U.I.C.
Beijing 20th June 2017
RailAdapt Climate Workshop
• Australia is a continent with extreme climates.
• Unpredictable weather events are not new.
• In the last decade there has been a focus on frequency and extremity of ‘weather events’.
• Community expectation has changed in how agencies respond
Heat Wave
Bushfire - risk

Southern Australia Seasonal Bushfire Outlook 2015-16
Track misalignment
Torrential Rain – Flash Flooding
Electrical Storms

Signalling, Communications & Overhead Traction Supply
Strong Winds & Cyclonic events
• Rail agencies do not have emergency response role
• Delay waiting for emergency services to ‘hand back’ the site and allow access
• Rail Agencies do not have ‘in house’ specialist recovery equipment
Resilience Factors

- Strategic Investment
- Infrastructure improvements
- Graceful degrading of network
- Underground cables
- Reliance on ‘advance warning systems’
- Lessons learned from previous events