

 CHARLES
DARWIN
UNIVERSITY

Darwin Centre for Bushfire Research (DCBR)



Darwin Centre for Bushfire Research
Research Institute for Environment and Livelihoods

Charles Darwin University

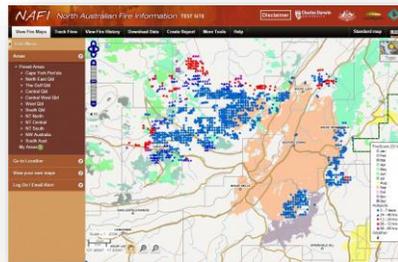
2017

Darwin Centre for Bushfire Research

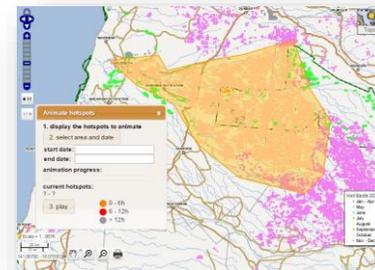
- Located at Charles Darwin University
- New three year agreement with CDU
- 2017 – 2020

NAFI

Map Viewer



Data query and visualisation tools



Data analysis tools



Training & Support

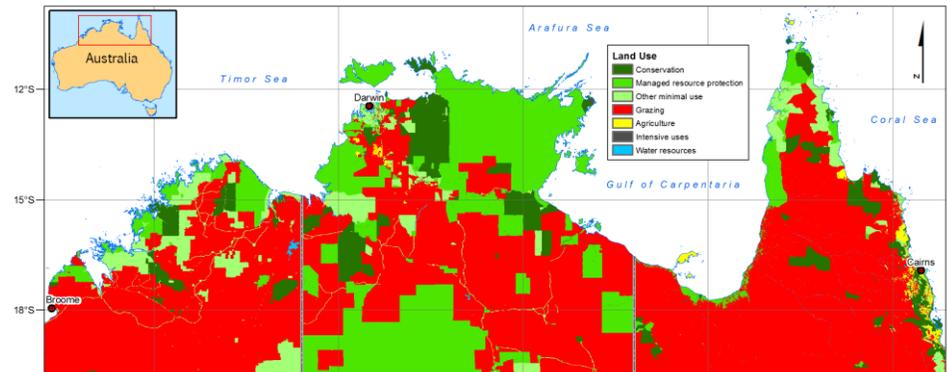


Bushfires and Natural Hazards CRC Building Community Resilience: Payments for Ecosystem Services

Indigenous engagement through the
Aboriginal Research Practitioners Network



- Scoping North Australian Remote Communities
- Developing Governance Models
- Participatory Planning
- Preliminary Assessments of the value of PES

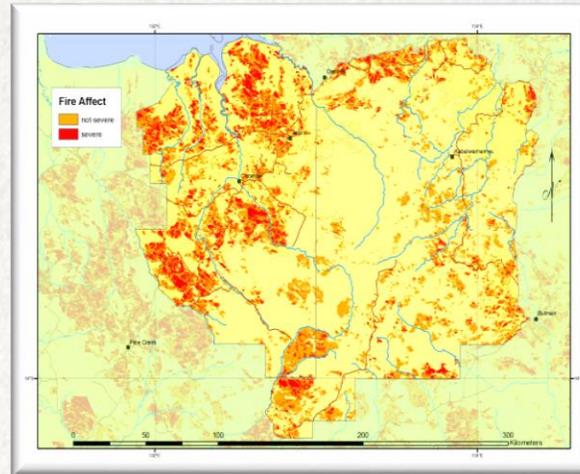


Methods Development

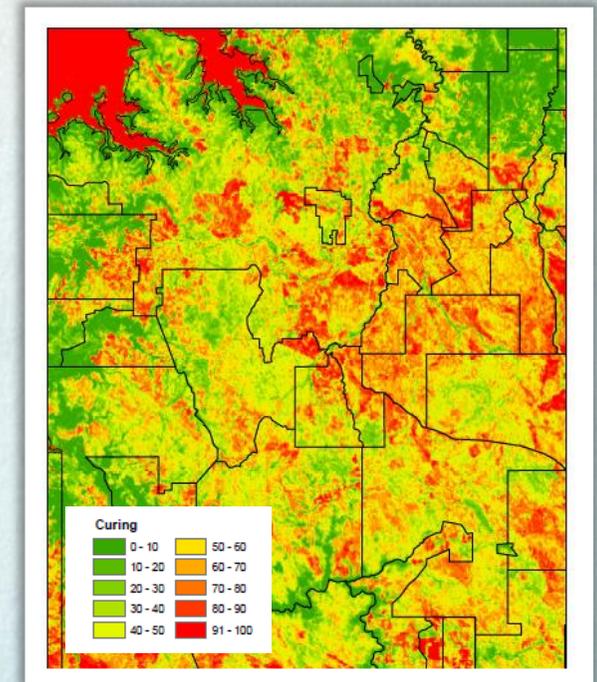
Living biomass sequestration



Fire Severity



Curing



Vegetation Fuel Mapping

Pindan

- Fieldwork undertaken in 2016
- Additional work required for seasonality of patchiness and combustion
- Good fuel accumulation relationships with time since last fire
- Map of area almost complete

Training

- North Australia Bushfire and Natural Hazard training CRC program
- Curing and fuel load field measurement training
- Fire behaviour simulations with Indigenous and Park Ranger staff in Northern Territory



**Digital mapping tools & spatial
information for fire management**

Students

Kate Van Wezel - Remote indigenous women's involvement in fire management

Grigorijs Goldbergs - Biomass from LiDAR up to broad scale

Sun Jing - Fine scale operational urban burnt area mapping