

Erinn Carter JBS&G



Presentation

Improving public accessibility, engagement and confidence in the EIA system

Biography

Erinn is a Project Manager with the Assessments and Approvals Team at JBS&G. Based in Adelaide, she has experience in providing environmental services to a wide range of clients and projects across Australia and overseas; including environmental approvals services in the mining, oil and gas, defence and infrastructure sectors. Erinn graduated with Honors in Environmental Policy and Management from Adelaide University, and has almost 5 years experience working as a consultant, on secondment to mining companies, and within government.

Abstract

A strong impetus for change in EIA in Australia is currently underway, driven by the need for increased public accessibility, engagement and confidence in the EIA system. Simply providing stakeholders with access to project information and EIA in the traditional manner; which, even for a young professional can be highly technical, inaccessible and incomprehensible; does not provide for a true participatory process. The technologies of the "future" are becoming common instruments in the EIA toolkit to overcome this technical barrier and build understanding.

Developing a common language through employment of digital media, a language which many stakeholders are already fluent, allows for more meaningful engagement and informed decision making. Employment of these tools now and in the future to provide for greater involvement of stakeholders will see a greater emphasis on integrity and accountability, and a need for the promotion of greater consistency in the EIA process. Impelling EIA to its full potential will require a broader sustainability framework, which recognises the needs of future generations, in line with the rise of the sustainability agenda. Opening dialog with stakeholders will allow for greater understanding of beneficial outcomes and positive impacts of developments, as well as the potentially negative.

Improving Public Accessibility, Engagement and Confidence in the EIA System

EIANZ Foundations for Tomorrow 2016

ERINN CARTER



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Environmental Impact Statements



What is wrong with this?



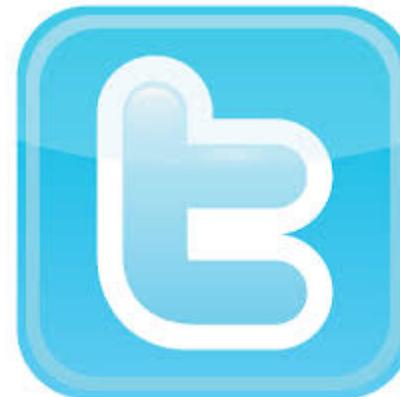
- Inaccessible
- Highly technical
- Non-visual
- Daunting



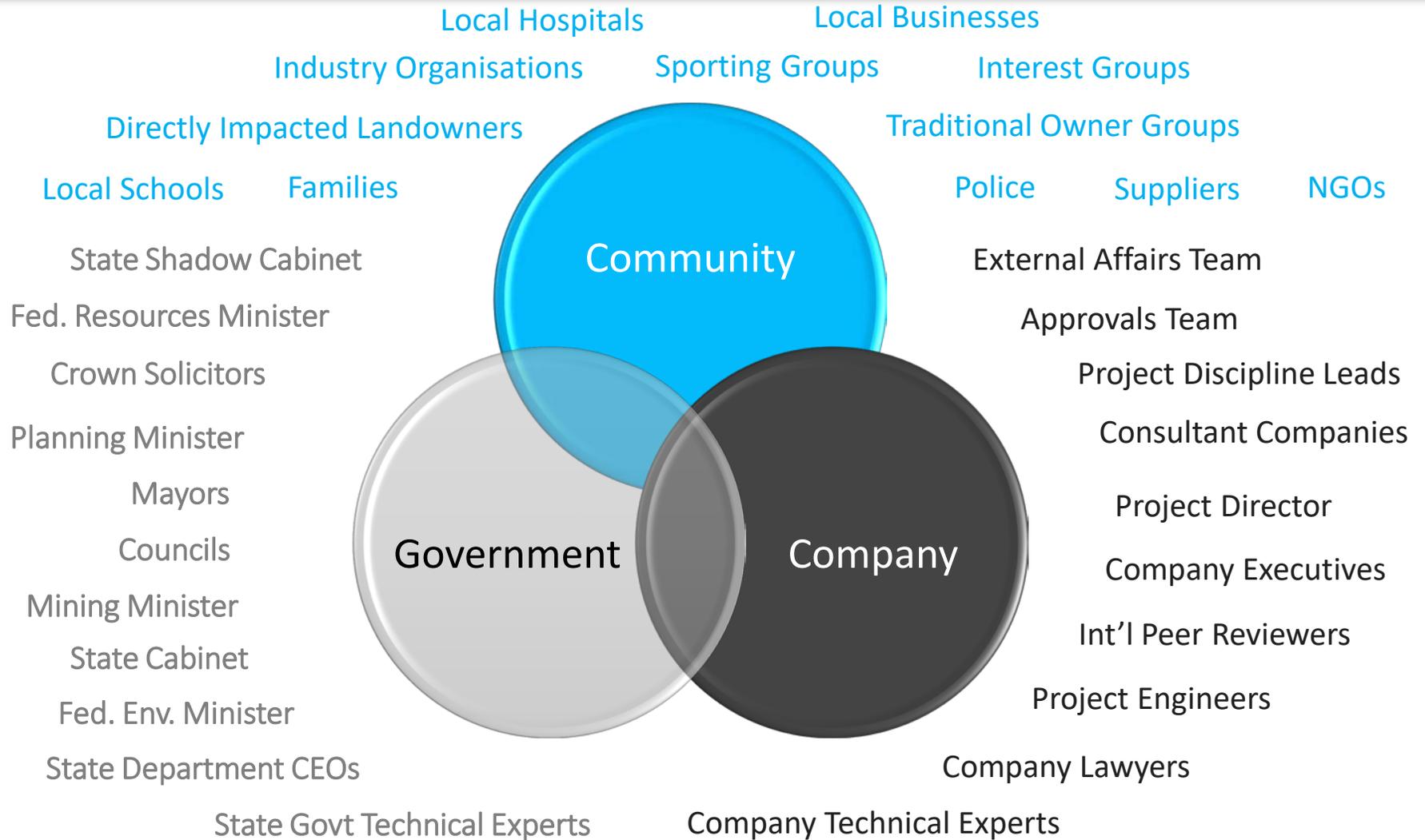
Does it Address Stakeholder Engagement



- It's technical and confusing
- We don't all speak the same language
- Increased public accessibility and scrutiny through social media
- Word travels fast – misinformation is easier and faster to disseminate
- Stakeholder identification is getting more advanced
- More interested parties
- Need to engage early



Stakeholders



Information Processing Styles



Auditory



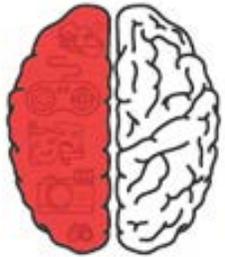
Kinesthetic



Visual

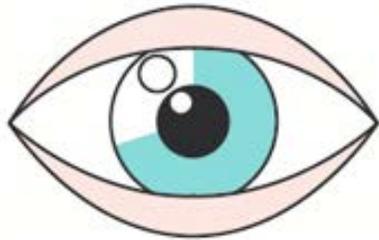


We are visually wired



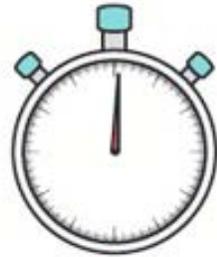
ALMOST
50%

of your brain is involved
in **visual processing**



70%

of all your **sensory**
receptors are in your eyes



1/10
OF A SECOND

is all it takes you to
understand a **visual scene**



10%

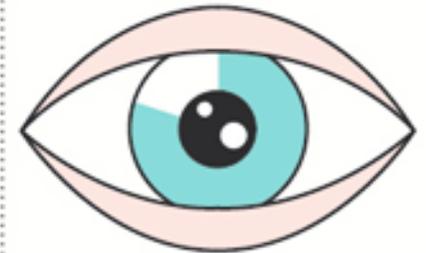
of what they **HEAR**



20%

of what they **READ**

People remember:



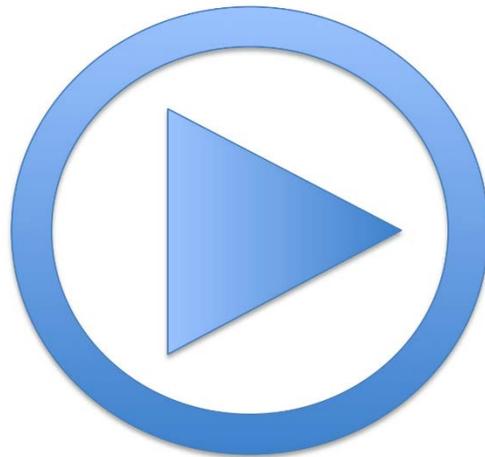
80%

of what they **SEE and DO**

What tools can we use to improve how EISs are received?



- Technology has provided a range of tools that can be applied
- Visual-based options are increasingly used during stakeholder engagement





acting responsibly

innovations

cleaner energy

sustainable water practices

hydraulic fracturing

our environmental impact statement

> terms of reference

> environmental and social management plans

> government approvals

> pre-clearance surveys

> management plans

> infrastructure facility of significance process

Our Environmental Impact Statement

An EIS (Environmental Impact Statement) is a document prepared to describe the potential impacts of a proposed activity on the environment. An EIS describes the impacts, and documents ways to avoid, minimise or mitigate potential negative impacts of a project.

The EIS Process +

Environmental Impact Statement PDFs -

Below are downloadable PDFs

- [Executive summary](#) (5.2MB)
- [Our Commitments](#) (1.3MB)

Volume 1 - Project overview -

[Chapter 1](#) - Introduction (1.6MB)

[Chapter 2](#) - Project approvals (335KB)

[Chapter 3](#) - Sustainability (376KB)

[Chapter 4](#) - Risk assessment (335KB)

[Chapter 5](#) - Cumulative impact assessment (3.2MB)

[Chapter 6](#) - Australia Pacific LNG commitments (464KB)

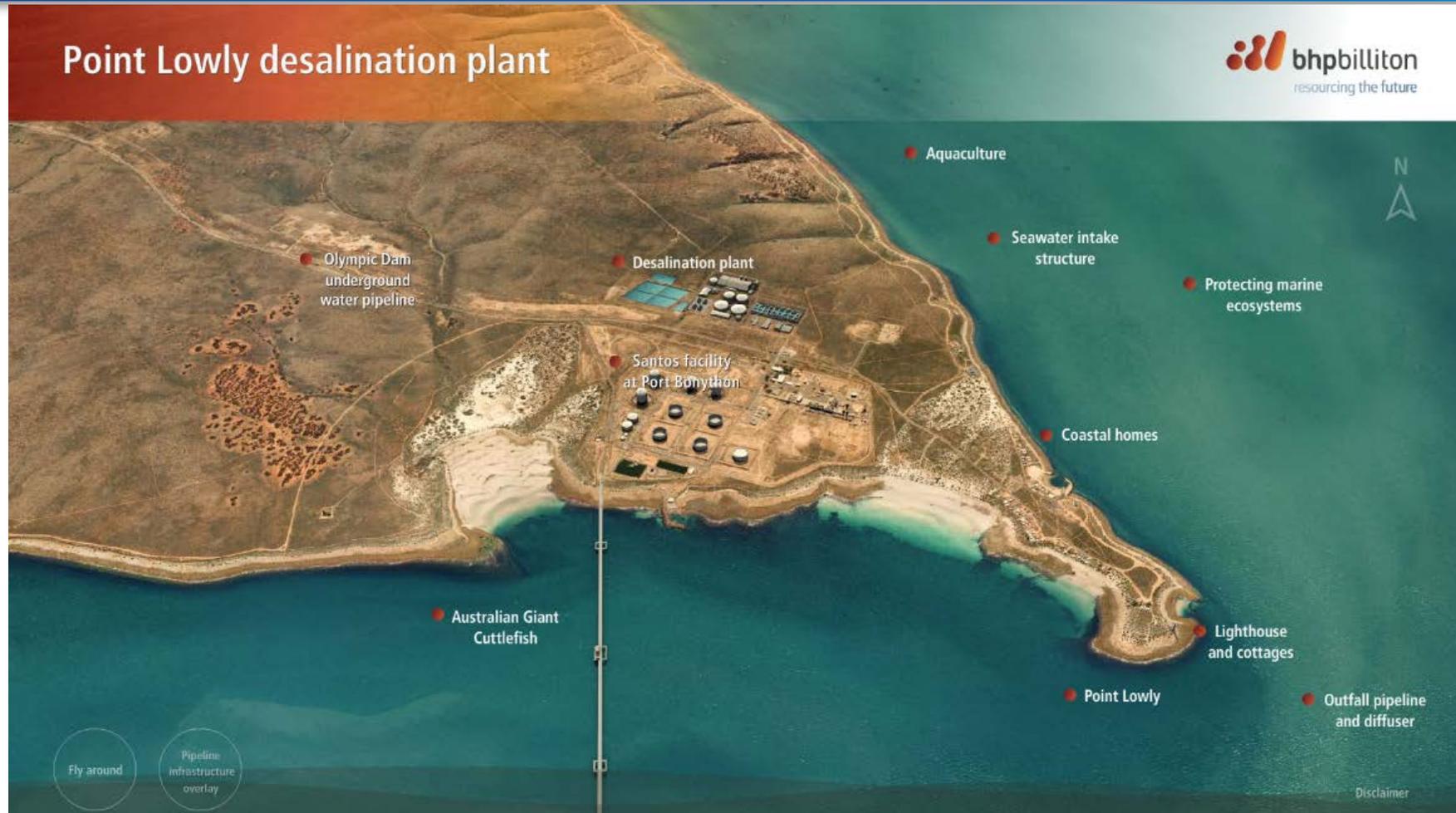
Volume 2 - Gas fields -

[Chapter 1](#) - Introduction (26KB)

[Chapter 2](#) - Stakeholder engagement (1.1MB)

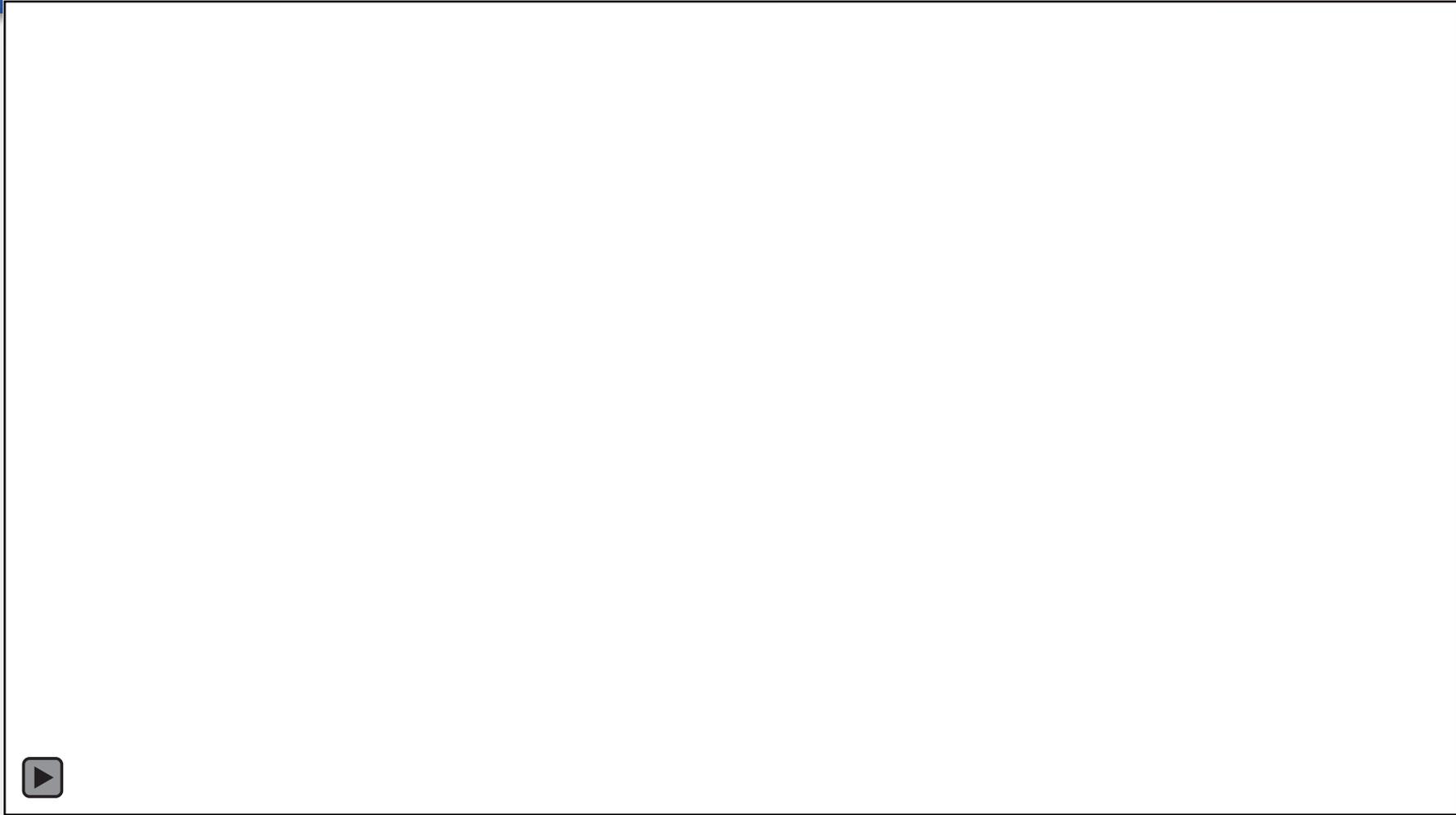
[Chapter 3](#) - Project description (9.6MB)

Interactive EIS





Animation



Animation



Animation





Virtual Reality and Augmented Reality

AR overlays interactive digital information on top of the physical world, while VR replaces the real world with a simulated one.



Virtual Reality and Augmented Reality



*Virtual Reality 360
degree training theatre*



Video Brochure



Brochure with full LCD screen





Potential Issues

- Integrity and accountability (trust?)
 - Provides more scope for stakeholders to interrogate data.
 - Responsibilities with use of imagery
- What is the approval?
- Consistency in the EIA process, not every proponent will be using this level of sophisticated technology.



Opening dialog with stakeholders will allow for greater understanding of beneficial outcomes and positive impacts of developments, as well as the negative.



Thank you

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