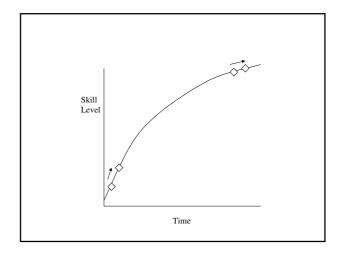
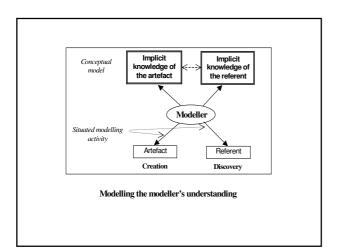
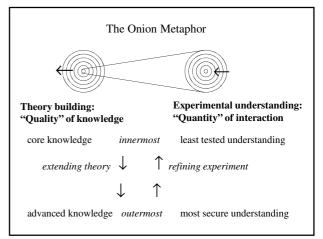
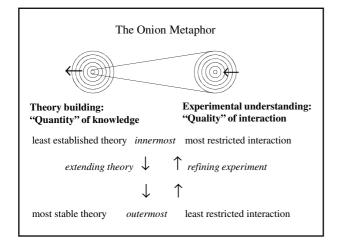
## The Onion Metaphor

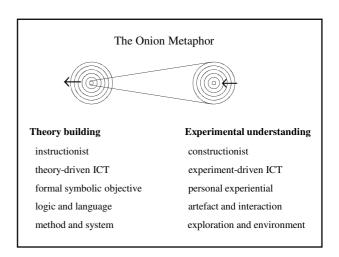
Beynon and Roe, 2002











## The SIN principle

- Situation
  - need context dependent representations of knowledge
- Ignorance
  - need to embrace idea of unknown but neighbouring knowledge
- Nonsense
  - need to be open to exploration that is open-ended and can lead to obscure/incoherent results
- Illustrated with reference to a clock model [#072]

## SIN in EM activity

- Situation observing
  - where am I? what do I observe in the situation?
- Ignorance experimenting
  - what if? what is my role? what is my purpose?
- Nonsense interpreting
  - does it make sense to ... ? how come ... ?

## Themes in EM model-building

- tolerance of error
- no 'right' answer
- favouring experiment
- orientation and purpose is open
- computer as an artefact
- open-ended extension of model
- (opportunistic) projection of meaning

