

### SC C3 Scope

Responsible for the identification and assessment of the various impacts on the natural environment arising in electric power systems and the recommendation of appropriate monitoring, management and control measures.

Impacts addressed will include greenhouse gases, air and water pollution, electromagnetic fields, noise, visual, land use and flora and fauna impacts.



#### **2019 International Activities**

#### Symposium - Going offshore - Challenges of the future power grid

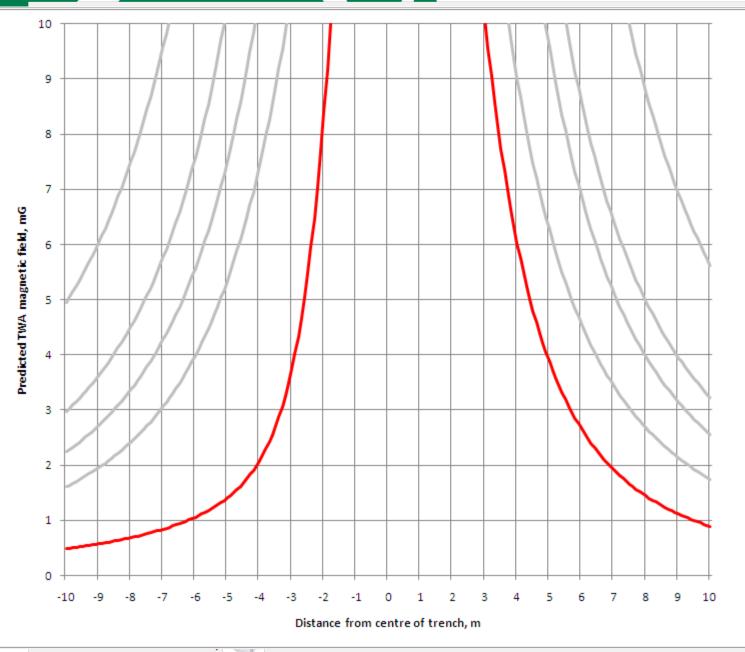
#### **Active Working Groups**

- RG C3.01 EMF and Health
- WG C3.09 Corridor management (Renewed)
- WG C3.12 Methodologies for GHG inventory and reporting for T&D utilities
- WG C3.14 Impact of environmental liability on transmission and distribution activities
- WG C3.15 Best environmental and socio-economic practices for improving public acceptance of high voltage substations
- WG C3.16 Interactions between electric infrastructure and wildlife
- WG C3.17 Interaction between wildlife and emerging RES and submarine cables
- WG C3.18 Eco-friendly approaches in Transmission and Distribution
- WG C3.19 Responsible management of the EMF Issue
- WG C3.20 Sustainable development goals in the electric power sector
- WG C3.21 Including stakeholders in the investment planning process (Renewed TOR of former JWGC1/C3.31)
- WG C3.22 Vegetation management in substations
- WG C3.23 Eco-design methods for TSO/DSO under environmental transition



# **EMF**















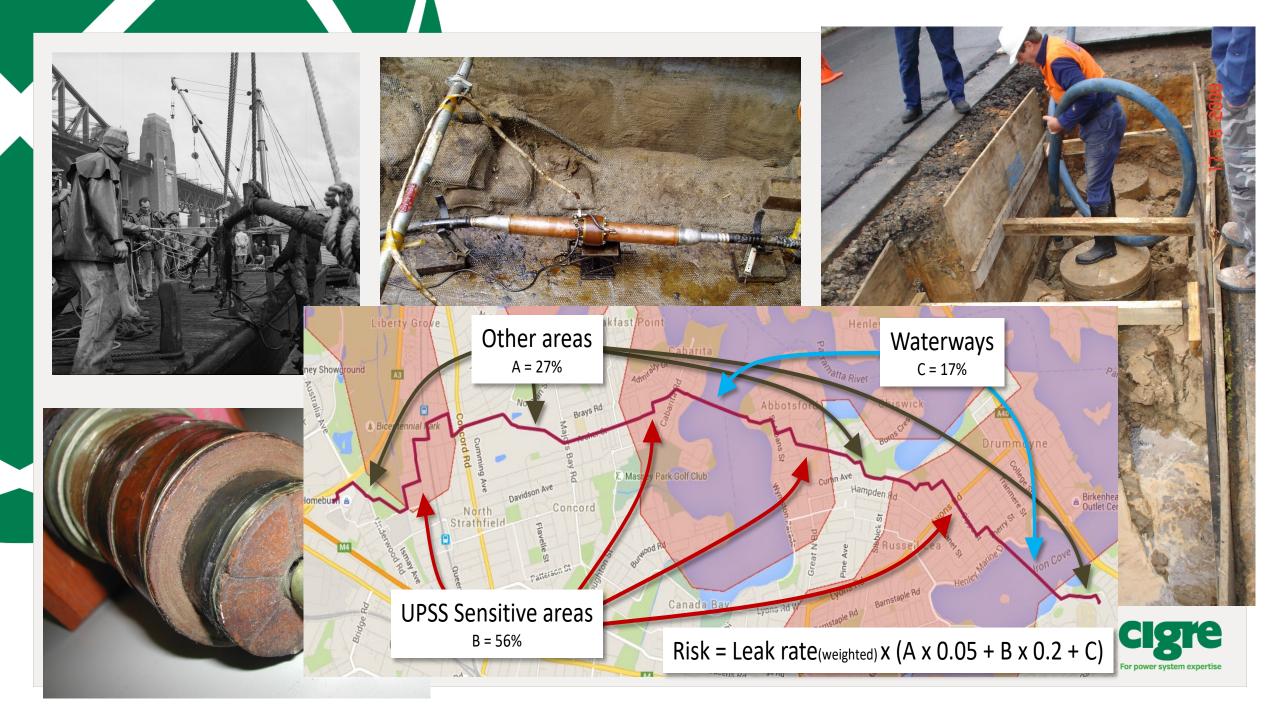
+ reconfigured downstream network





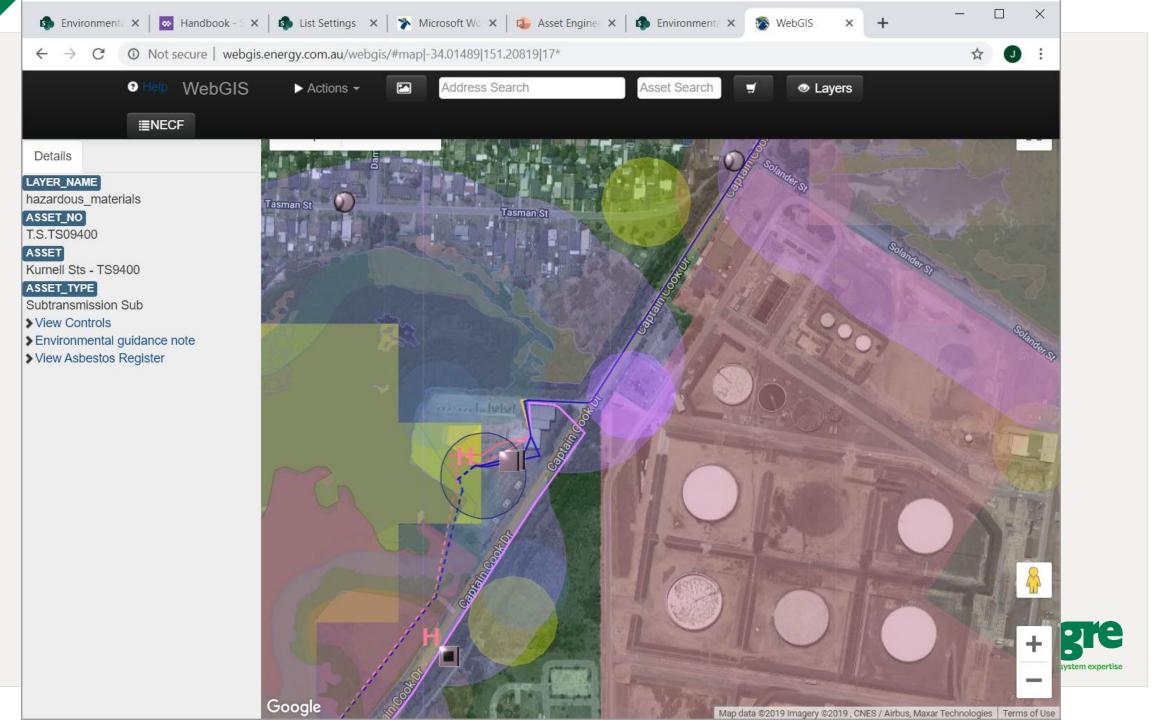
## Oil filled cables

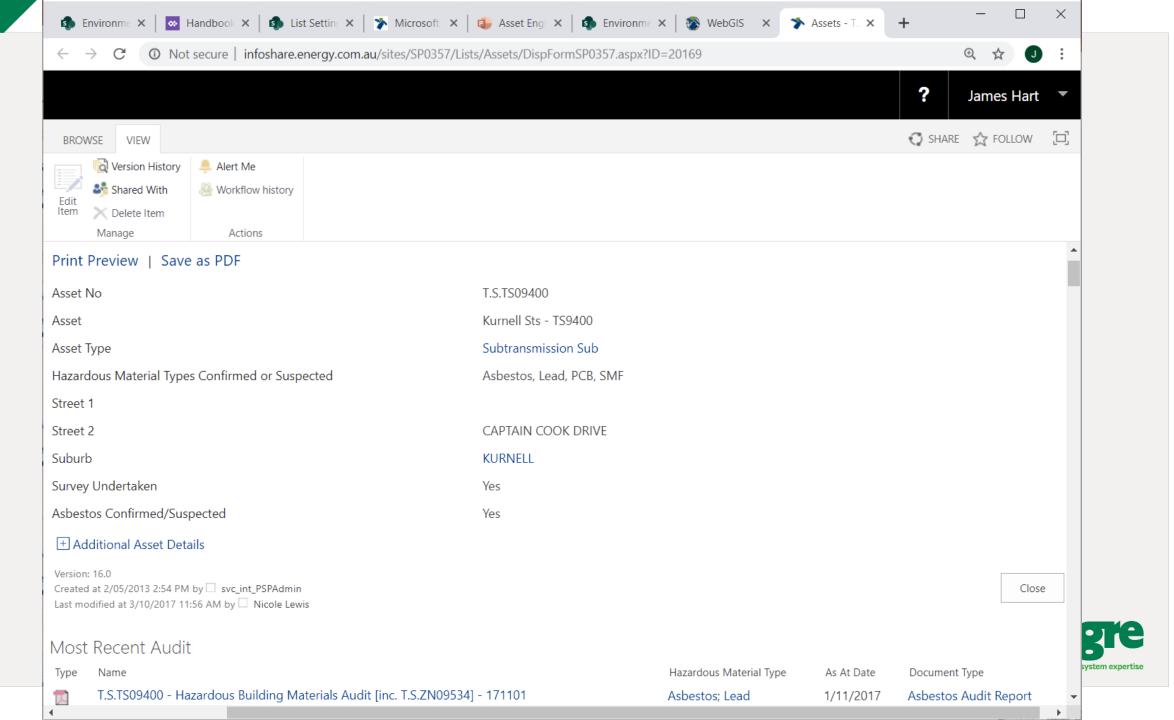


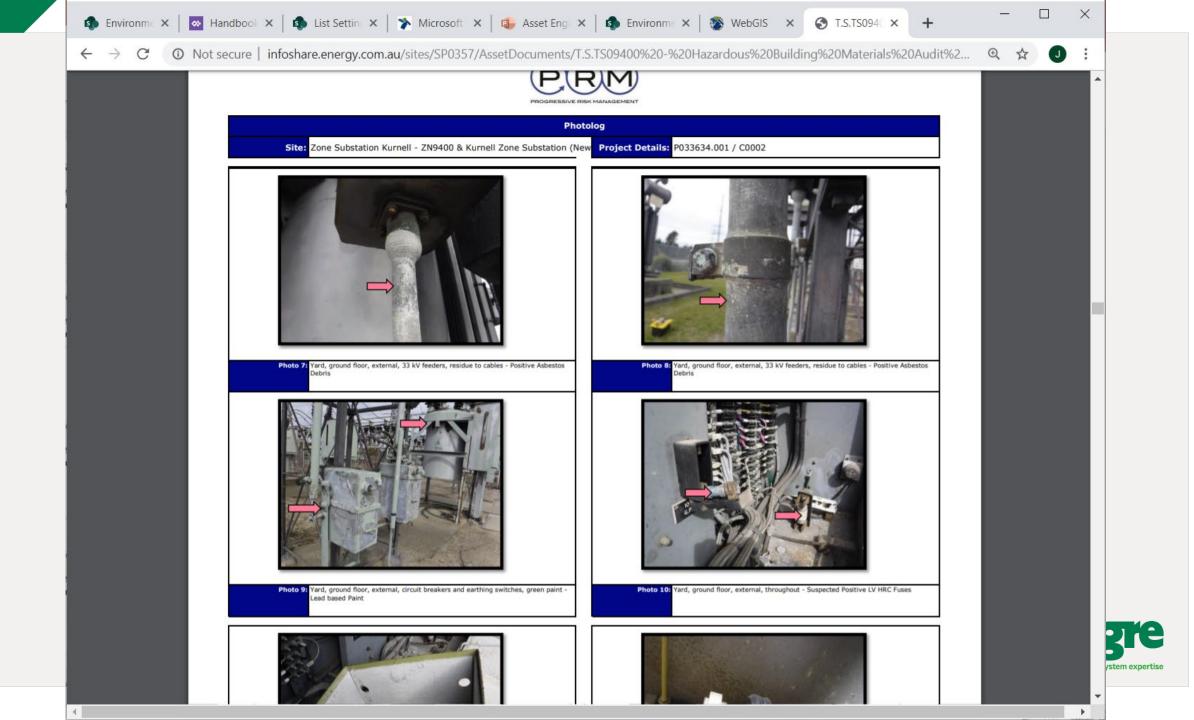


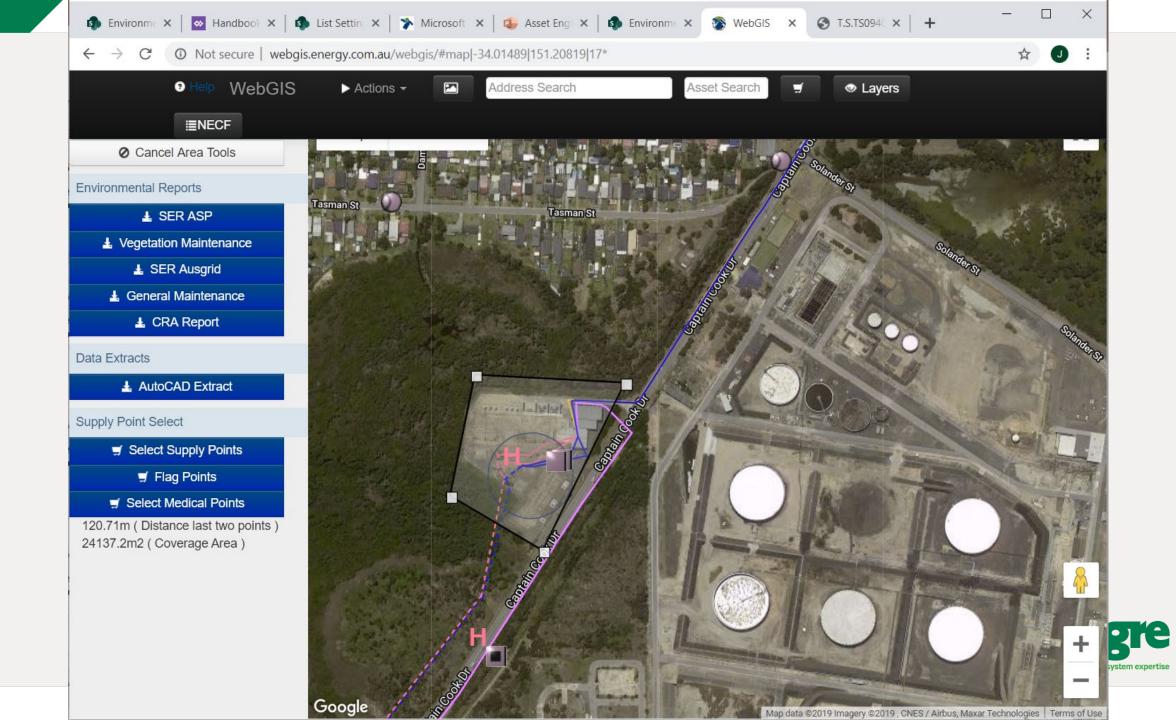
# **Environmental planning** tools

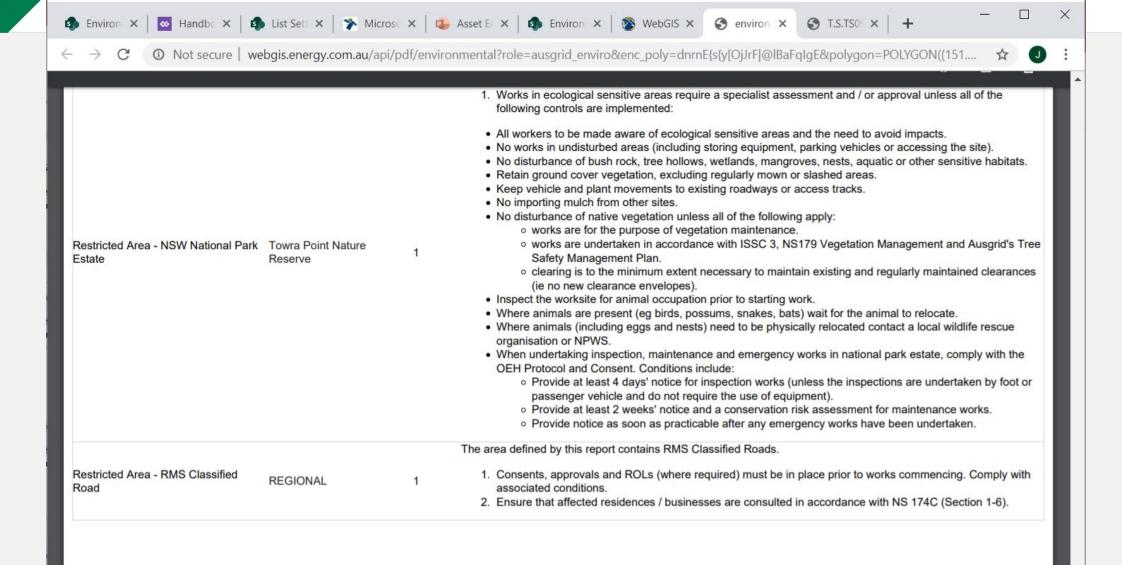














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## **Asbestos**









Meters





John valves



Ripple filter resistor

Westinghouse relay



Water proofing membranes



Paint



Recycled spoil



