ARE THE MATERIALS WE'RE USING SAFE? 9 IS CIRCULARITY SAFE? (IS CIRCULARITY INCLUSIVE? OCIRCULARITY IN THE REGIONAL CONTEXT: WE NEED TO START WITH

THE CIRCULAR ECONOMY IS MORE THAN JUST RESOURCERECOVERY

IN THE PUBLIC DISCOURSE — WE ALSO NEED TO CONSIDER UPSTREAM DESIGN

WE NEED TO CONSIDER THE ENTIRETY OF THE LIFECYCLE CHEMICALS & MATERIALS

THERE ARE QUESTIONS

& LACK OF TRUST IN

REGULATORY PROCESSES

-> WE NEED TO BE CONSCIOUS OF

BROADER MESSAGING:

E.G. BENZINE IN FUEL IS OK

... BUT NOT IN TUR SOIL



WE NEED TO COME BACK TO THE RESEARCH TO BALANCE OIT THE MEDIA'S ~SENSATIONALISATION~



PEOPLE WHO ARE SCARED DON'T WANT STATS OR

SCIENTIFIC LANGUAGE NE NEED SPECIFIC INFORMATION TO SUIT

PEOPLE IN THEIR CONTEXT

LACK OF TRUST IN

EXTRACTION/MINING WASTE FACILITIES



FOLLOWED BY INSTALLATION OF

SOCIAL, CULTURAL & ENVIRONMENTAL E.G. WASTE

KNOWLEDGE DISPERSION
NEEDS TO HAPPEN IN
A WAY THAT THE PUBLIC - PILOT STUDIES HELP TO UNIONE SPATIAL CONSIDERATIONS CAN UNDERSTAND 4 THEN TAKE ACTION 19 6

E.G. DISPOSAL DEFINE TOXICITIES OF BATTERIES \\ IN PLASTICS

DUMPING IN BUSHLAND

THE RISKS ARE BOTH IN TYRES, EVERY

REAL AND PERCEIVED the role

HOW DO WE CREATE

PROTECTED SPACES

FOR INNOVATION?

WE DON'T WANT TO SUGGEST POTENTIALLY DANGEROUS SOLUTIONS

understanding

what is "safe"

THE SAFETY OF

CURRENT SOLUTIONS

SHOULD BE THE FOCUS

WHO'S BEING ASKED TO HOLD THE RISK?

THERE ARE NO SILVER BULLETS

how does Scaw

create impact?

how do we

create safe

circularity?

WHAT WORKS IN ONE PLACE WON'T WORK IN ANOTHER ... BIO-BASED PLASTICS?

INFORMING

COMMUNITY

PERCEPTIONS

& PREFERENCES

... DO WE HAVE THE INFRASTRUCTURE THAT WE NEED?



local contexts & communities

OF PURPOSE & PRIORITISE REGIONAL & REMOTE COMMUNITIES

NE NEED TO THINK ABOUT ECONOMIES

... MANY ARE ALREADY MAKING CHANGES WITH THE RESOURCES THEY HAVE

REGULATION LOOKS DIFFERENT IN THE SHIFT FROM LINEAR

MATERIAL IS

DIFFERENT

& CARRIES DIFFERENT

IMPACTS & RISKS

TO CIRCULAR ECONOMIES

REGULATING DOWNSTREAM DOESN'T ALWAYS MAKE SENSE: WE HAVE NO INFLUENCE ON WHAT GOES INTO IMPORTED TYRES

POSE A CHALLENGE

INCREASE

LIKELY TO

policy & regulatory

WHEN WE DON'T KNOW ENOUGH THEY'RE OVERLY CAUTIOUS

landscape

REGULATIONS ARE OFTEN BASED ON HUMAN SAFETY-BUT MAY NOT TAKE A HOLISTIC VIEW

> REGULATIONS HELP PREVENT HARM,

THEY DON'T MAKE GOOD THINGS HAPPEN

PREVENTATIVE LEGISLATION IS BETTER THAN A POST-HARM LENS

> THIS IS SOMETHING WE COULD INFORM

WILL HELP CREATE ACCOUNTABILITY FOR INNOVATORS



IN 1P3 WE ARE:

(2) UN DERSTANDING WHAT LEACHES OUT OF TYRES & E-WASTE



3 BUILDING A KNOWLEDGE BASE FOR INDUSTRY REGULATORS & COMMUNITIES

building & sharing knowledge



RESPARCHING WHAT SCHEMICALS ARE ESSENTIAL FOR WELLBEING

> THE - ECONOMIC - BENEFITS OF THE CIRCULAR ECONOMY

WE NEED TO COMMUNICATE

WE NEED TO GET KNOWLEDGE FROM RESEARCHERS OUT TO COMMUNITIES

GOVERNMENT, BUSINESSES PLANE & communities need WORK TOGETHER



START FROM SCRATCH: WE CAN LEARN FROM WHAT'S HAPPENING INTERNATIONALLY

WE DON'T HAVE TO

HOW COULD POLICY DRIVE BETTER SOLUTIONS THROUGH LEVIES, ETC?

SHOULD REMOVE BARRIERSTO INNOVATION



PANEL 1: WASTE RESOURCES-SAFE CIRCULARITY





LET'S YARN ABOUT SMOKE AN INDIGENOUS COLLABORATION

AIR QUALITY SENSORS

how does your work contribute to building sustainable communities?





METRICS TO MEASURE CIRCULARITY

ANALYSIS OF AUSTRALIAN COMPETITION

PLACE-BASED INITIATIVES ESPECIALLY IN INDIGENOUS COMMUNITIES

MEASUREMENT SET OF INDICATORS TO APPLY AT -LOCAL GOVT.
THE -NATIONAL LEVELS

economy

GROUND LEVEL

CIrcular

THE POLICY NARRATIVE IS CHANGING

EMISSIONS

()SCALE & MATERIAL FLOW (SOURCE&SINK)

THREE DOMAINS OF ②ECONOMIC USE OF 🔼 OUR FRAMEWORK RESOURCES

3 DISTRIBUTION & -NHO WILL BENEFIT? framework

IMPACT C - POLICY FRAMEWORK-- LURRENTLY WORKING WITH COMMUNITIES TO EXPERIMENT

ON DEMO PROJECTS

COMMUNITIES ARE REQUIRED TO ADOPT APPROACHES FROM URBAN AREAS

HE MORE COMMUNITIES TAKE ON, THE USS RESOURCES THEY HAVE

SUPPORTING PEOPLEQ IN PLACE -

LIVEABILITY

IN REGIONAL & REMOTE @c ommunitiES

RECOGNITION OF UNIQUE CHALLENGES IN REGIONAL I REMOTE COMMUNITIES

INITIATIVES O- WHAT WOULD - KATA JUTA - COUNTRY CENTRED THIS LOOK LIKE? water in sustainable

NETWORKS / CAPABILITIES

O-COMMUNITIES ON THE GROUND

`△、OF PRACTICE →PLACE-BASED

DEVELOPING A NATIONAL PLATFORM,

REINVIGORATING WATER ONTOLOGIES

FOR 'INCLUSIVE

WERE CRUCIAL

HUBFOR RESOURCES

FIRST NATIONS WAYSOF KNOWING

PEOPLE WHO ARE 22% MORE CONNECTED WITH NATURE ARE

TO DO NATURE-BASED ACTS

LACKING ACKNOWLEDGEMENT OF FIRST NATIONS WATER RIGHTS

EXPLORING -"AQUA NULIUS"

DEEP LISTENING & UNDERSTANDING OPPORTUNITIES TO SUPPORT IN A MEANINGFUL WAY

BRINGING FIRST NATIONS WATER LEADERS TOGETHER

INCORPORATING ALL IP AREAS IN THE HUB

HAS OPENED UP NEW PATHWAYS & POSSIBILITIES

- RECOGNISING : OF WATER FOR COMMUNITIES EMPOWERING FIRST NATIONS

COMMUNITIES

20000



OF GUIDANCE 4 TOOLS

(HON TO IMPLEMENT SOLUTIONS)

(1PI)

COLLABORATION IS KEY TO BUILDING CIRCULAR ECONOMIES

WERE WORKING CROSS-SECTOR

BECAUSE WE HAVE TO

NE WANTED TO KNOW

WHAT'S HAPPENING ON THE GROUND IN

REGIONAL & REMOTE

COMMUNITIES

WE NEED TO START WITH A

DEEPER UNDERSTANDING

OF THE CONTEXT BEFORE

FRAMEWORKS

THINKING ABOUT

COMPLEMENTARY TO ALL IP AREAS

OUR WORKSHOP ON MANAGING WATERHOLES HELPED US UNDERSTAND BIGGER ISSUES

WE WERE INVITED INTO THE PROJECT IN ULURU BY PARKS AUSTRALIA

necessary

IT SHIFTED OUR VIEW: WE CAN'T ONLY SEE SUSTAINABILITY THROUGH OUR LENS

WE NEED TO BE HOUSTIC 24 COUNTRY-CENTRED how has collaboration made a difference in your work?

CONVERSATIONS NEED TO BE HAD. RESEARCHERS NEED TO REACH OUT - OUR RHETORIC IS IMPORTANT FOR ENGAGEMENT

URBAN GREENING'

TO TAKE PEOPLE COMMUNITY Engagement ON THE JOYENEY WITH YOU

🖚 HEALTHY

PEOPLE NEED

-30 MIN SESSION LED BY

HEALTH PRACTITIONER

LANDSCAPE ARE INTRINSICIALLY CONNECTED

HELD IN A GREEN SPACE TO DEMONSTRATE THE 7 PHYSIOLOGICAL BENEFITS OF BEING IN NATURE NATURE

SOME LINKS TAKE TIME

- TO GROW-

- COLLAB WITH COUNCIL

HEALTHY

FOUR COMMUNITY -> CO-DESIGNED SOLUTIONS ARE CONSULTATIONS MORE LIKELY TO BE SUCCESSFUL & LEAD TO REAL WORLD

INDIGENOUS-LED WORK BROUGHT ALL HUBS TOGETHER, HELPING US UNDERSTAND OUR PRIORITIES

THE LEADERSHIP WE'VE BEEN OFFERED HAS OPENED DOORS IT HAS BEEN INTEGRAL it opens up opportunities



ROUND TABLES & WORKSHOPS ENABLED US TO BUILD A STRONG FOUNDATION

SCAW WED

PANEL 2: SUSTAINABLE COMMUNITIES



waste as a resource: how is it changing?

KERBSIDE RECYCUNG DIDN'T EXIST 30 YEARS AGO

FROM LOCAL GOVERNMENTS

IMPACT OF CHINA'S

NATIONAL

2019 NATIONAL WASTE

POLICY ACTION PLAN

SWORD

POLICY

.BUT WASTE IS OFTEN STILL SEEN AS RUBBISH

NOT A RESOURCE WE'VE HAD TO GET INVOLVED IN RESPONSE TO BAD POLICY



SHOALHAVEN CITY LHD GREEN CERAMICS MICROHUB HAS ALREADY PRODUCED 800KG 3D PRINTING FILAMENT 4 THOUSANDS OF TILES



changing perceptions



COMMUNITY BELIEVE IN CIRCULAR WHAT WE DO



CHANGING TO A SYSTEMS POINT OF VIEW, TRANSITIONING TO A CIRCULAR ECONOMY







ECONOMY

- **(6)** REDUCE MATERIALS EXTRACTED FROM NATURE FROM 30-27 TONNES
- O DOUBLE CIRCULARITY RATES FROM < 5% TO < 10% BY 2035
- **®** REDUCE GREENHOUSE GASES BY 14% -\$20BN GDP

ACT = FRONT OF PIPE SOLUTIONS

IDENTIFYING OPPORTUNITIES

SCIENTISTS & UNIVERSITIES

TO PARTNER WITH

SHOALHAVEN CITY LHD



END OF LIFE 1YRES & CONVEYOR Ba13 -WE LEARN THROUGH CASE 6

STUDIES... WE ANALYSE DATA FOR INSIGHTS & POSSIBLE BARRIERS...

. WE'RE EXPLORING HOW TO IMPROVE POLICY TO INCREASE VALUE RECOVERY & TO KEEP RESOURCES OUT OF LANDFILL



TOURED MICRO FACTORIES,

THE ACTIONS OF

RANGERS TO MANAGE

OBSERVED & DISCUSSED

INTEGRAL ENGAGEMENT WITH COMMUNITY

-> AUSTRALIAN CIRCULAR ECONOMY HUB 2022 MINISTERIAL ADVISORY GROUP = FRAMEWORK

·WHAT CAN BE REUSED & HOW





CARING FOR COUNTRY HAS HAPPENED FOR GENERATIONS



-HOW DO WE DEAL WITH NEWER MATERIALS LIKE PLASTIC?

- HOW DO WE PROTECT ARNHEM LAND FROM A CONSTANT TIDE OF RUBBISH FROM AROUND THE WORLD?



designing out

the problem

INTERCEPT

RMBBISH

ON THE

WAY TO

LANDFILL?

HOW DO WE

FIRST NATIONS THINK TANK ON COUNTRY IN N.E.
ARNHEM LANDS

GROUPS GATHERED TO TALK ABOUT PLASTICS ON BEACHES





REMOTE COMMUNITIES DON'T HAVE RESOURCES& FACILITIES TO MANAGE NETS OFTEN INSTEAD

BURNT OR BURIED

AHAT IS COUNTRY CARVED INTO A CONVEYOR BELT THESE MATERIALS BECOME AN EXTENSION COUNTRY

BEACHES ARE CULTURALLY SIGNIFICANT. THIS ISN'T JUST A "PLASTICS PROBLEM"

THERE ARE DIFFERENT WASTE CHALLENGES IN METRO

& REGIONAL AREAS

> THERE'S NO SUCH THING AS "ONE SIZE FITS ALL"

-WE NEED MULTIPLE PATHWAYS







REMOTE COMMUNITIES DON'T HAVE ECONOMIES OF SCALE

مُمْهُ

SCAW HUB BRINGS DIFFERENT GROUPS TOGETHER-APPLYING WHAT WE'RE LEARNING. LISTENING TO EACH OTHER

SCAW WED 5fB DAY 2025