



bushfire&natural
HAZARDSCRC

NORTH AUSTRALIAN BUSHFIRE AND NATURAL HAZARD TRAINING

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An Australian Government Initiative



BUILDING COMMUNITY RESILIENCE IN REMOTE NORTH AUSTRALIA

- Large 'action research' component.
 - Transform current fire/emergency/land mgt
- Build on Existing Capacity / Capability
- Nexus between:
 - Fire / emergency / land mgt &
 - Payment for Environmental Services
 - Traditional knowledge
 - North Australian 'world view'

WHY NEW TRAINING FOR THE REMOTE NORTH?

- Sendai Framework
 - Govt's at all levels coordinate
- National Strategy for disaster resilience
 - National Equity
 - Bottom-up' development of BNH resilience?
- Current training contains much that is not relevant to north Australia
- Current training omits much that is necessary for northern Australia [Constant complaints to this effect]
- Emerging understandings from new research
- Support emerging economic opportunities

WHY NEW TRAINING?



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WHAT STAKEHOLDERS WANT

- Focus on safety
- Emphasis on applied skills & knowledge
- Use the 'old ways'
- Delivery needs to be field based
- “kabardibukan” - apprenticeship style
- Training for 'here'
- Training for 'us'

WHAT STAKEHOLDERS WANT...

- Delivery of training that is:
 - Interactive
 - Tailored and locally relevant
 - Reliance on local expertise, use of elders & clan leaders
 - Strong practical component
 - 'On-ground' competence assessment
 - Incorporation of research and researchers
 - Iterative

TRAINING TO CAPITALISE ON NEW OPPORTUNITIES...

Without abatement activity
- baseline

Late fire

Emissions

100

Offsets

0



With abatement activity
- CFI project

Early fire

Emissions

80

Credits

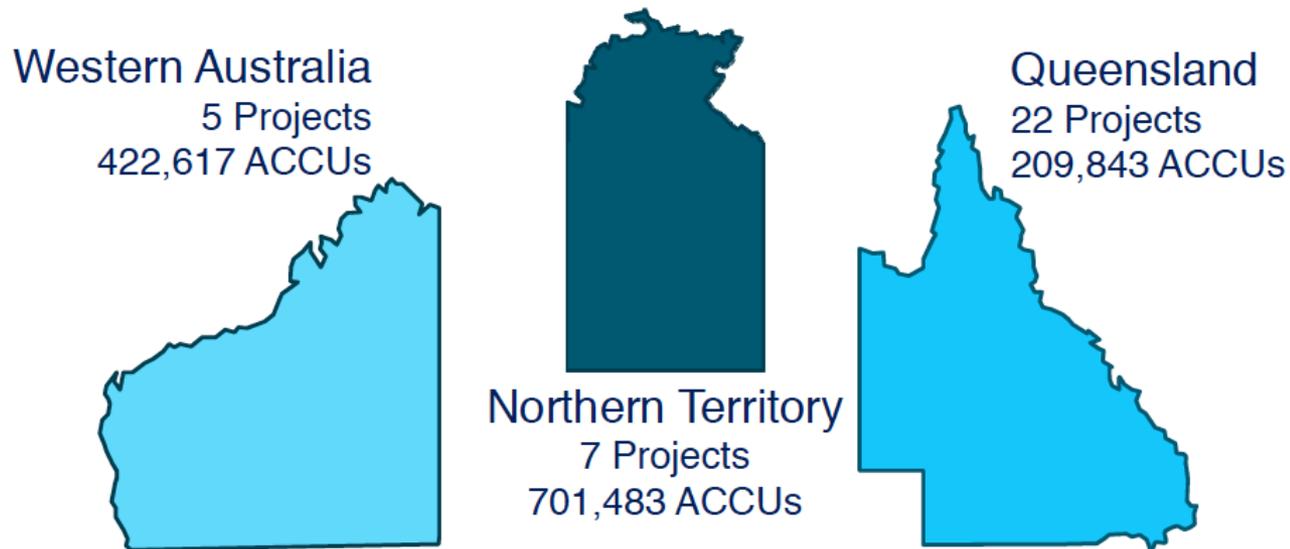
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Carbon credits earned from Savanna burning projects, as at March 2015

Note: 1 carbon credit = 1 t.CO2e = AUD15 (as of May 2015)

Current savanna burning projects



1,333,943 ACCUs issued for 34 projects

OVER-ARCHING OBJECTIVE

“Training that supports north Australian needs and world view”

-A fire regime that we choose

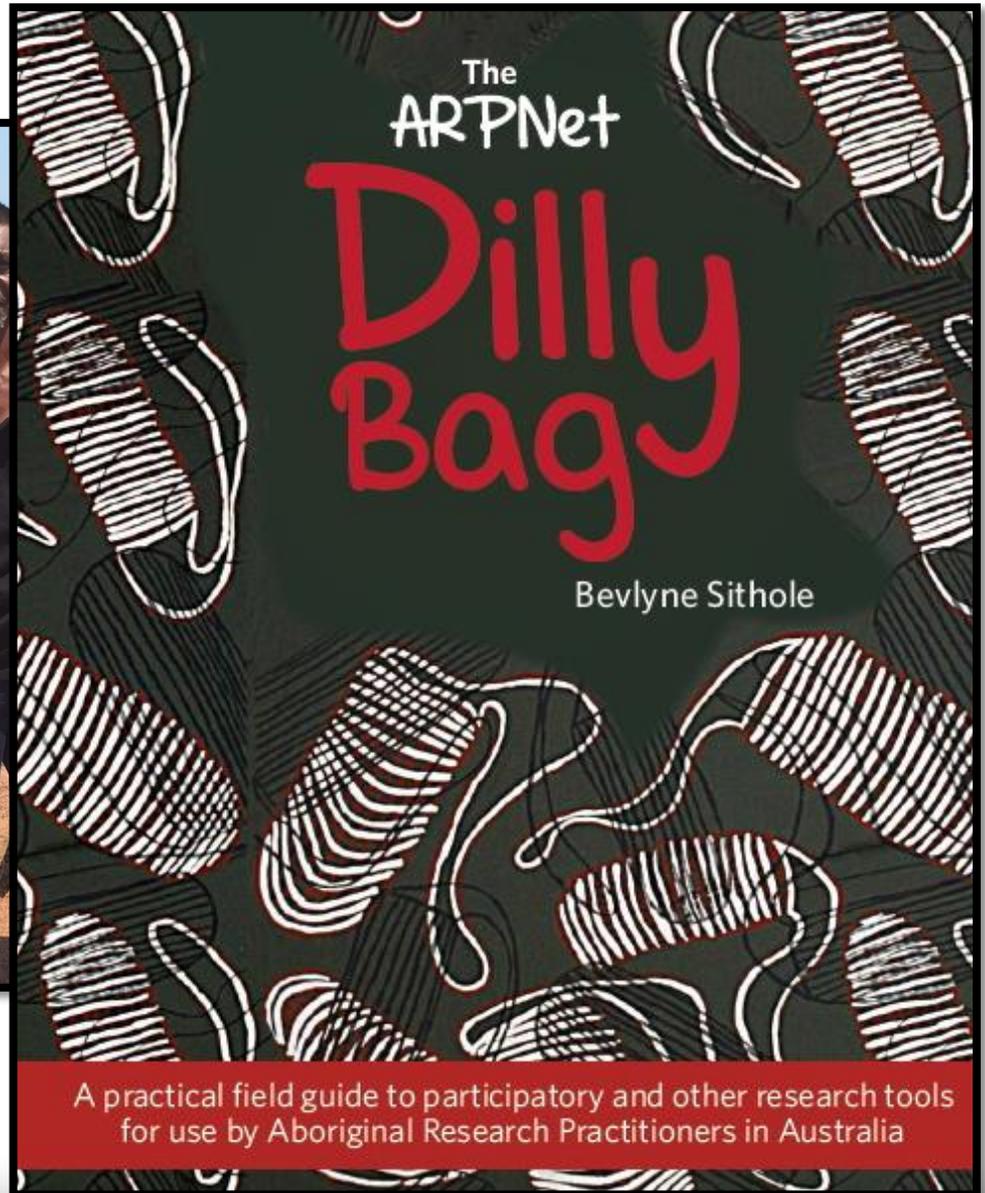
-Emergency management matched to our needs

TAILORING TRAINING

- Workshops
- Interviews with individuals
- Interviews with groups
- Participants from all three jurisdictions
BNH Agencies, Aboriginal organisations,
pastoral and horticultural producers

- Engagement of ARPNet

ARPNET



TRAINING UNITS

UNIT CODE	UNIT NAME	UNIT MATERIALS		
		Assessment Tasks	Activities	Resources+
TETBNH3 01	Non-Indigenous and Indigenous BNH Management Principles	Observation throughout course	Case Study & Expert Panel	
TETBNH3 02	Applying Indigenous Fire Management Processes in North Australian Contexts (Local Variant)¹	Portfolio	Practical Activities	
TETBNH3 03	Community Engagement and Cultural Protocols (Local Variant) ¹	Flow Diagram & Evaluation	Organisation Protocols	Film clips. & Notes
TETBNH3 04	Fire Management and the Law	Flow Diagram & Group Discussion Summary	Group Discussion	
TETBNH3 05	Digital Mapping Tools Used in BNH Management ¹	Practical Application & Assessment Task Booklet		Training Manual
TETBNH3 06	Apply Standard Operating Procedures (SOPs)	Debrief Participation		
TETBNH3 07	Participate in Debrief (Local Variant)			Film Clips
TETBNH3 08	Advanced Situational Awareness and Dynamic Risk Assessment (Local Variant)	Activity 1: Risk assessment in planning		
TETBNH3 09	Remote Tactical Leadership¹			
TETBNH3 10	Develop Operational Work Plans	Evaluate an OP		Examples of OPs
PUAFIR2 098#	Work Safely Around Aircraft	Supervised practical demonstration		Practical
TETBNH3 12#	Operate Aerial Incendiary Equipment	Supervised practical demonstration		

APPLYING INDIGENOUS FIRE MANAGEMENT



Otto Campion Bulmaniya

1st

Bush fire Project at Arafura Swamp Ranger Aboriginal Corporation (ASRAC)

Australia | Environmental Services

Current Arafura Swamp Ranger Aboriginal Corporation (ASRAC), Charles Darwin University

Education Adult Education in Ramingining Community North/East Arnhemland

Send a message

12 connections

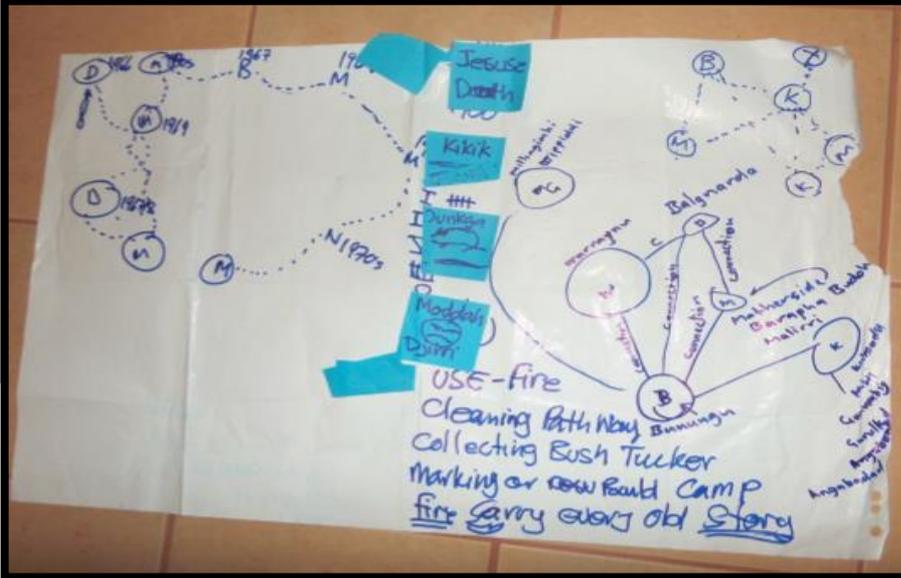
<https://au.linkedin.com/in/otto-campion-bulmaniya>



TRAINING UNITS

MumeKa Fire Management

Before	Today	Tomorrow
good Fire Plenty Animal People use	No Much help for bininj to go back Country to look after	To burning for that Country



Seasonal Calendar

(Walirr) Hot Weather or Build up
Dry lightning/Wind storms

(Gabbajalk) First Rain regrowth

(Worrkgo) First Flooding

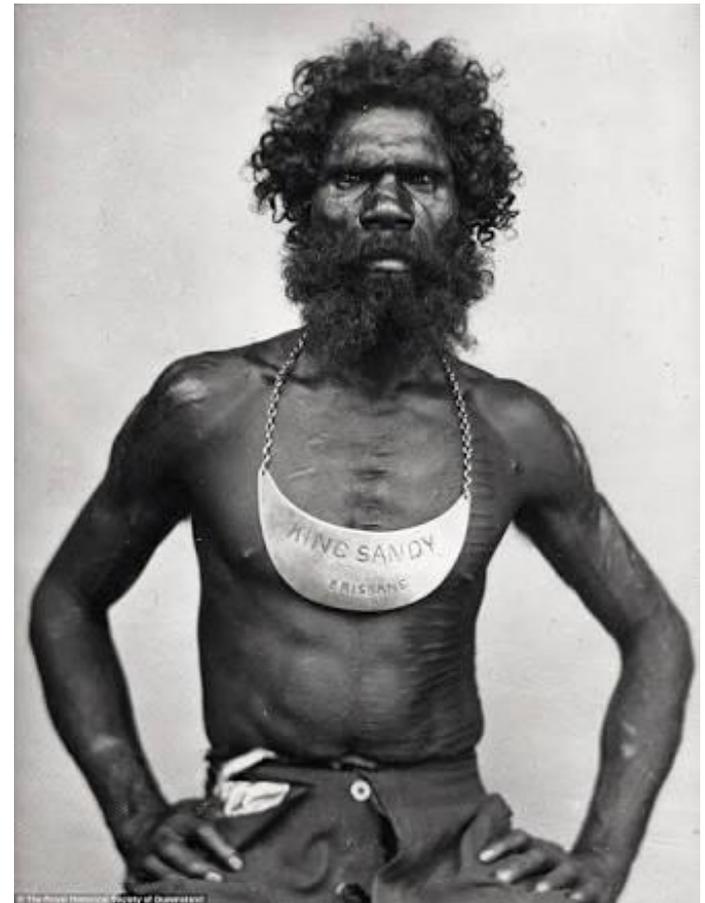
(Djuwalkga) Middle of Wet season
During Flooding not much
Planting only little fish
Fishing

(Kabekbek) Coming to Cool Weather
Time to go and burn early
Hunting & Gathering
Go out Camping Walken

(Marluwurru) Cool Weather
Flowering
More birds sound
Fat Animals to Hunt
Kangaroo Fire Drive
Fishing collect bush
Matarail Ceremonies

* Weather Changing
* More Cool/Windy

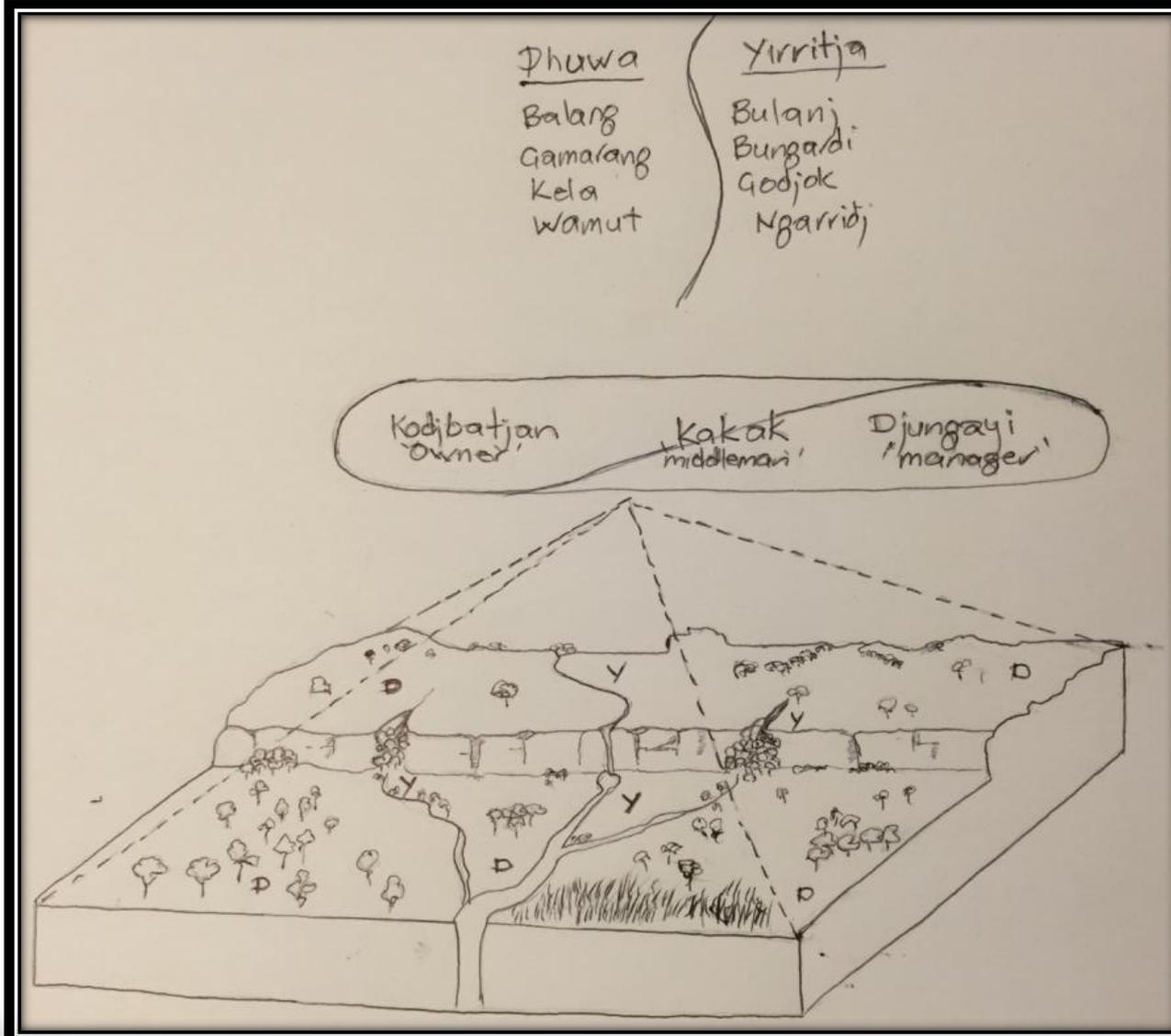
REMOTE TACTICAL LEADERSHIP TRAINING



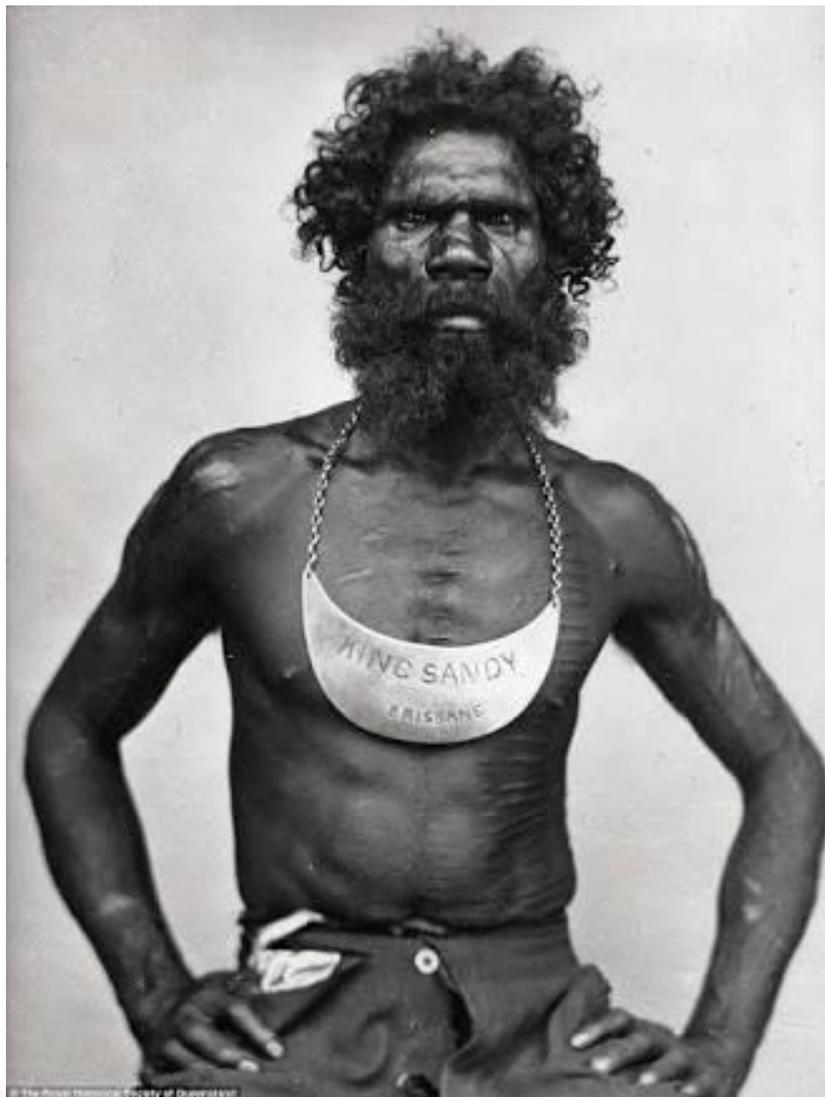
REMOTE TACTICAL LEADERSHIP TRAINING



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REMOTE TACTICAL LEADERSHIP TRAINING



NEXT STEPS...

- Deliver Pilot training
 - 3 Communities towards end of 2016 Dry
- Detailed Evaluation
 - Use ARPNet program to interrogate participants and teachers'
- Revise material
- Begin accreditation process



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THANK YOU

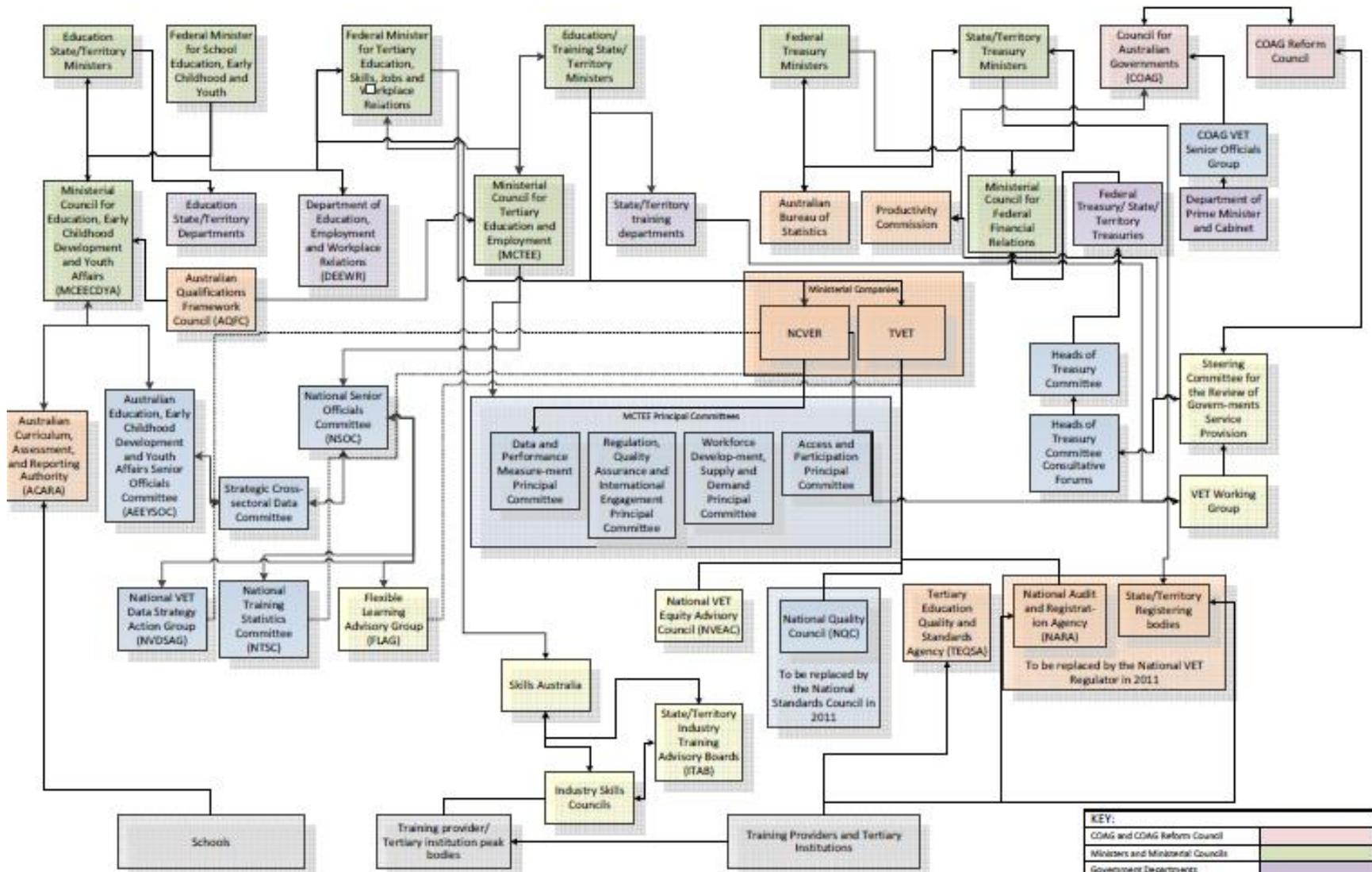
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KEY:

COAG and COAG Reform Council	
Ministers and Ministerial Councils	
Government Departments	
Committees of officials/experts	
Independent bodies, ministerial companies, statutory bodies, registering agencies	
Advisory bodies	
Schools/providers and their peak bodies	