



# Issues for Exploration

- Selecting simulations and games for different learning goals
- Creating the context
- Managing the learning process
- Facilitation skills and knowledge



#### Addressing Expectations A learning needs analysis activity

Step 1

- Write three expectations about this session - each on a separate card

#### Step 2

- Bundle up all the cards and pass them to the group on your left

- Step 3
  - Sort all the cards you receive into piles of 'like meaning'
  - Summarise each pile using 1 to 3 sentences

• Step 4

Write your summaries on the large sheets of paper. Nominate a
person to read them out



### What are Simulations?

Simulations help find or create answers to 'What if' questions

Suppose humanity disappeared from earth. What would happen?

• We can simulate that.

What should the composition of asphalt be if we want to use it on an airline runway in the Bahamas? In Alaska?We can answer this with simulations.

What do we need to know/be able to do when we enter an unfamiliar context?

· We can design simulations to learn answers to this



### What are 'Games'

Games always involve 'play' and, when most simple, have no purpose beyond enjoyment.

Both participants and designers can build *learning* into 'play' - e.g.

- Computer Games can be 'Serious' having a deliberate learning intent in their design
- Playground games can aid learning about good relations and communication
- Card games can be either 'fun' or 'learning' depending on context, users and goals

Learning Games - can use the form of any familiar game and even combinations of ideas



## How do we know which game or simulation to choose?

There is no single answer to this question

- Each time we choose we have consciously or unconsciously - considered such things as -
  - What do we want the learning to be about?
  - How mature are the participants?
  - How much time is available?
  - What materials are needed?
  - Am I confident I can manage the process and draw out the learning?
- Conscious, careful choices increase confidence and improve the learning quality







# Categorising Simulations and Games

• It is impossible to create a single categorising system to include all simulations and games



- They can be grouped in many different relationships
- Each new arrangement refers to particular features and possible uses



The following groupings are useful for understanding different activities























