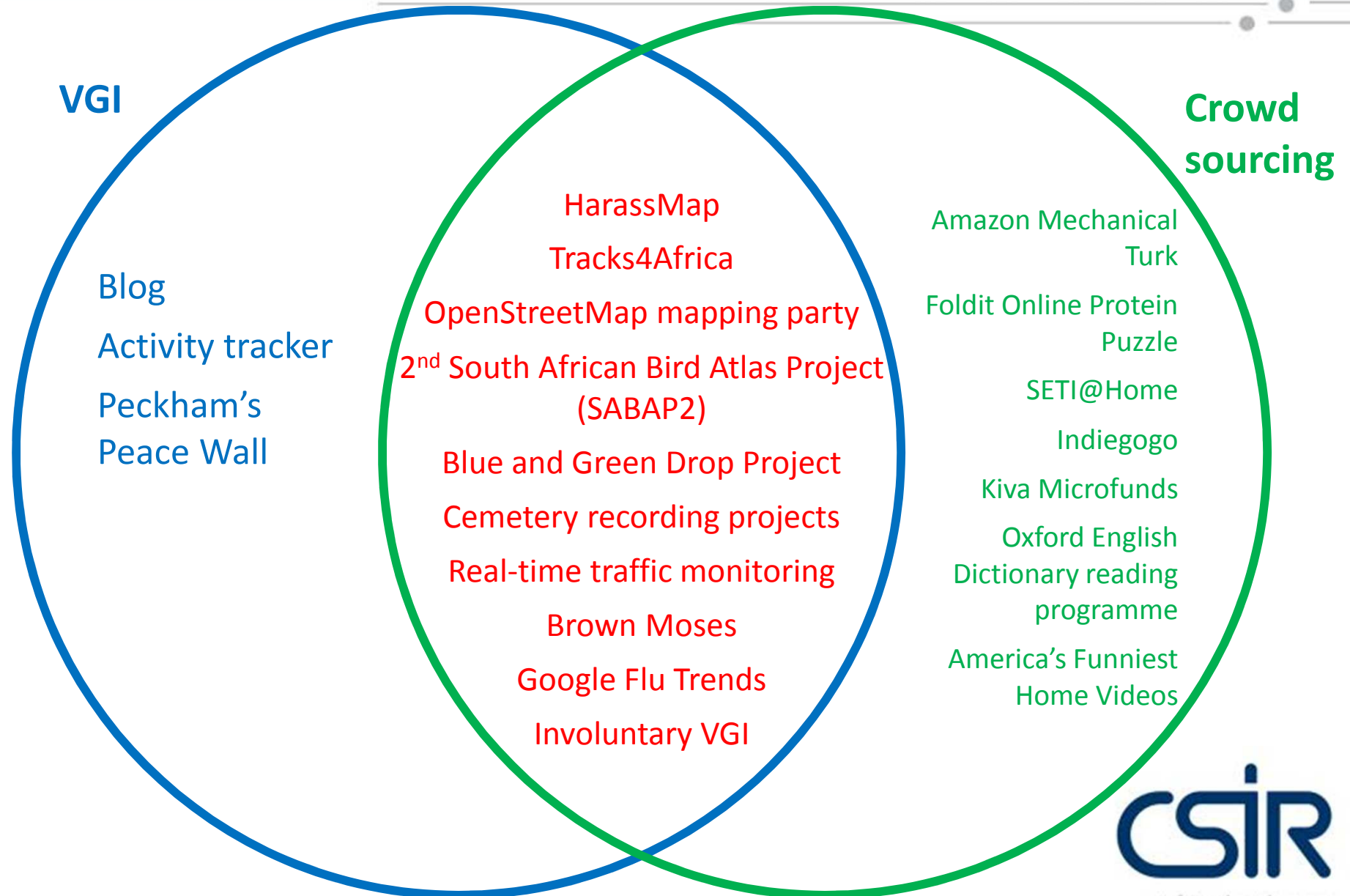Ideas that work

CSIR
our future through science

VGI, crowd-sourcing, citizen science and neogeography are not the same!

Antony K Cooper
Built Environment Unit, CSIR
Pretoria, South Africa
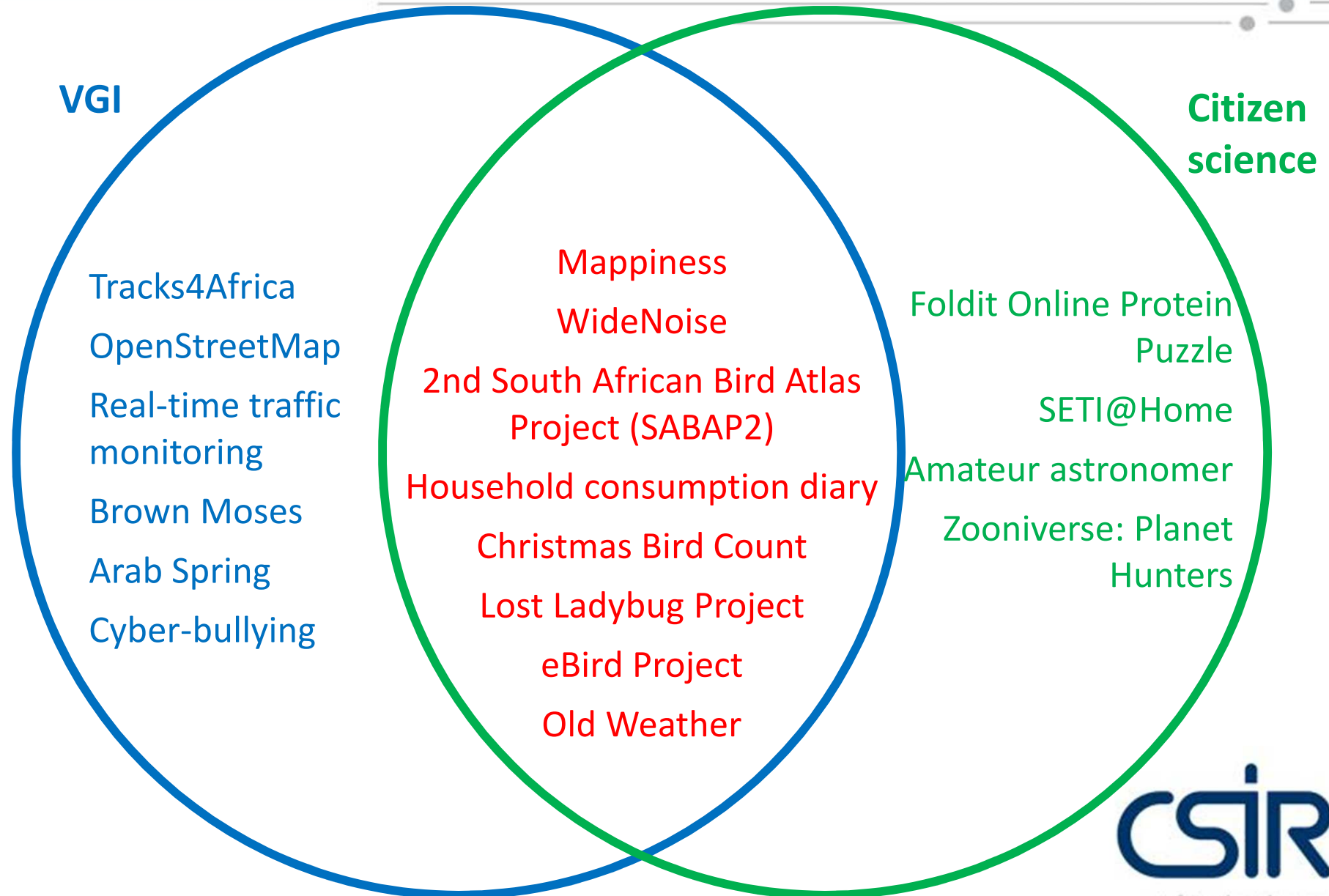acooper@csir.co.za

21 & 22 November 2015, RCMRD, Nairobi, Kenya

Some definitions

- New media
  - *Content available on-demand through the Internet, accessible on any digital device, usually containing interactive user feedback and creative participation* [Wikipedia]

- User-generated content
  - *Denoting or relating to material on a website that is voluntarily contributed by members of the public who use the site* [Oxford]

- Volunteered geographical information (VGI}
  - *User-generated geospatial content?*
  - *User-generated content with geospatial components?*

- Crowdsource
  - *Obtain (information or input into a particular task or project) by enlisting the services of a large number of people, either paid or unpaid, typically via the Internet* [Oxford]

- Citizen science
  - *The collection and analysis of data relating to the natural world by members of the general public, typically as part of a collaborative project with professional scientists* [Oxford]

- Neo-
  - *A new or revived form of* [Oxford]

- Geography
  - *The study of the physical features of the earth and its atmosphere, and of human activity as it affects and is affected by these, including the distribution of populations and resources and political and economic activities* [Oxford]

- Neogeography
  - *Use of GIS, web mapping & GNSS by anyone; innovative colloquial applications, even absurd ones; ad hoc mapping; collaborative mapping and VGI; open data repositories; geo-tagging; mashups; relative vs absolute quality; virtual land art; unconventional uses; psychogeography; critical GIS (social theory, social justice, feminism, power relationships, epistemology, manipulation, ethnography, etc); qualitative applications; ethical issues (privacy, surveillance)*

VGI ≠ Crowd sourcing

VGI

Crowd sourcing

Blog

Activity tracker

Peckham's
Peace Wall

HarassMap

Tracks4Africa

OpenStreetMap mapping party

2nd South African Bird Atlas Project
(SABAP2)

Blue and Green Drop Project

Cemetery recording projects

Real-time traffic monitoring

Brown Moses

Google Flu Trends

Involuntary VGI

Amazon Mechanical
Turk

Foldit Online Protein
Puzzle

SETI@Home

Indiegogo

Kiva Microfunds

Oxford English
Dictionary reading
programme

America's Funniest
Home Videos

CSIR

our future through science

VGI ≠ Citizen science

VGI

Tracks4Africa

OpenStreetMap

Real-time traffic monitoring

Brown Moses

Arab Spring

Cyber-bullying

Mappiness

WideNoise

2nd South African Bird Atlas Project (SABAP2)

Household consumption diary

Christmas Bird Count

Lost Ladybug Project

eBird Project

Old Weather

Citizen science

Foldit Online Protein Puzzle

SETI@Home

Amateur astronomer

Zooniverse: Planet Hunters

CSIR

our future through science

VGI ≠ Neogeography

VGI

Neogeography

Christmas Bird Count

Sketch of directions

Counter-mapping

Ushahidi

FrontlineSMS

PPGIS

ABCD

Transparency and accountability

Empower communities

Brown Moses

Virtual land art

Cyber-bullying

Crisis mapping

Arab Spring

Mashup of Web services

Critical GIS

Personal navigation
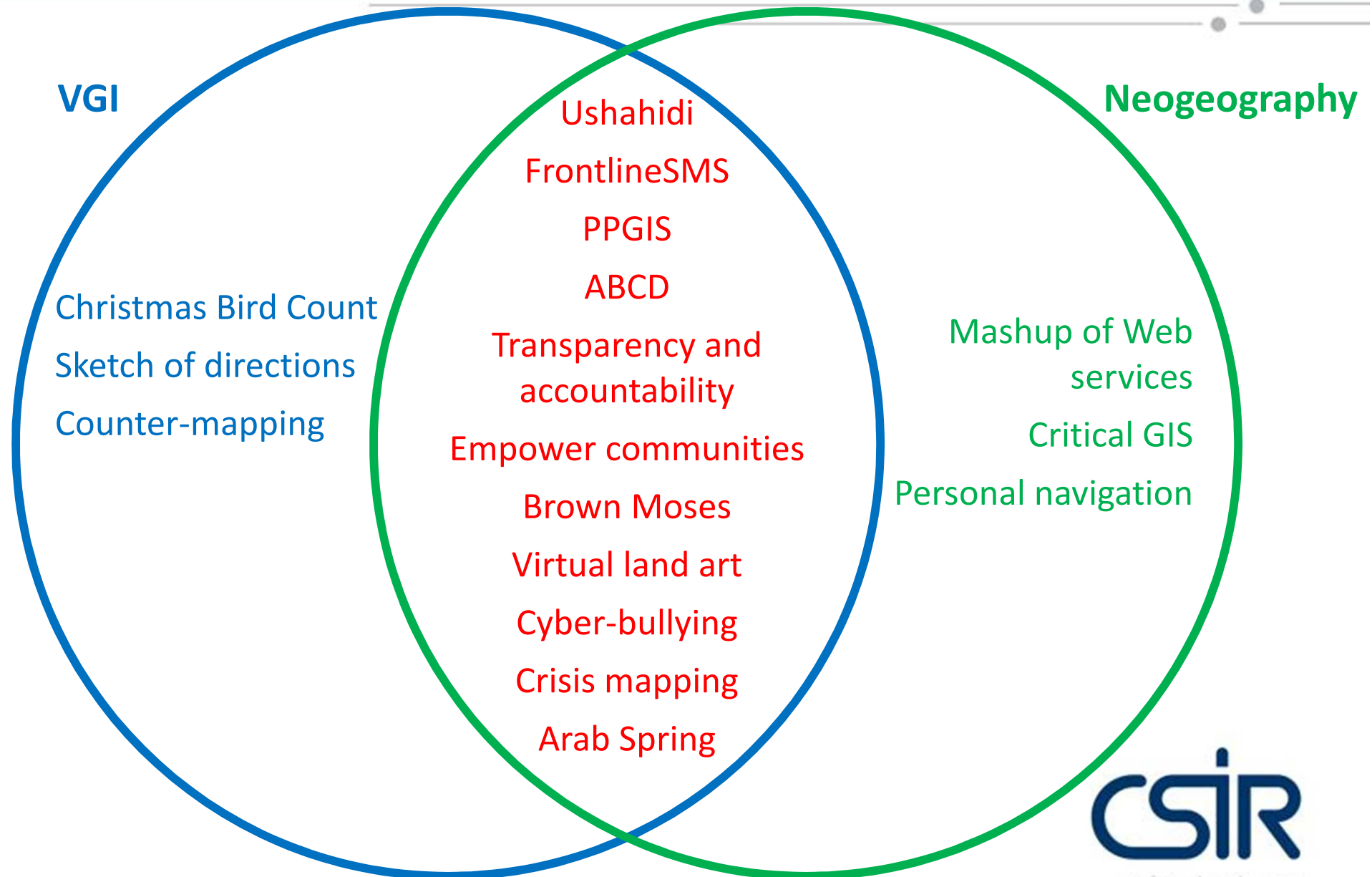
Crowd sourcing ≠ Citizen science

Crowd sourcing

Amazon Mechanical Turk

Wikipedia

Brown Moses

Indiegogo

Trial by jury

America's Funniest Home Videos

Kiva Microfunds

Citizen science

Plant Watch

SETI@Home

Longitude Prize

Voyages Bio Sous-Marine

Belly Button Biodiversity Project

Foldit Online Protein Puzzle

Zooniverse: Planet Hunters

Oxford English Dictionary Reading Programme

Eskom Expo for Young Scientists

InnoCentive

Old Weather

Personal fossil collection

Personal weather station

Amateur astronomer

CSIR

our future through science

Crowd sourcing ≠ Neogeography

Crowd sourcing

Neogeography

Foldit Online Protein Puzzle

Zooniverse: Planet Hunters

Amazon Mechanical Turk

Traditional census

Kiva Microfunds

Indiegogo

SETI@Home

Longitude Prize

Oxford English Dictionary Reading Programme

America's Funniest Home Videos

Ushahidi

FrontlineSMS

Crisis mapping

Brown Moses

Personal navigation

Flâneur

Critical GIS

Deep topography

CSIR

our future through science

Citizen science ≠ Neogeography

Citizen science

Neogeography

Foldit Online Protein Puzzle

Zooniverse: Planet Hunters

SETI@Home

Longitude Prize

Christmas Bird Count

Amateur astronomer

WideNoise

Mappiness

2nd South African Bird Atlas Project (SABAP2)

Psyche and place

Flâneur

Transparency and accountability

Brown Moses

Virtual land art

Critical GIS

Cyber-bullying

Personal navigation

CSIR

our future through science

Acknowledgements

- I would like to thank and acknowledge the UN ECA for inviting me to participate in this Expert Group Meeting on VGI

- I would also like to thank my PhD supervisors, Profs Serena Coetzee and Derrick Kourie of the University of Pretoria, as this presentation draws on my thesis

Thank you!

Antony Cooper

CSIR

acooper@csir.co.za