

Terremoto de Christchurch

Nueva Zelanda

22 de febrero 2011

Magnitud:6.2 Mw

Hora local:12:51

Serie sísmica de Canterbury (2010-2011)

Terremoto de Darfield.

7.1 Mw.

4 de setiembre de 2010, 4:35 hora local.

No hubo víctimas mortales.

Licuefacción.

Más de siete mil réplicas con magnitudes de hasta 6,2 M_w

Terremoto de Christchurch Junio.

6 Mw.

13 de junio de 2011, 14.20 hora local.

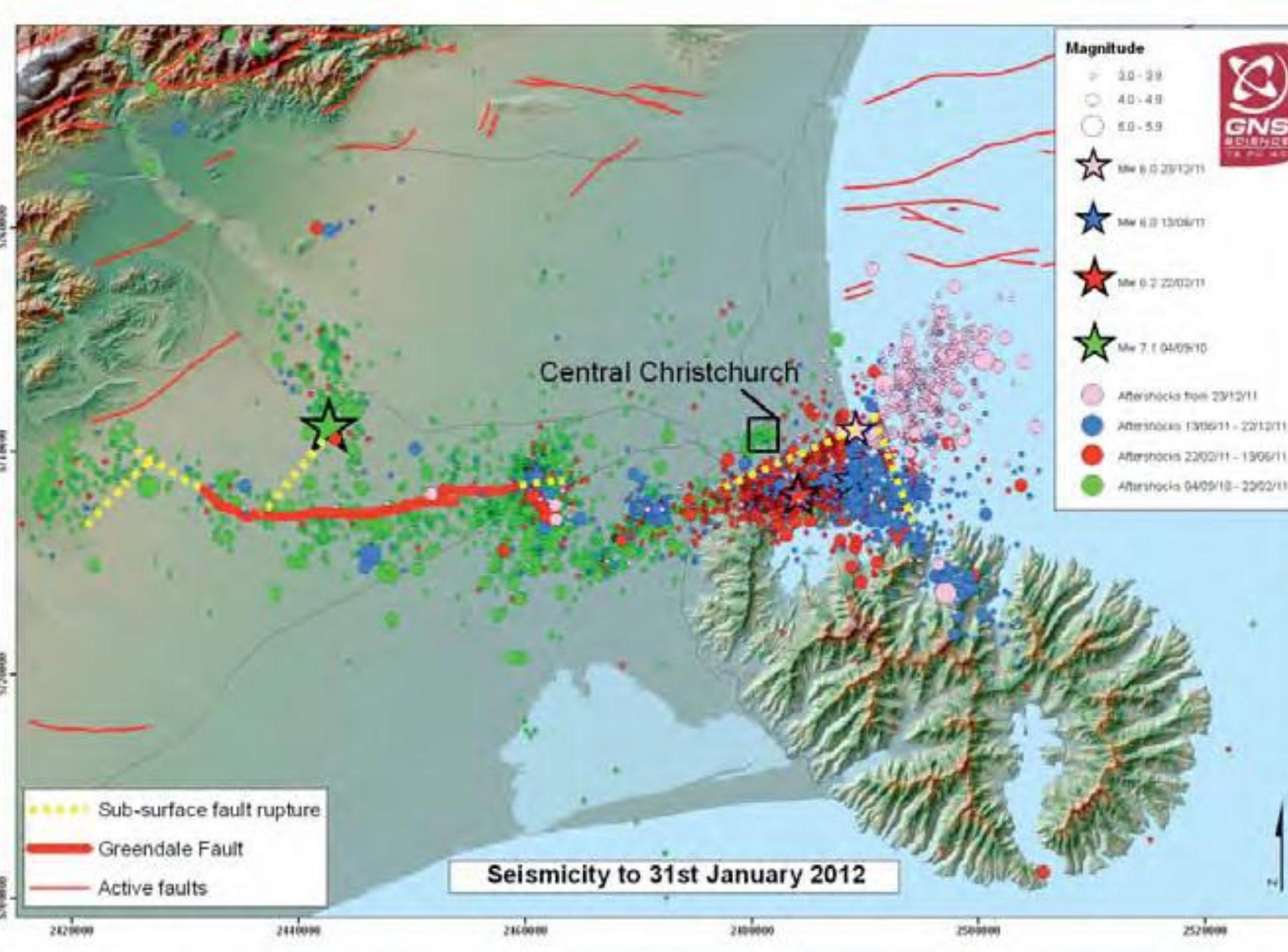
Una víctima mortal.

Licuefacción (desprendimiento de rocas de los acantilados).

Terremoto de Christchurch Diciembre.

5.8 Mw

23 de diciembre de 2011, 1:58 hora local.



Magnitude

- 3.0 - 3.9
- 4.0 - 4.9
- 5.0 - 5.9
- Mw 6.0 23/12/11
- Mw 6.0 13/06/11
- Mw 6.2 22/02/11
- Mw 7.1 04/09/10
- Aftershocks from 23/12/11
- Aftershocks 13/06/11 - 22/12/11
- Aftershocks 22/02/11 - 13/06/11
- Aftershocks 04/09/10 - 22/02/11

GNS SCIENCE
Te Papa

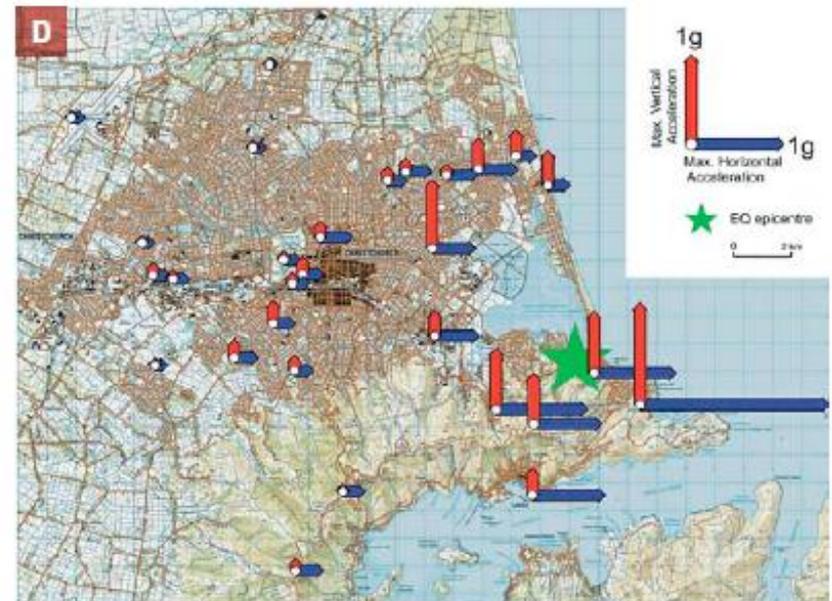
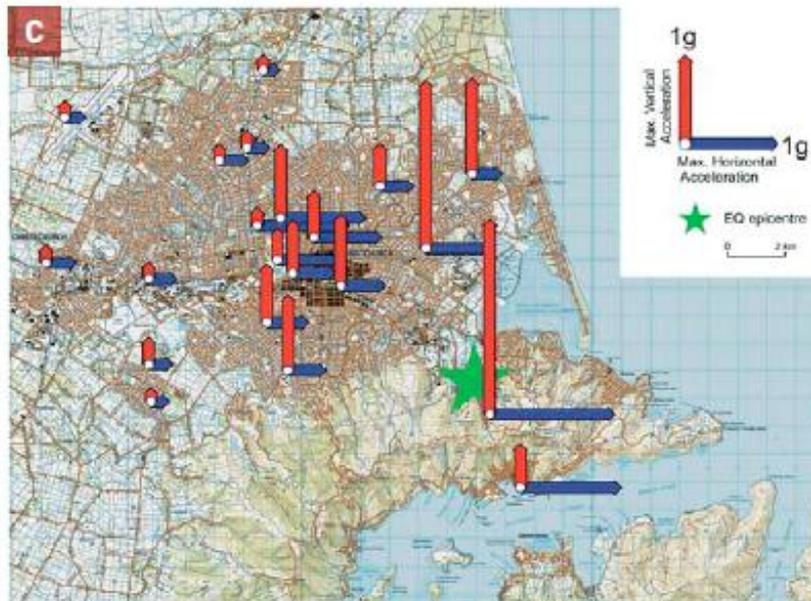
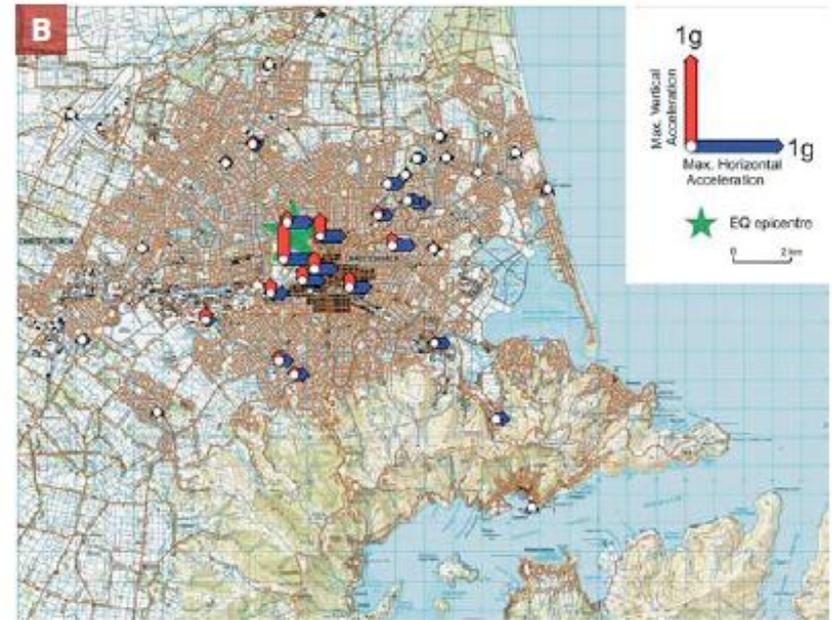
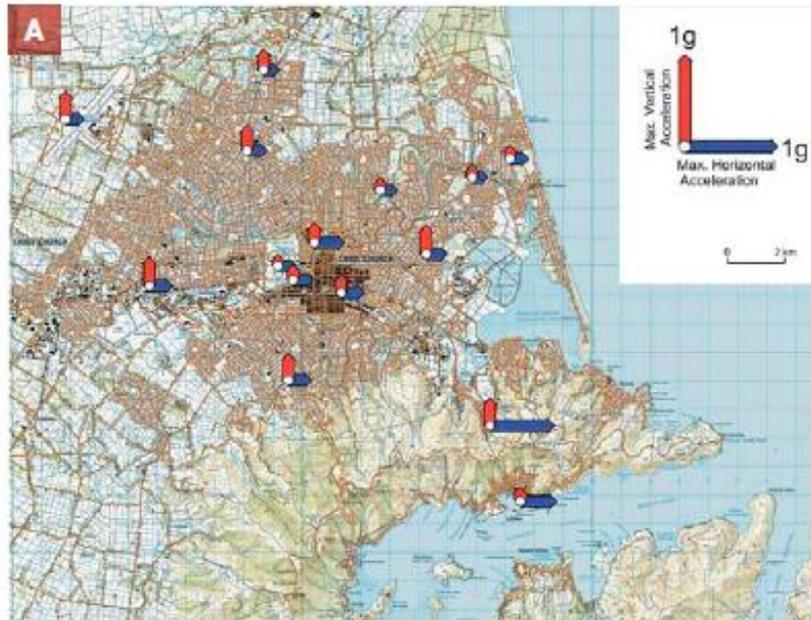
- Sub-surface fault rupture
- Greendale Fault
- Active faults

Seismicity to 31st January 2012

242000 244000 246000 248000 250000 252000

5170000 5171000 5172000

Aceleraciones máximas horizontales y verticales



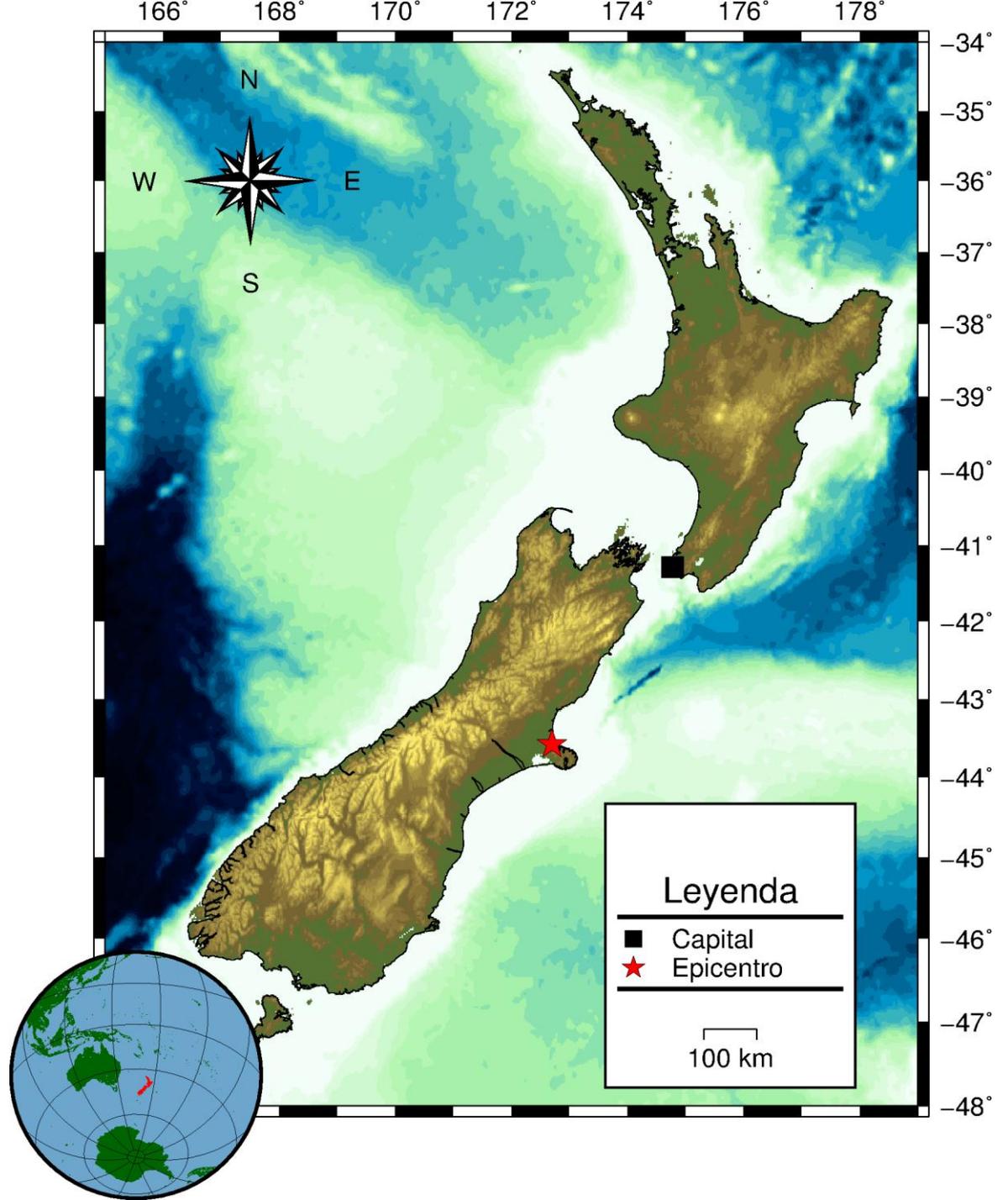
Terremoto de Christchurch 2011

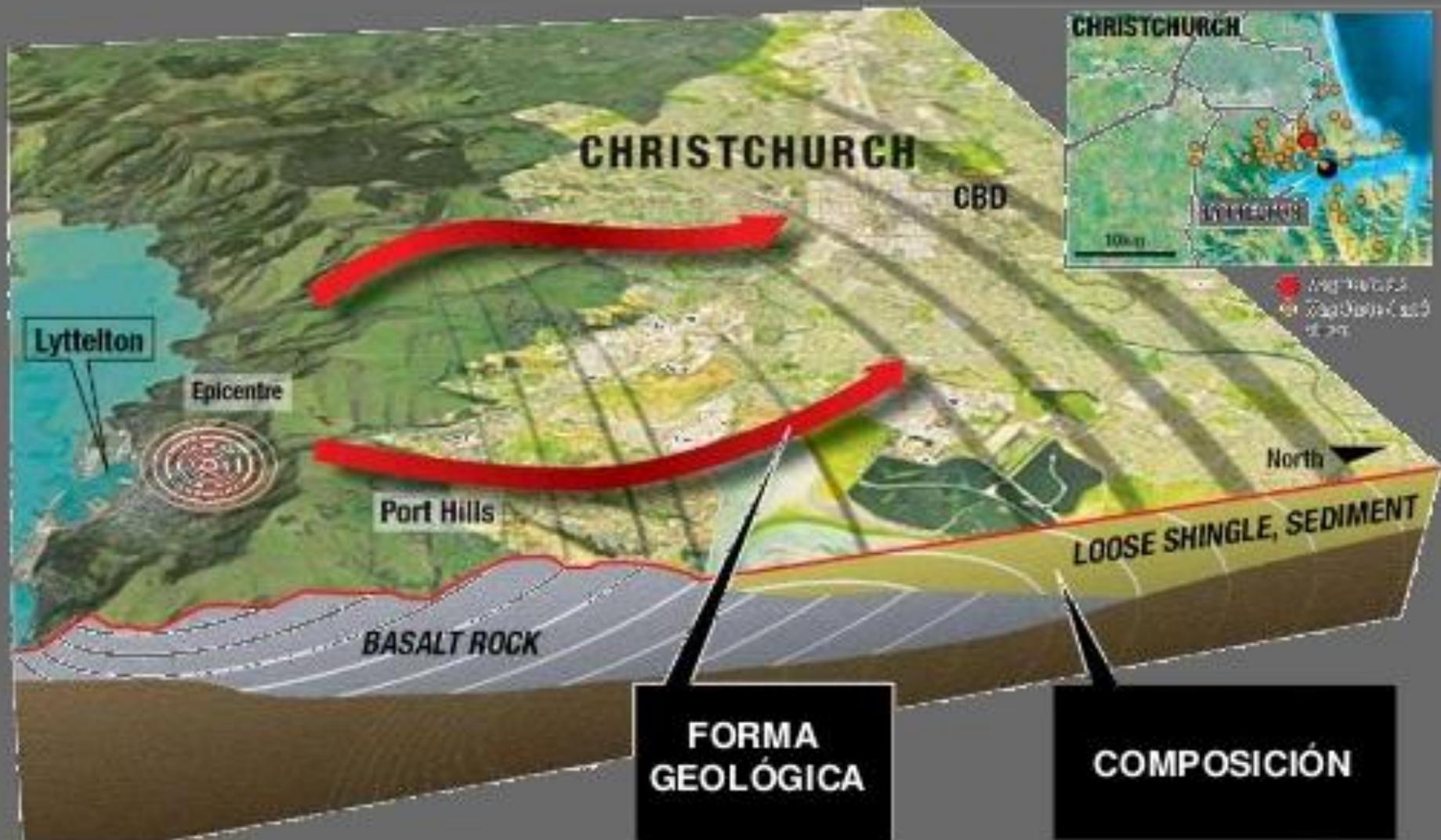


22 de febrero de 2011

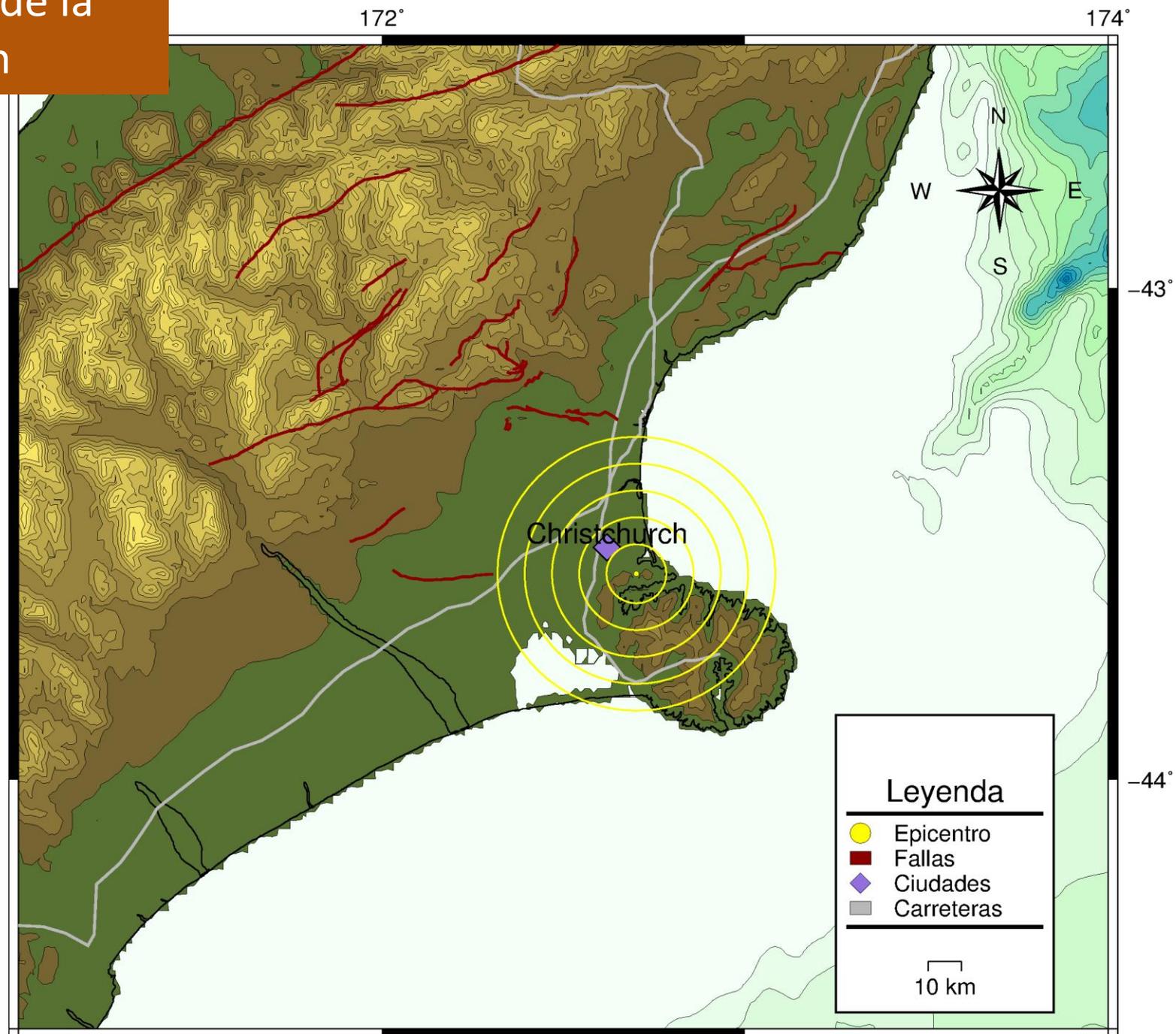


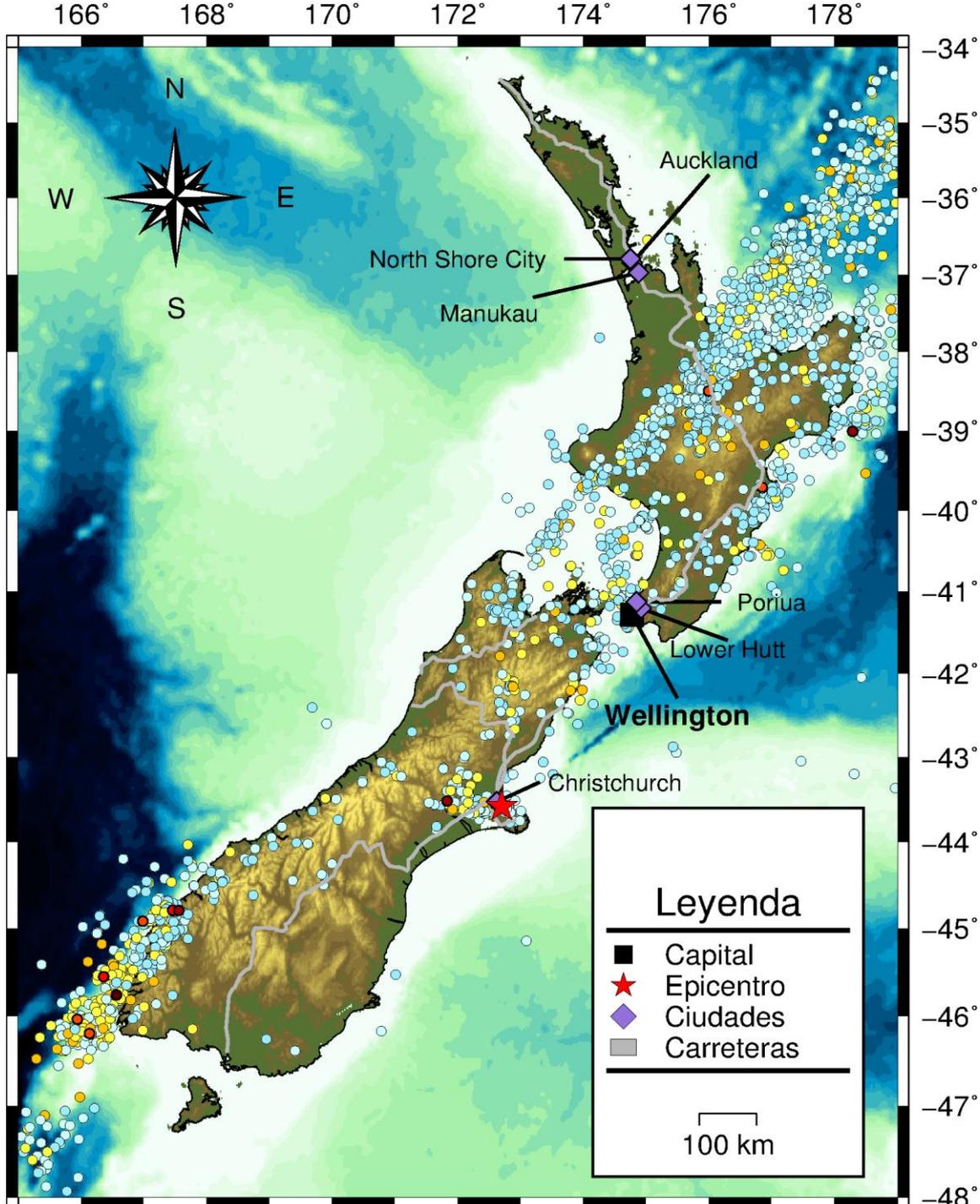
- Hora local: 12:51
- Magnitud: 6.2 Mw.
- Profundidad: 7 km.



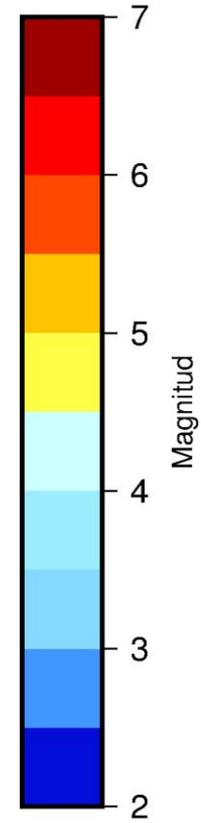


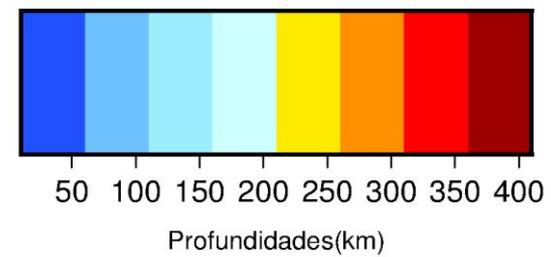
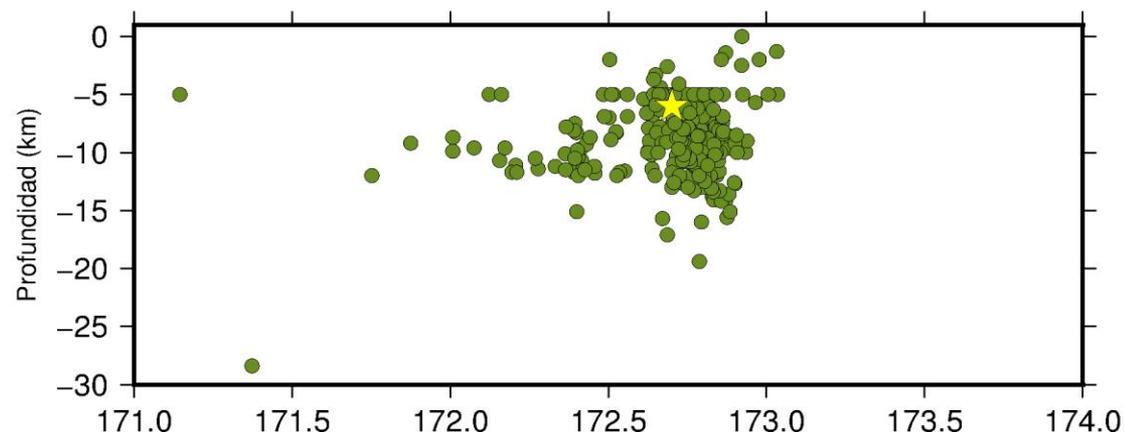
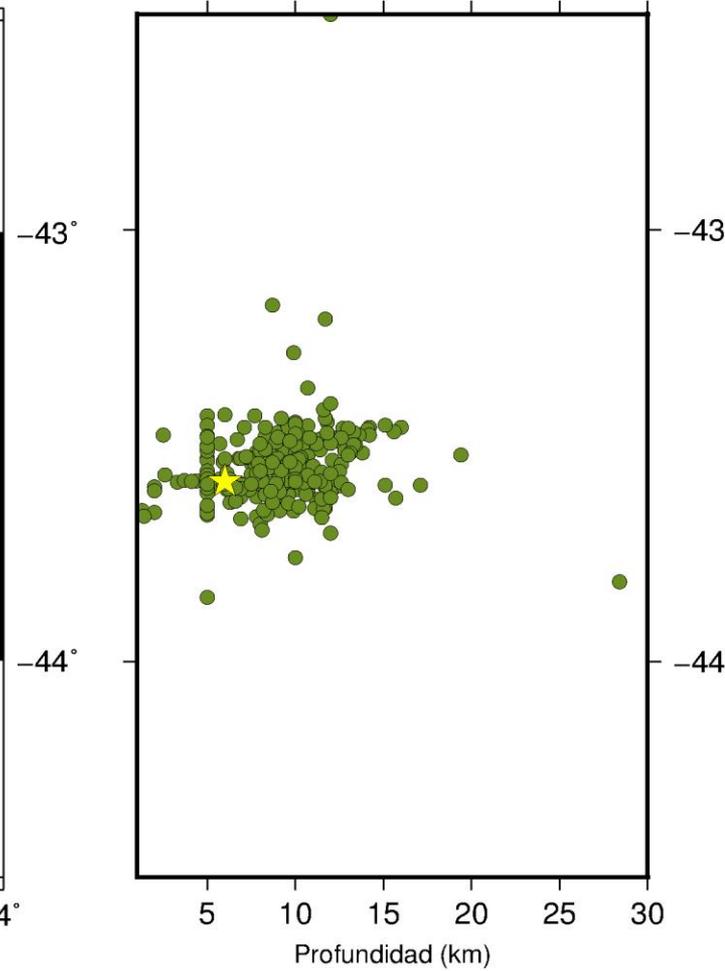
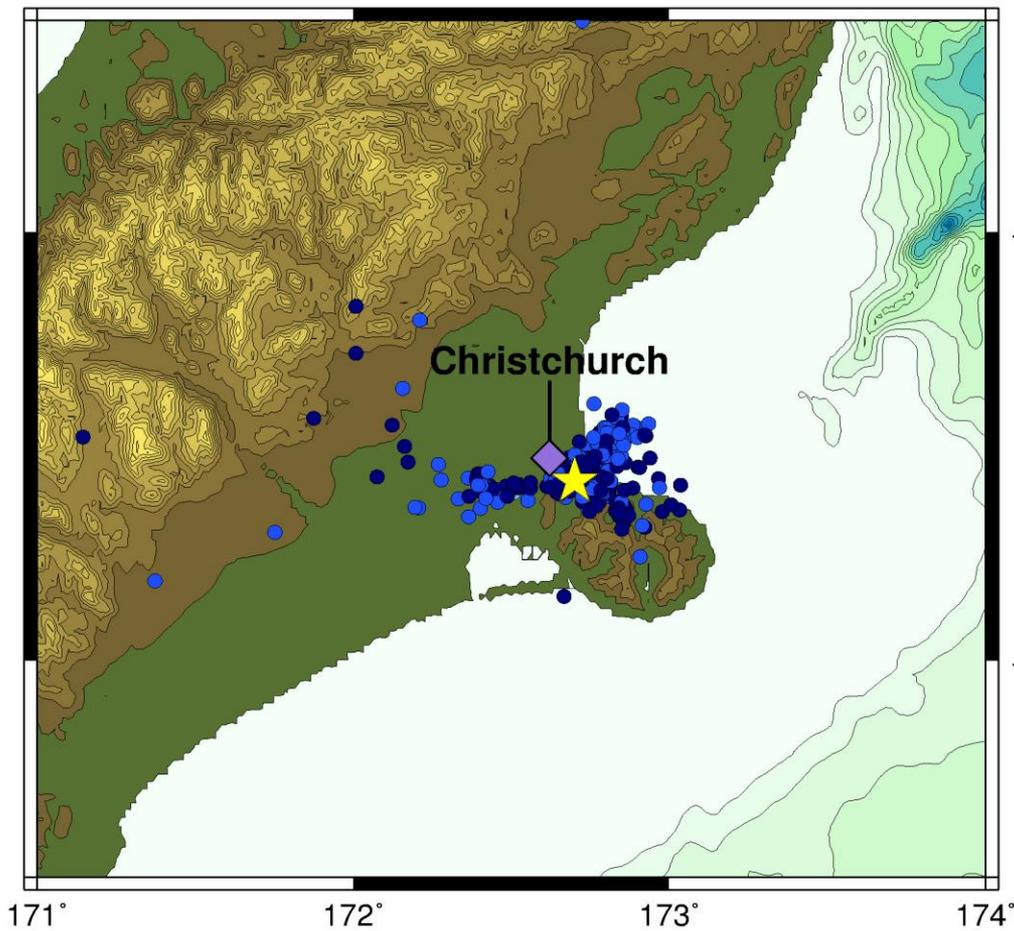
Tectónica de la región



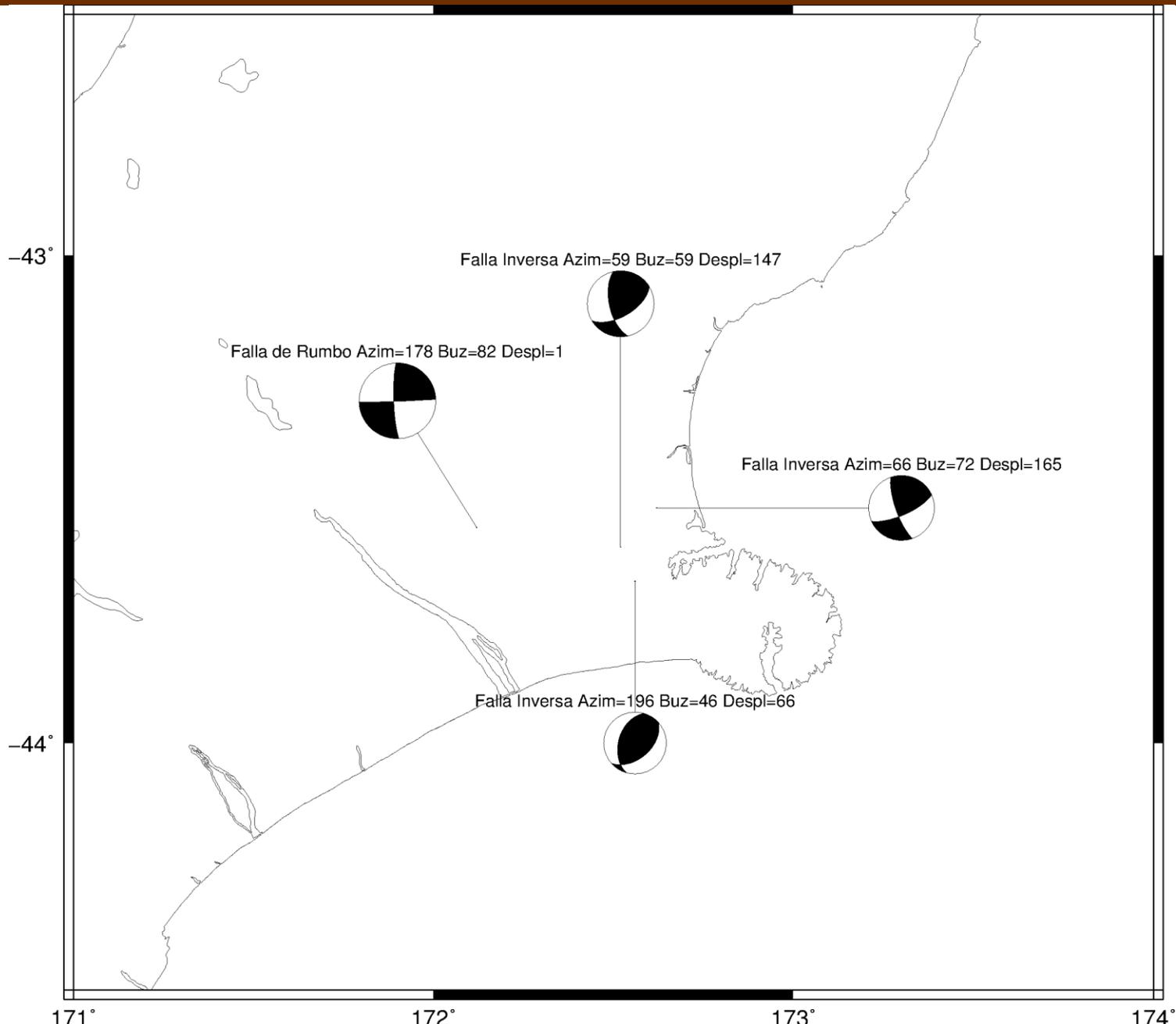


Sismicidad cinco años antes del 22 de febrero de 2011.
(2435 sismos graficados)

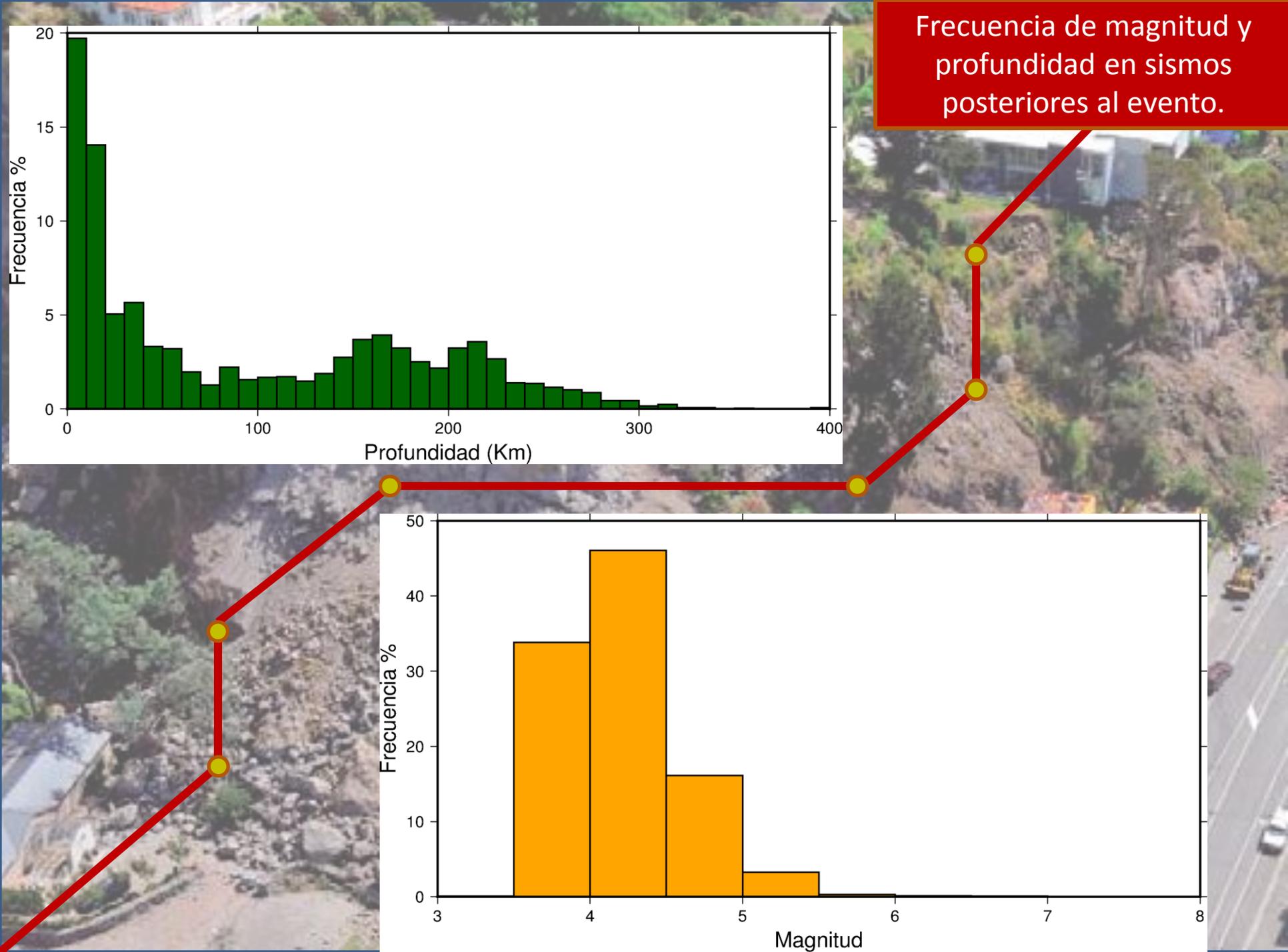
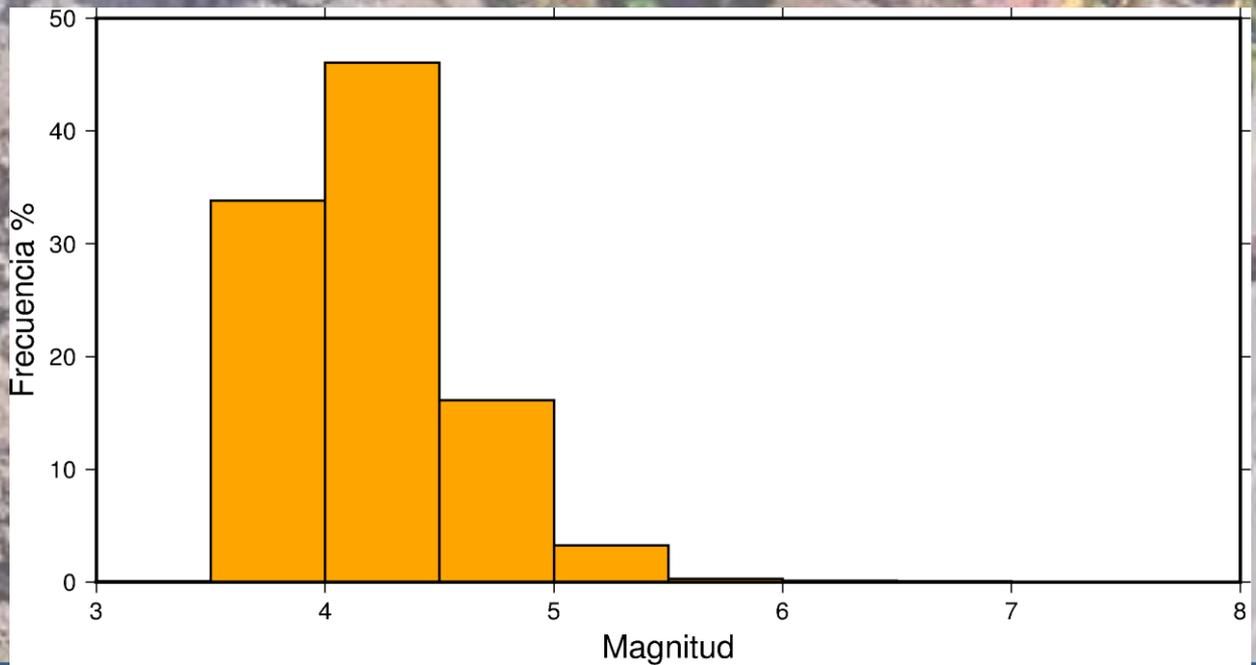
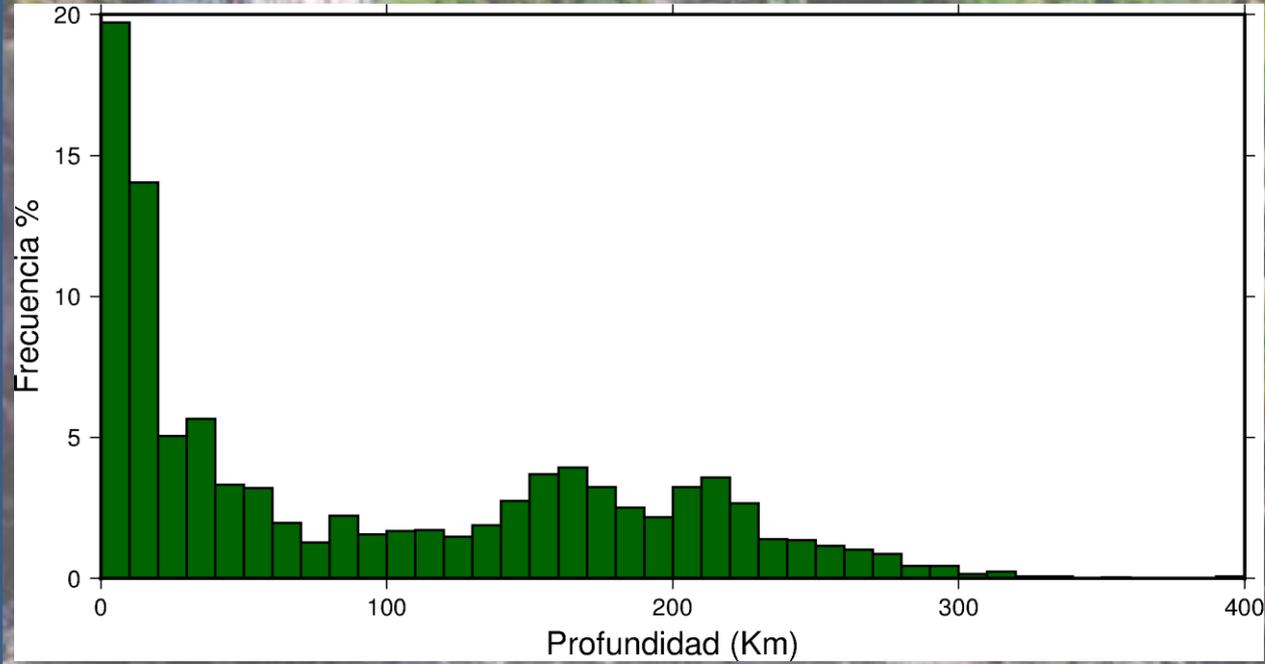




Mecanismos focales serie sísmica de Canterbury



Frecuencia de magnitud y profundidad en sismos posteriores al evento.





Licuefacción





185 víctimas fatales.







