

Planning WP4

Verification of reference protocols



Summary of relevant protocol properties

- Properties at the implementation level / Asbru-dependent properties:
 - termination of plans
 - intentions follow from plans
 - replacement/refinement of plans
 - redundancy of subplans
 - various (low-priority) internal coherence properties



Summary of relevant protocol properties (cont.)

- Properties at the conceptual level / (more) protocol-dependent properties:
 - correctness properties:
 - intentions follow from plan (includes correct (de)composition of intentions?)
 - safety properties:
 - verification of max./min. duration of a treatment
 - verification of non-compatible treatments
 - verification of traces of physician actions with respect to the protocol
 - treatment patterns:
 - verification of traces of required actions



Summary of relevant protocol properties (cont.)

- Properties at the conceptual level / protocol-dependent properties (cont.):
 - properties about complications of a particular patient group
 - properties about interactions with the management of other related diseases



What do we need?

- A decision on the scope/depth of the properties to verify
 - success-driven: think about examples and pick up a promising one (let CBO choose!) to start with
 - don't forget the added value of our findings:
 - verified protocols
 - list of properties
 - assumptions/requirements under which they hold

What do we need?

- Medical support:
 - Examples of conceptual/protocol-dependent properties, e.g.
 - intentions,
 - max./min. durations of treatments (we do have max. duration of phototherapy for Jaundice!),
 - non-compatible treatments,
 - traces of physician actions (we do have traces of physician actions for Jaundice!), etc

What do we need?

- KIV support:

...Michael???

What is next?

- Fix internal milestones? e.g.
 - CBO: examples of protocol properties (with preferences!) by...
 - end of Feb
 - necessary KIV support by...
 - to decide early in Mar: teleconference 11/3 @12h
 - complete KIV formalisation of reference protocols by...
 - end of Feb (Asbru model), end of April (KIV formalisation)

What is next? (cont.)

- Distribute verification effort?
 - according to preferences of teams...