

Teaching Showcase 11 November 2009

**Buyat Bay: a cross faculty online role play** 

### team

#### **Public Health**

- Alison Rutherford (CC)
- Sophie di Corpo

### **EnRole project**

Elizabeth Rosser, UNSW Elizabeth Devonshire, USyd Robert McLaughlan, UTS

### **Mining Engineering**

- David Laurence (CC)
- Chris Daly
- Carol Russell
- John Paul Posada

### structure

#### **Public Health**

- Environmental Health
- □ 12 week ext 6U course

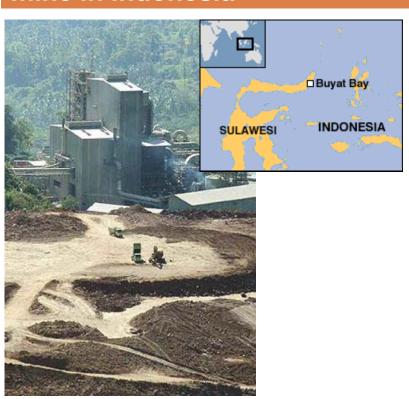
### **Mining Engineering**

- EnvironmentalManagement
- □ 7 week ext 6U course

7 weeks in Semester 2 2009
50% course marks
Identical assessment
~20 students per group

## setting

# Based on real life events of mine in Indonesia



material added – mine to

Aim: to gain a greater appreciation of inter-disciplinary perspectives to inform your professional practice.

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# Learning outcomes

- Evaluate the perspectives of key stakeholders from both mining and environmental health
- Work as an effective member of a team to collaborate with other health and mining professionals.
- Apply technical skills to critically evaluate data used for decision-making
- Synthesise the various legal, political, religious and social influences and impacts on decisions about mine management, environmental sustainability and public health.

# principles informing design

#### aiming to motivate students

- Authentic, problem based
- 'State of perplexity' (Dewey)
   that fosters problem
   involvement
- Collaborative learning and reflective thinking

#### develop scenarios that

- Address diversity of our students
- Embed graduate
   capabilities within learning
   activities and assessments
- Provide opportunities for students to share their own experiences

## roles

### **PT Aurora Mine**

Mine Manager

**Environmental Manager** 

**Community Liasion Manager** 

### **Buyat Bay Community**

Local Village Representaive
Public Health Specialist

Public Forum

Government

Local Health Worker

Non Government Organisations

NGO Representative WHO Advisor

# main stages of role play

#### Individual

- Adopting role
- Exploring background and other information
- Preparing and posting a Preliminary Role Response

#### **Group work**

- Preparing and posting Stakeholder Position Statement
- Participating in 2 weekPublic Forum

Debrief

Debrief

#### Stage 1 Briefing Week 1-3

#### •Individual in MyeLearning VISTA

- Rules of engagement
- Background Briefing
- •Research and get into role
- •Prepare and post Preliminary Role Response by 3 August



#### Stakeholder Teams in MyeLearning VISTA

- •Review other role responses from your team
- Participate in peer discussions to formulate stakeholder views and strategy
- Prepare Stakeholder Position
   Statement for the Buyat Bay Public
   Forum

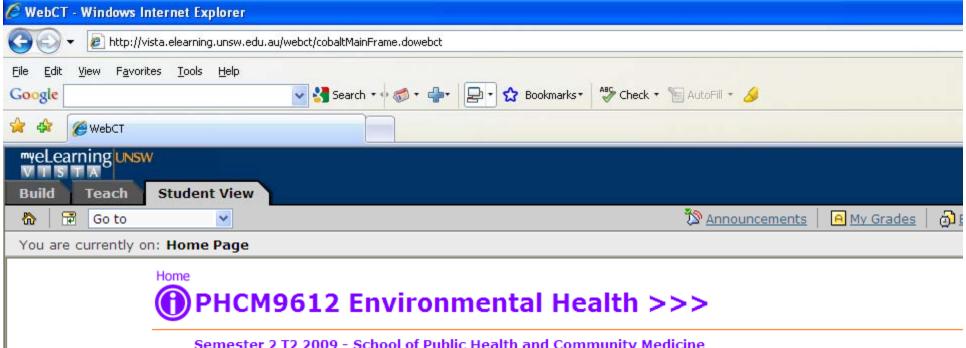
Stage 3 Buyat Bay Public Forum Week 5-6

- •Public Forum in MOODLE
- Stakeholder Teams Post Stakeholder Position Statement by August 17
- Actively participate in discussion and debate
- Make recommendations

Stage 4
Debriefing
Week 7

#### Stakeholder Teams Debrief

- Discussion to debrief learning in MyeLearning VISTA
- •Debrief Summary to be posted by 7 September to MOODLE



Semester 2 T2 2009 - School of Public Health and Community Medicine



All you have to do to get started including details of each of the online activities can be found here.



Resources

Your Course Notes and Readings, Guide and Information on Using V

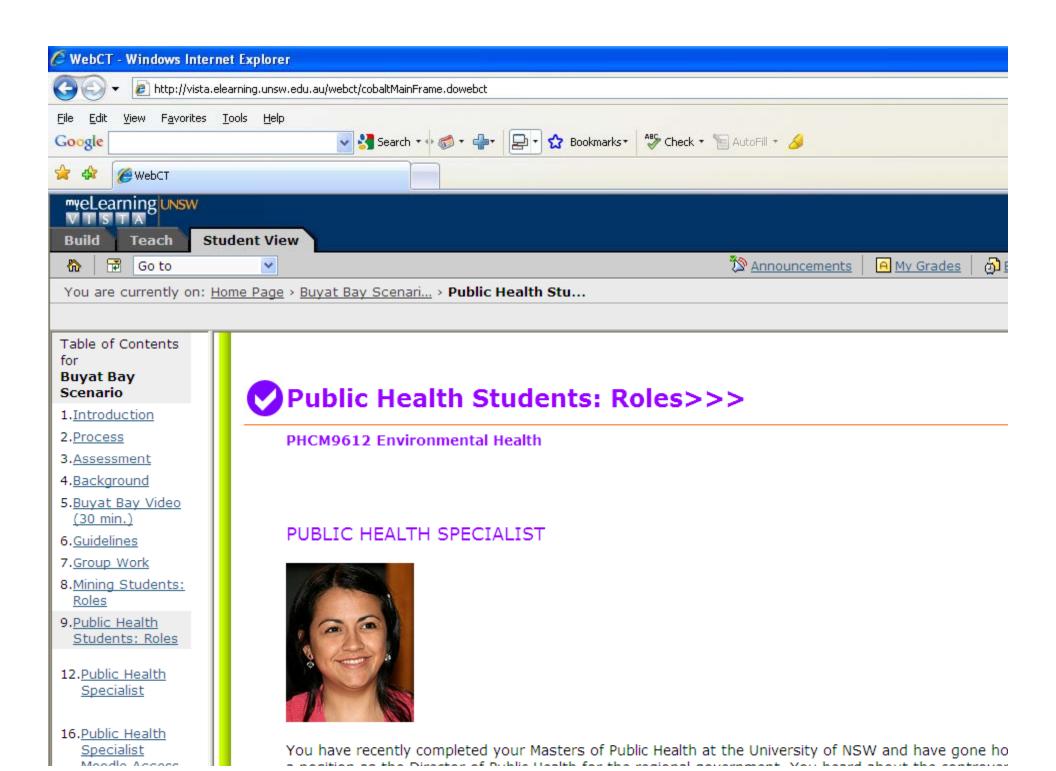


Evaluation

Please login to your Student Profile at myUNSW and click on the CATEI icon to view your course evaluation forms.



Buyat Bay



position as the Director of Public Health for the regional government. You heard about the controversy surrounding Buyat Bay in yo adolescence but weren't very interested prior to studying Medicine in Jakarta and Public Health in Sydney. You have been invited to a upcoming Forum to provide advice about whether the reopening of the mine will have impacts on public health and what sort of mor should be in place. You are now in a very prestigious position and look forward to using your new found skills to assist your commu

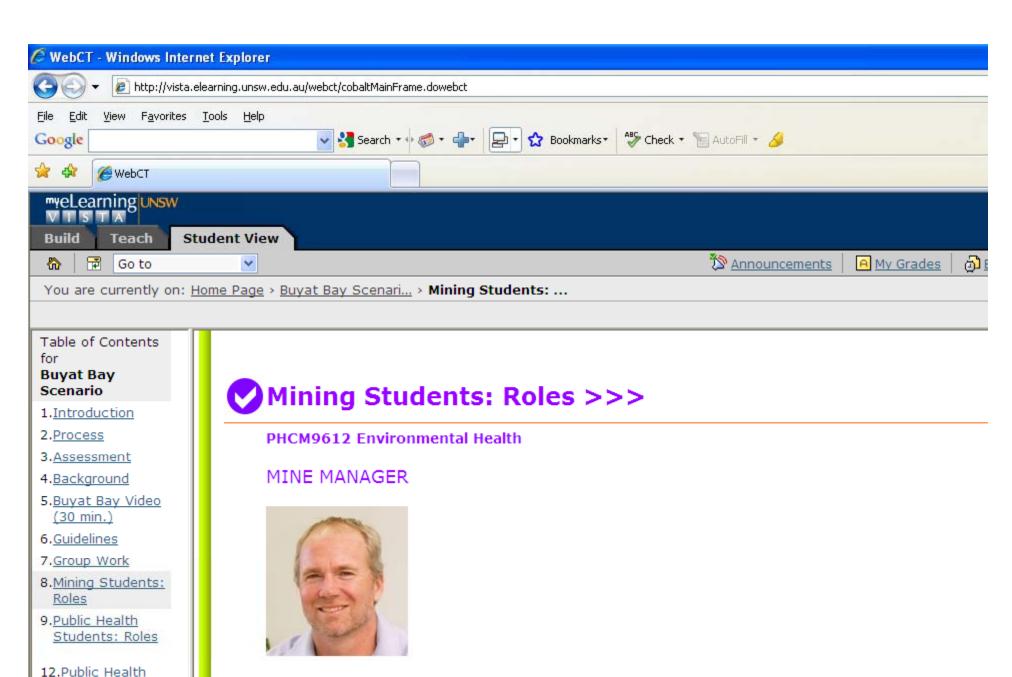
#### LOCAL HEALTH WORKER



You are a midwife and early childhood nurse who has lived in North Sulawesi all your life. You have delivered many of the babies borr the communities of Minahasa and conduct regular outreach clinics checking on and treating the babies and young children in the area frequently consulted by mothers concerned about the health and development of their babies. In particular, you have seen at least 5 born with severe birth defects in the last few years and are concerned that these may have been linked with pollution of the waters surrounding bays. Your supervisor based in Manado has asked you to attend the upcoming Forum to provide a local perspective on needs of villagers in the area.

#### WHO ADVISOR





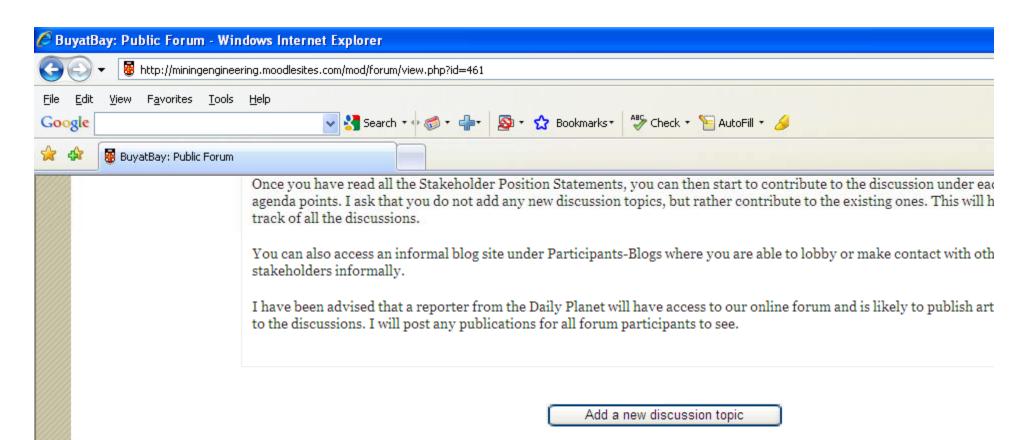
Specialist

16.Public Health

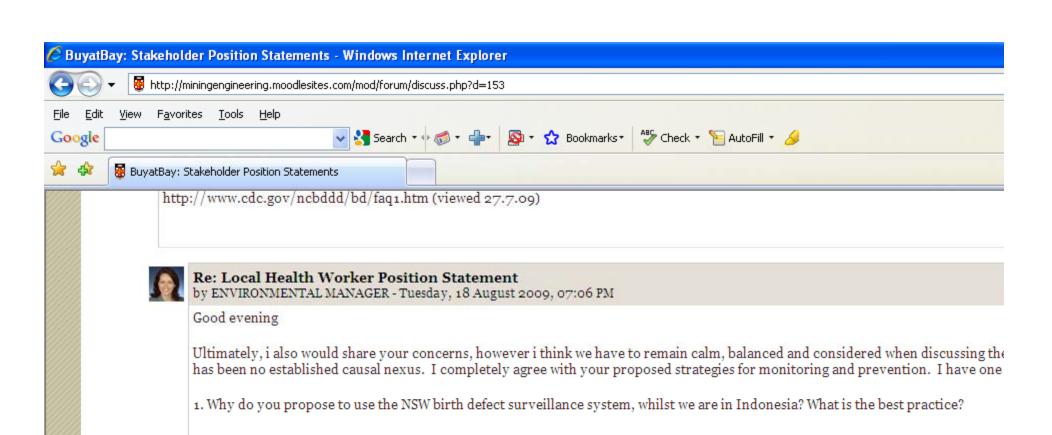
Specialist

You are an Australian national and have previously worked as a Mine Manager on several locations in A East Asia. You have comprehensive technical training in mining engineering from the University of New Masters of Business Administration from the Australian Graduate School of Management. You have sp Indonesia on this mine that is a joint venture between Australian and Indonesian investors that has a Perth, Australia. You have settled in the local area, having married a local Indonesian woman who runs





Discussion	Started by	Replies
Stakeholder Position Statements	GOVERNMENT REPRESENTATIVE	9
Agenda Item 2: Positive/negative impacts of new mine	GOVERNMENT REPRESENTATIVE	3
General Feedback on Forum	GOVERNMENT REPRESENTATIVE	1
Stakeholder Position Statement from Mine Manager	MINE MANAGER	1
Environmental Manager statement	ENVIRONMENTAL MANAGER	0
Agenda item 3: Monitoring/preventative strategies	GOVERNMENT REPRESENTATIVE	1
Agenda item 1: Evidence for environmental/health impact	GOVERNMENT REPRESENTATIVE	1



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#### Re: Stakeholder Position Statements

by LOCAL VILLAGE REPRESENTATIVE - Monday, 17 August 2009, 09:42 PM

Our village has been shown a video from Australia 60 Minutes of the Grasberg mine in Papua and we think that we may have many of the : We are most scared that the Government will use the military against us if we complain about the mine. We know it can bring us education this can not be at the cost of our health or of the environment.

Grasberg mine uses 1% of its income to pay for improving the local services and we think it should be good for us too.

Grasberg mine has problem with disease malaria tuberculosis as well as sex disease and we need to make sure the same does not happen I alcohol and prostitution we want our village to be a safe place.

The mine must always talk to the village so we understand what is happening. We need to be sure that the fish will not be poisoned if the m drink will not hurt us.

In the public forum I will represent my village they choose me because I speak good English. The village has a group of family elders who want for them to accept the mine starting.

## evaluation



- Piloted with 2 former students
- Student focus group midway
- Formal external evaluation with students and staff

# Conclusion

- Successful
- We think students met learning outcomes
- Assessments worked well
- Considerable planning/teamwork
- Challenges
  - Facilitation in forum
  - Platforms- design
  - 'Clean' scenario