

NZTA Rural Median Trial

Bridget Burdett



Presentation Outline

The head-on crash problem

The safe system approach

NZTA Rural Median trial

How to change the system





Fatal road accident in Waikato

By Anna Leask

5:26 PM Sunday Aug 21, 2011

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Two people are dead and two critically injured after a crash involving two vehicles in the Waikato this afternoon.

The Police Serious Crash Investigation Team are currently at the scene of the two-car crash at Gordonton Road near Taupiri.

A St John spokesman said two people had critical injuries, and two of those were still trapped in a vehicle. The cause of the crash was unknown.

Road closures are in place at Ballard and Whitiakahu Roads.

ARE YOU IN THE AREA? DID YOU WITNESS THE CRASH?

[Email the Herald Newsdesk](#)

By Anna Leask | [Email Anna](#)



Photo / NZ Herald



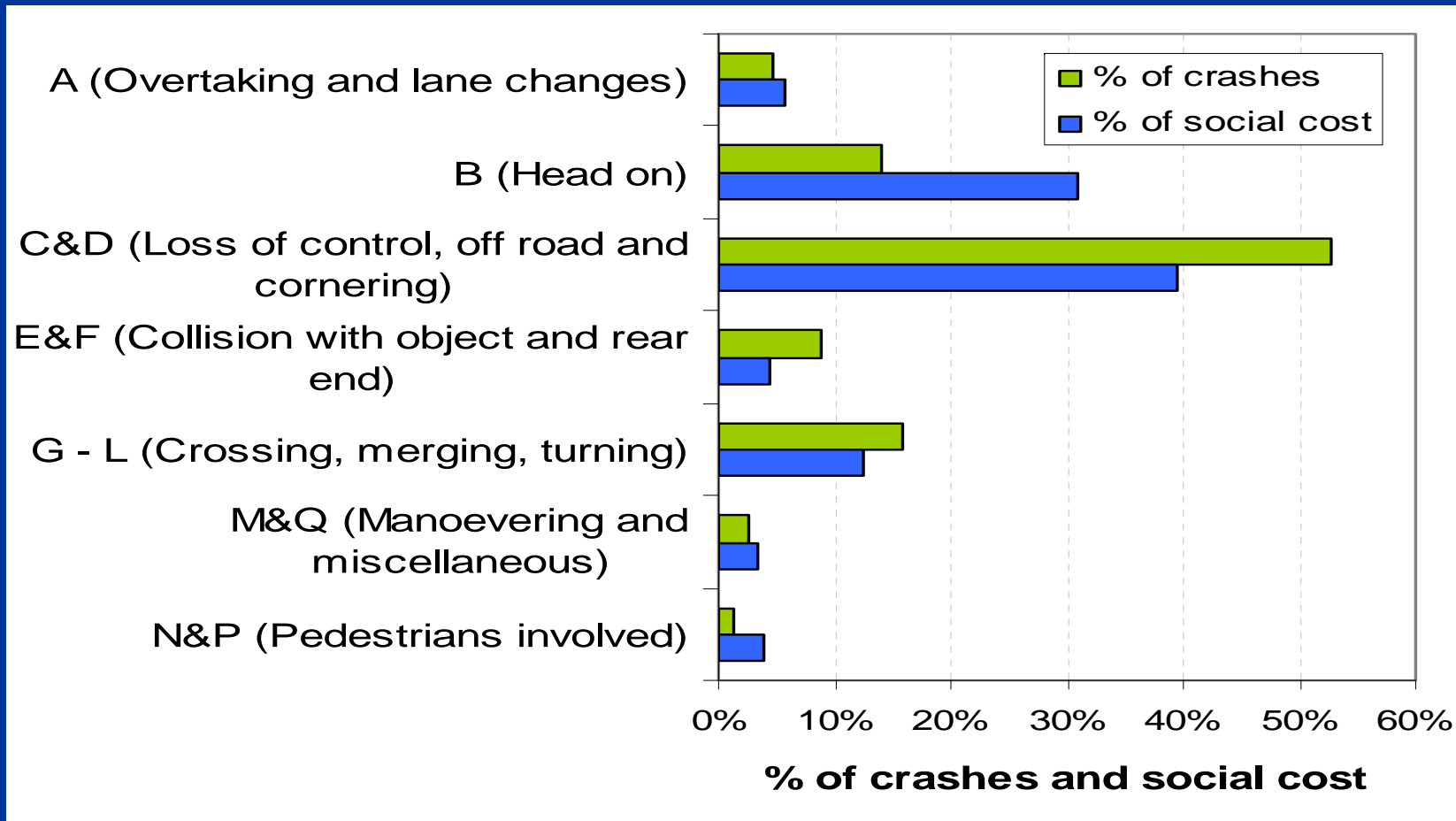
Drive out of
• Skid
road
• Diab
cau
cras
• Mar
car

Rela

• Roa
• Roa



Rural State Highway Crash Types



The Safe System approach

Ease of learning

Ease of remembering

Ease of use

Rural State Highway Crash Types

HIGH CONCERN

Reducing alcohol/drug impaired driving

Increasing the safety of young drivers

Safer roads and roadsides

Safer speeds

Increasing the safety of motor-cycling

MEDIUM CONCERN

Improving the safety of the light vehicle fleet

Safer walking and cycling

Improving the safety of heavy vehicles

Reducing the impact of fatigue

Addressing distraction

AREAS FOR CONTINUED FOCUS AND EMERGING ISSUES

Increasing the level of restraint use

Reducing the impact of high-risk drivers

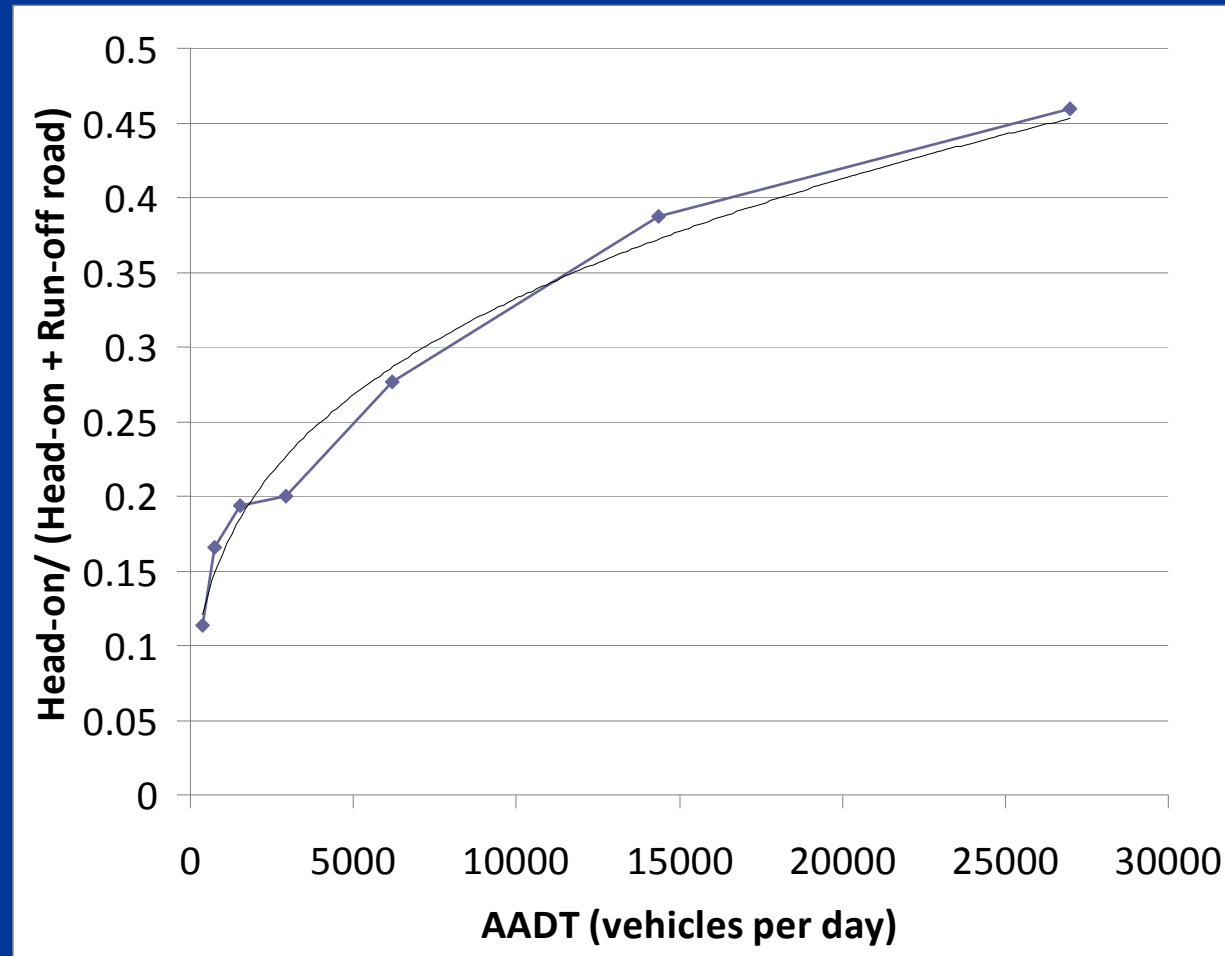
Increasing the safety of older New Zealanders

Safer Roads and Roadsides: First Actions



- Develop a classification system
- Focus safety improvements on high risk rural roads
- Focus safety improvements on high risk urban intersections
- Change Give Way rules for turning traffic
- Implement targeted treatments on popular motorcycle routes
- Strengthen techniques to integrate safety into land use planning

Head-on vs Run-off-road Crashes



Wide Centreline treatments: United Kingdom

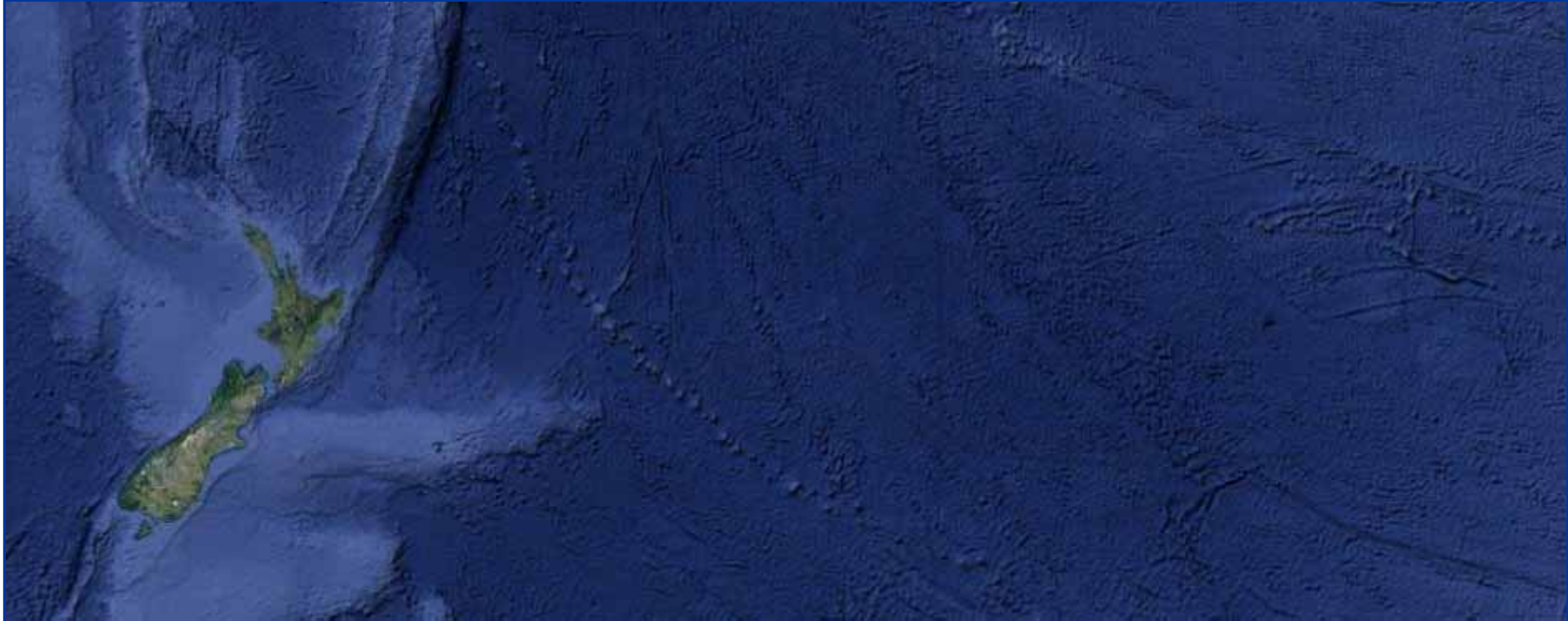


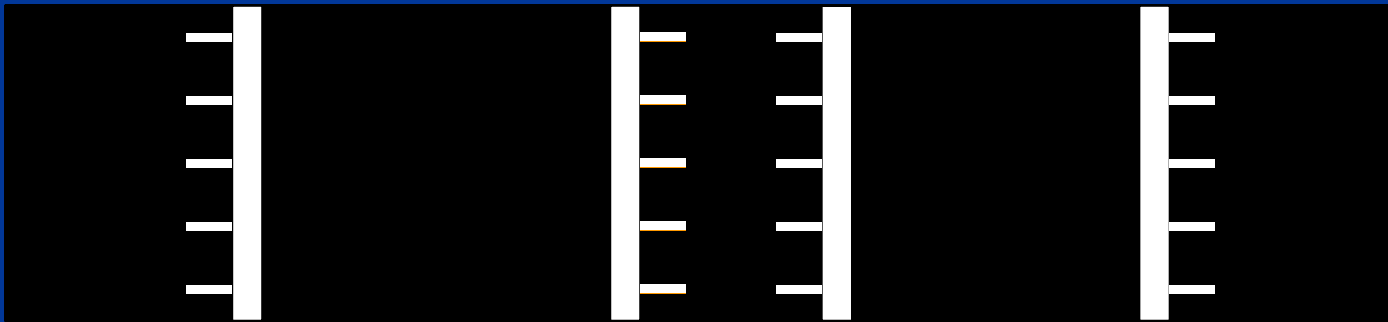
Wide Centreline treatments: Netherlands



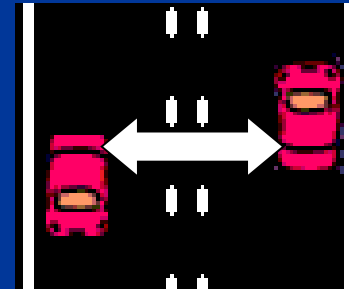
Wide Centreline treatments: Australia







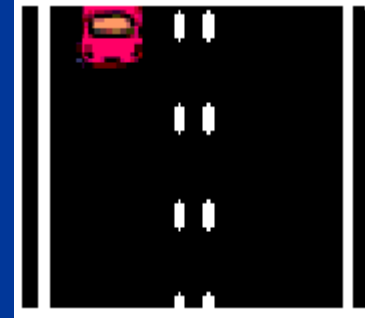
Increase in lateral separation



Decrease in centreline crossings



No increase in speed



No increase in edgeline crossings



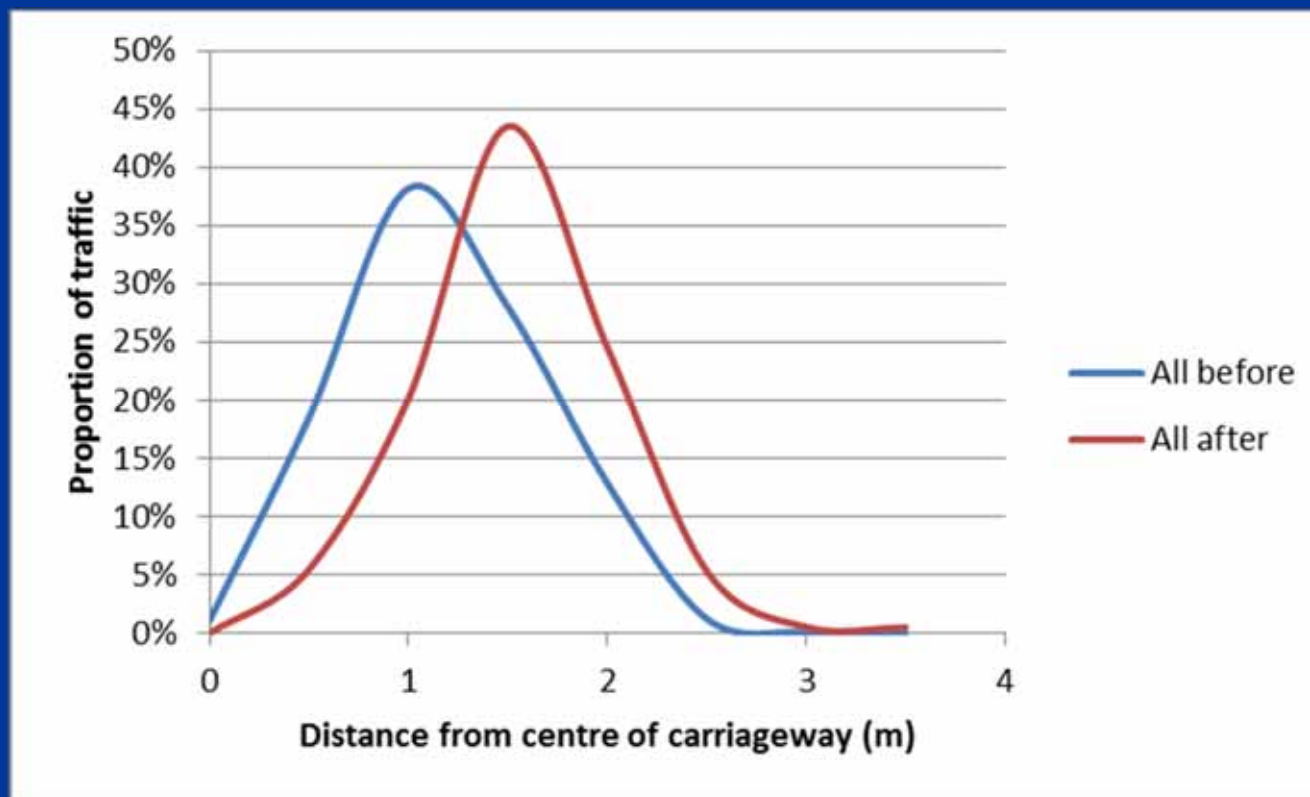








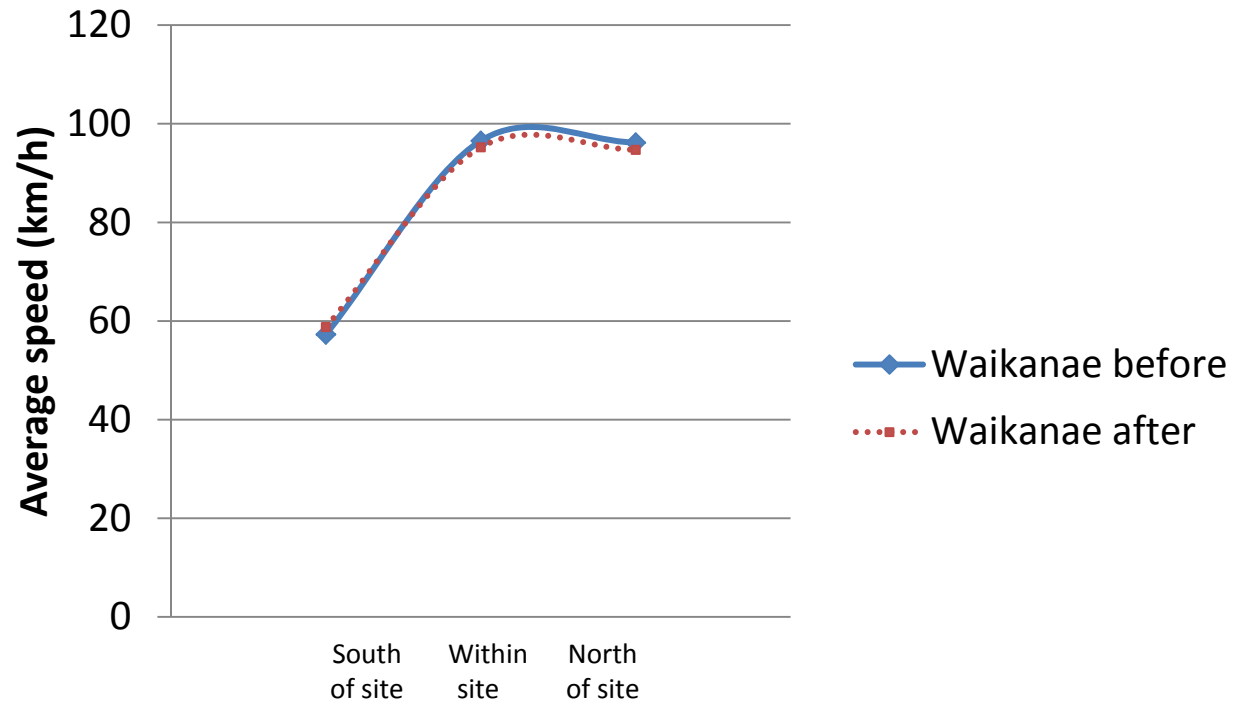
Results: Lateral Position Change



Mean (before) = 1.2m (n = 1600)

Mean (after) = 1.5m (n = 1600)

Results: Speed

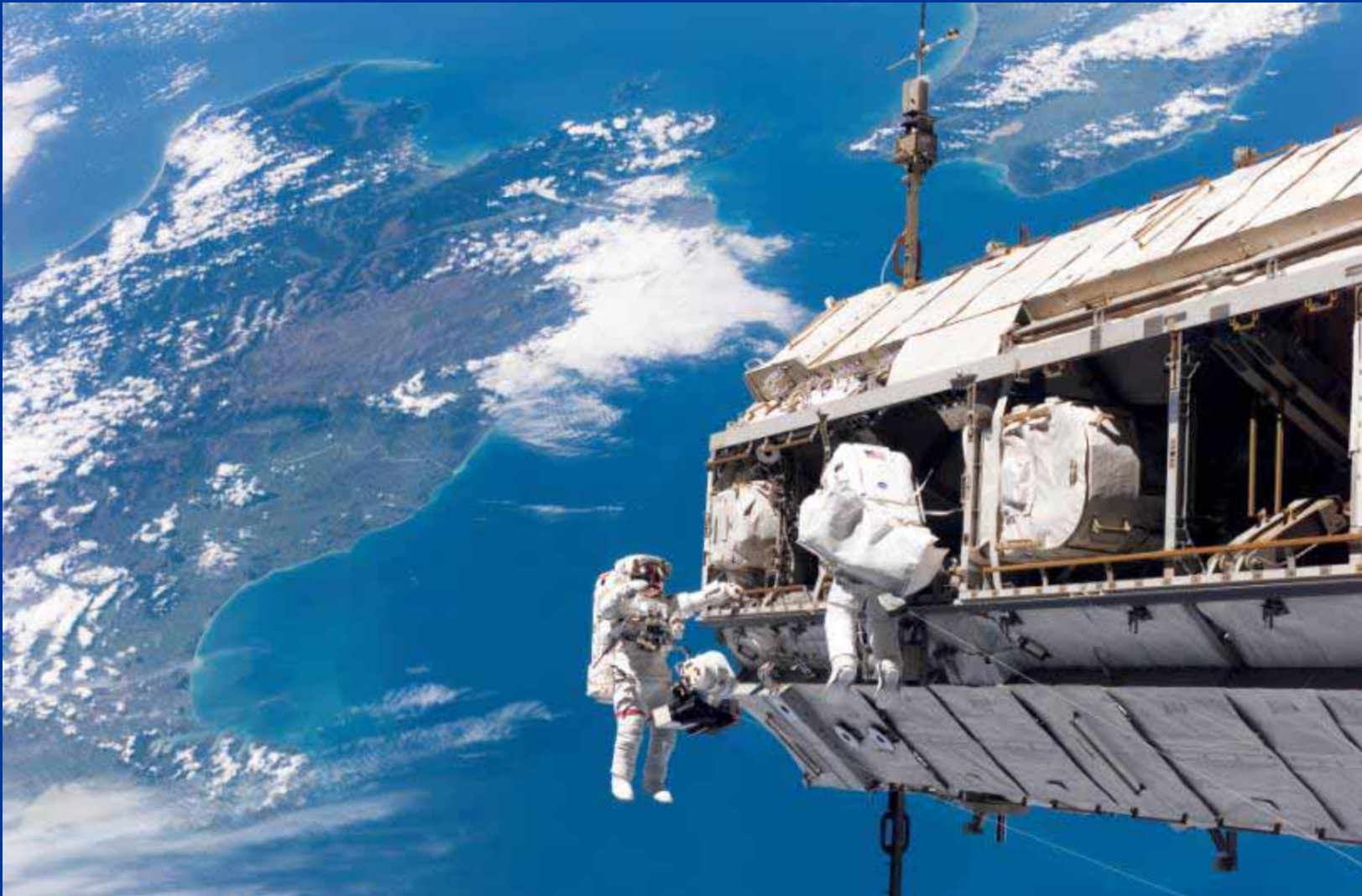


How to change the system



How to change the system





Acknowledgements

Mark Lilley

Michelle Te Wharau

Colin Brodie

Fergus Tate



Bridget Burdett



Samuel Charlton

