

Thematic Mapping

Ratan:

- what could it be, the topic?
- what do the users need, compare to what they actually get? Suspects mismatch Default is unhappy

Andreas:

Specification of design rules, humans hard to teach, we might profit from central theory body

Guillaume:

Relationships more important than legibility; we can produce understandable maps, highlight/carricature spatial relations that are important; experimental research into map reading proof of need for generalised maps

Izabela:

More geographical context into maps, medium scale; balance between user-centric and effectiveness, golden middle

Nick:

Geographical knowledge necessary, logical precondition? Technically easier produceable than topo map. Semantics very important, one way is ontologies, there is more to be shown there.

Paulo:

GIS is subset of Cartography; Map visualisation less important than geographic info; map generalisation can become useful in finding meso/macro patterns; hurricane examples; analytic cartography fan, do not ignore the rhetorical argument, let thousand model flowers bloom.

Timofey:

look more into errors, various measures but middle small scales (map projection dependent), focus and context distortion problems due to window sizes in raster techniques; generalisation as tool of visual modelling but how about geographic modelling?

Blanca:

Agrees with Guillaume, problems with data model storage, users have big decoding problems, must be taken into considerations, everybody now is a user

Quest for the effective map:

Experiments, HCI style user studies, research challenge to design experiments; take a page from; group of buildings experiments can do

- possibility of bottom-up approach

- fractured body of theory?! Due to user concentration; Instead: much better geographical modelling (tentative, more continuous data models vs discrete; layers limit the mind to 2d, 3d at least as ancillary data; higher fidelity)

- some discussion on user preferences vs. Requirements vs tasks

- problems of plasticity phenomena in geography

- level of automation

- other disciplines (spatial reasoning, lot of other fields, signal processing computer graphics; reasoning tools; computer science, hci)