

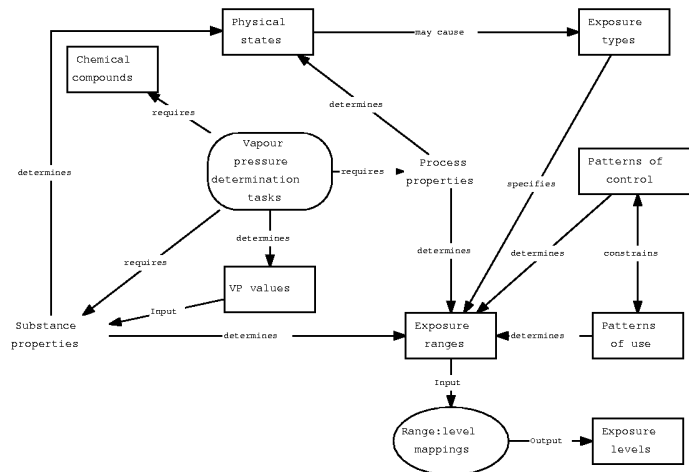
Description:

- ◆ A knowledge based system to support occupational hygienists
 - ◆ When a new industrial process is developed, occupational hygienists must assess how toxic the substance is and how likely workers are to be exposed to it.
 - ◆ EASE supports the latter task.
- ◆ Key factors include:
 - ◆ Pattern of control: e.g. closed system.
 - ◆ Whether a closed system is ever breached e.g. for cleaning.



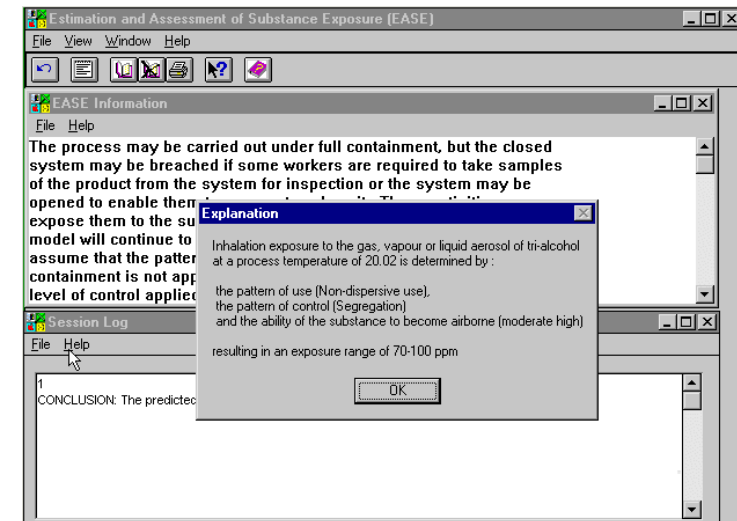
Technical approach:

- ◆ Initial prototype developed by UK Health & Safety Laboratories.
- ◆ AIAI and HSL staff collaborated in developing new system:
 - ◆ HSL staff trained in AI techniques.
 - ◆ Used the CommonKADS methodology for modelling knowledge.
 - ◆ Used CLIPS and wxCLIPS (AIAI product) for software.
 - ◆ Success through technology transfer and knowledge modelling.



Benefits:

- ◆ Highlights potentially dangerous situations that may be neglected.
- ◆ Easier method of enforcing health & safety guidelines.
- ◆ Easier to update than paper manuals.
- ◆ Has been taken up by regulatory agencies around Europe.



EASE Interface

CommonKADS "model schema"