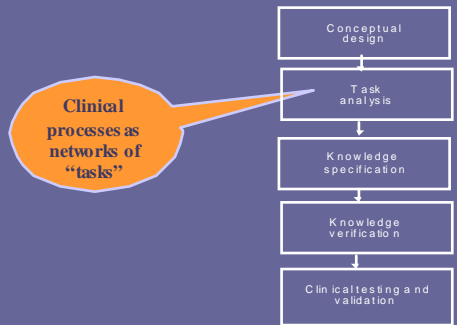
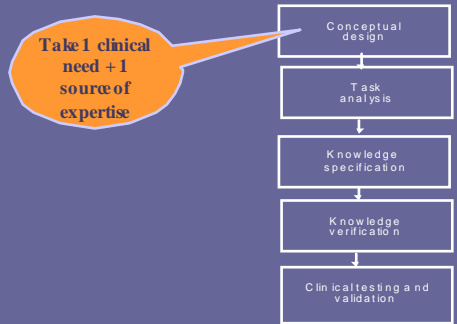


Implementing clinical guidelines, decision support and workflow in PROforma

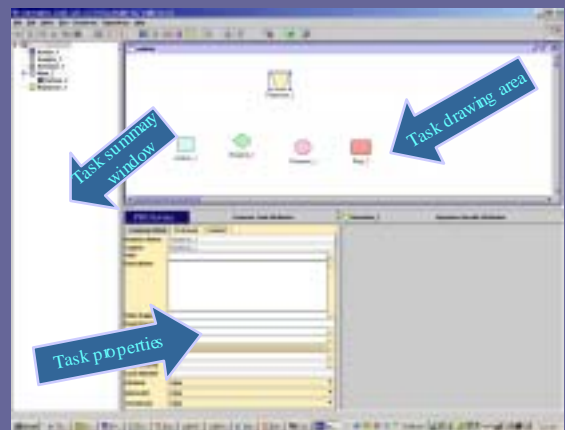
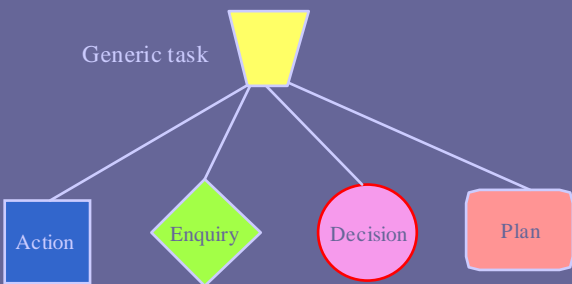
The Tallis modelling and publishing environment



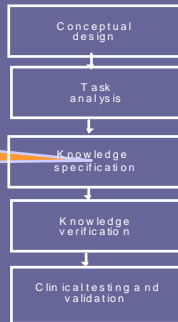
The PROforma method



PROforma task classes



“Enactable”
knowledge
format



Generate the spec. (1): decision

```

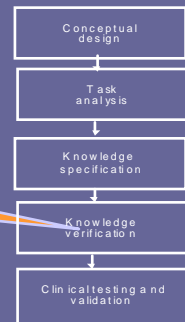
decision :: 'Low_risk_decision' ;
caption :: 'Risk assessment' ;
support_mode :: numeric ;
candidate :: 'Low_risk' ;
caption :: 'Patient at low or population risk';
argument :: 80.0, Number_of_cancers = two AND
  ( R1_cancer_type = Breast OR R1_cancer_type = Ovary) AND
  R1_age_of_diagnosis >= 60 AND R2_age_of_diagnosis >= 60
end attributes
argument :: 99.0, Number_of_cancers = one AND
  R1_age_of_diagnosis >= 40
end attributes
recommendation :: net.support(Low_risk_decision, Low_risk) >= 1;
candidate :: 'Elevated_risk' ;
...
recommendation :: net.support(Low_risk_decision, Elevated_risk) >= 1;
end decision.
  
```

Generate the spec (2): plan

```

plan :: 'Mammography_demo' ;
caption :: 'Mammography_demo';
trigger :: 'BreastImaging' ;
terminate :: End_session = yes ;
abort :: Alert = yes ;
component :: 'MAMMOGRAPHY_data' ;
  schedule_constraint :: completed('Tissue_density') ;
  number_of_cycles :: 1;
component :: 'Risk_assessment' ;
  schedule_constraint :: completed('MAMMOGRAPHY_data') ;
  number_of_cycles :: 1;
component :: 'Tissue_density' ;
  number_of_cycles :: 1;
end plan.
  
```

Checking
the spec.



Guideline checking

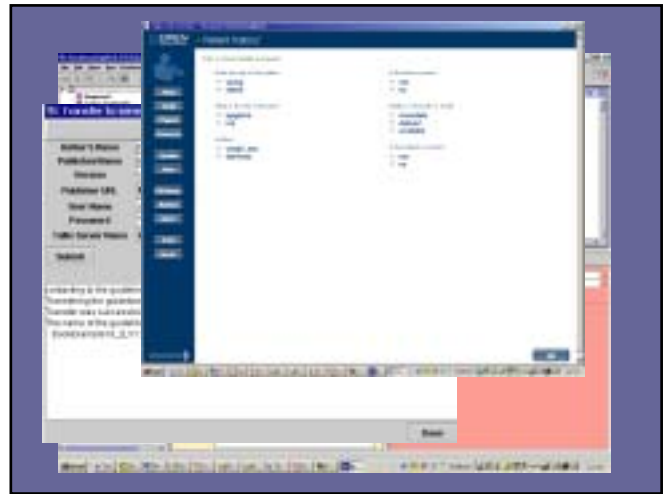
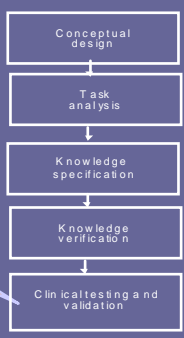


Testing

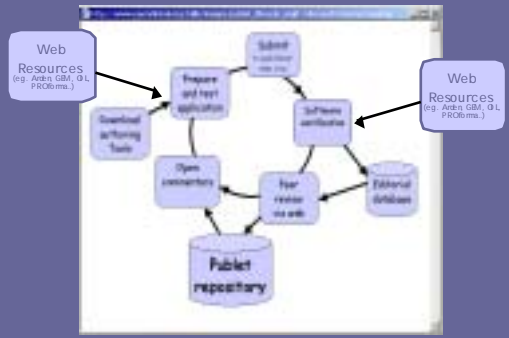


Dissemination

Dissemination



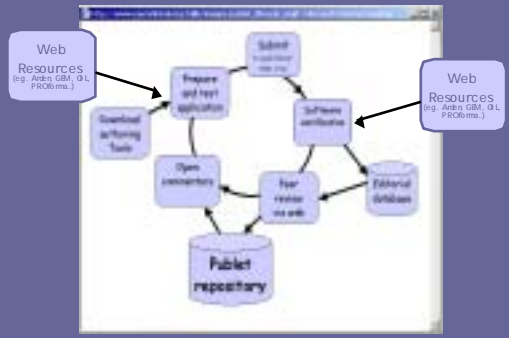
Tallis publishing lifecycle



Repositories of standard components?



Tallis publishing lifecycle



The Syntax and Semantics of the PROforma guideline modelling language
 D Sutton and J Fox, JAMIA, 2003.