

---

## U42A-08: Choosing the future of Antarctica: a perspective looking back from 2070 (Invited)

---

**Thursday, 13 December 2018**

**12:05 - 12:20**

📍 *Walter E Washington Convention Center - 202A*

We present two narratives on the future of Antarctica and the Southern Ocean, from the perspective of an observer looking back from 2070. In the first scenario, greenhouse gas emissions remained unchecked, the climate continued to warm, and the policy response was ineffective; this had large ramifications in Antarctica and the Southern Ocean, with worldwide impacts. In the second scenario, ambitious action was taken to limit greenhouse gas emissions and to establish policies that reduced anthropogenic pressure on the environment, slowing the rate of change in Antarctica. Choices made in the next decade will determine what trajectory is realized.

### Authors

**Helen Amanda Fricker**

*Scripps Institution of Oceanography*

**Stephen R Rintoul**

*Antarctic Climate and Ecosystems Cooperative Research Centre (ACE CRC)*

**Steven L Chown**

*Monash University*

**Rob DeConto**

*University of Massachusetts Amherst*

**Matthew H England**

*Univ New South Wales*

**Valérie Masson-Delmotte**

*Institut Pierre Simon Laplace*

**Tim Naish**

*Victoria University of Wellington*

**Martin J Siegert**

*Imperial College London*

**José C Xavier**

*University of Coimbra*

[Find Similar](#)

## **View Related Events**

**Day:** [Thursday, 13 December 2018](#)