



VCRI

Using shared visualisations for collaboration

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Overview

- Introduction
- Shared
- Collaboration & User experience
- Visualisations
- Future



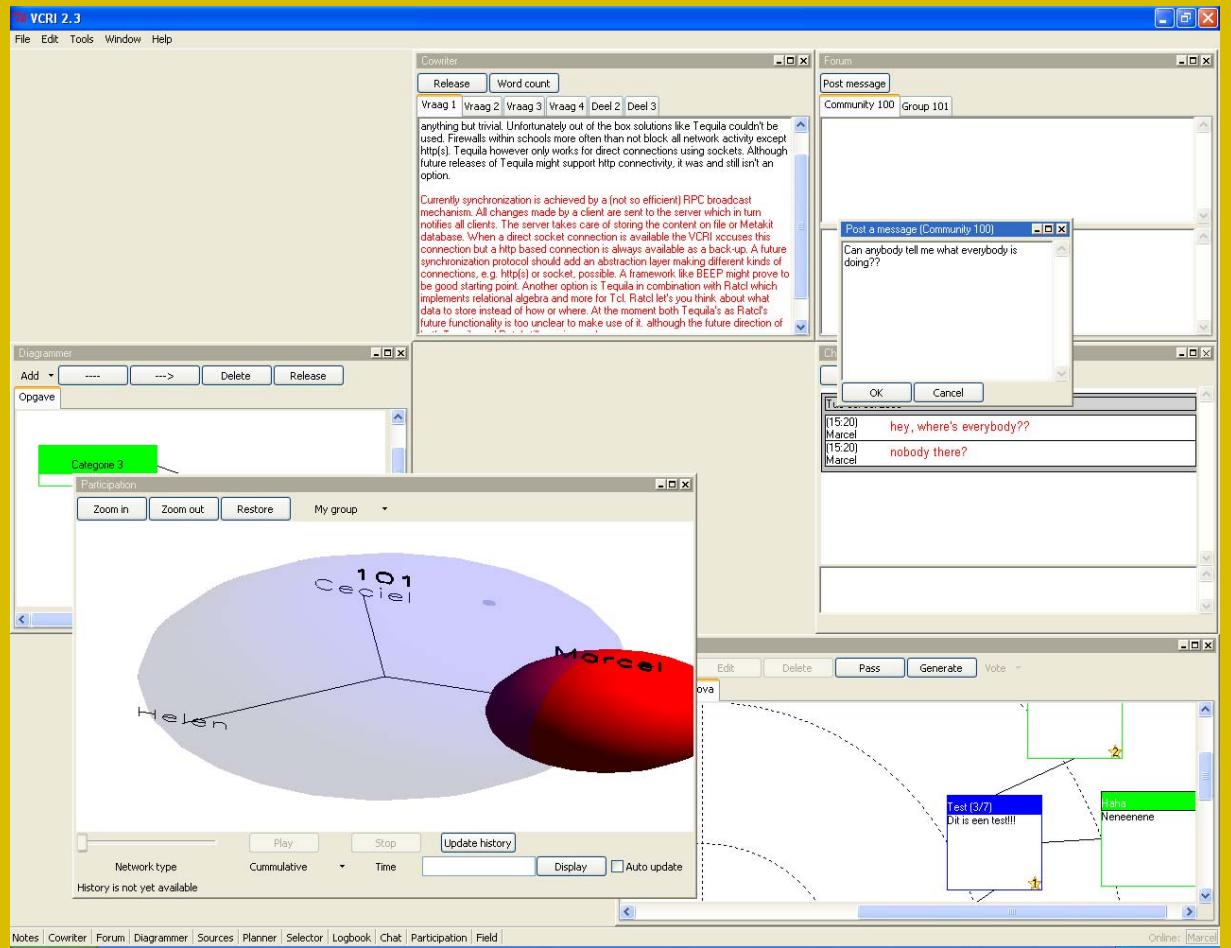


What's the VCRI?

- An awful acronym
- A multiplatform groupware application
- Client – TclHttpd server
- A toolbox with almost 20 tools
- Pure Tcl/Tk
- A research tool



VCRI



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Shared

- Synchronisation
 - Consistency, persistency
 - Files or Metakit
 - Connections
- WYSIWIS
 - Illusion of one copy
 - Awareness





Collaboration & User experience

- VCRI
 - Consistency is hard
 - Tile is easy
- Participation
 - Cancel vs. pause
 - Scale
 - Contextual menu vs. toolbar
- Cowriter
 - Turn taking
 - Multiple texts
 - (Un)locking
 - Automatic (un)locking
 - Optimistic concurrency control



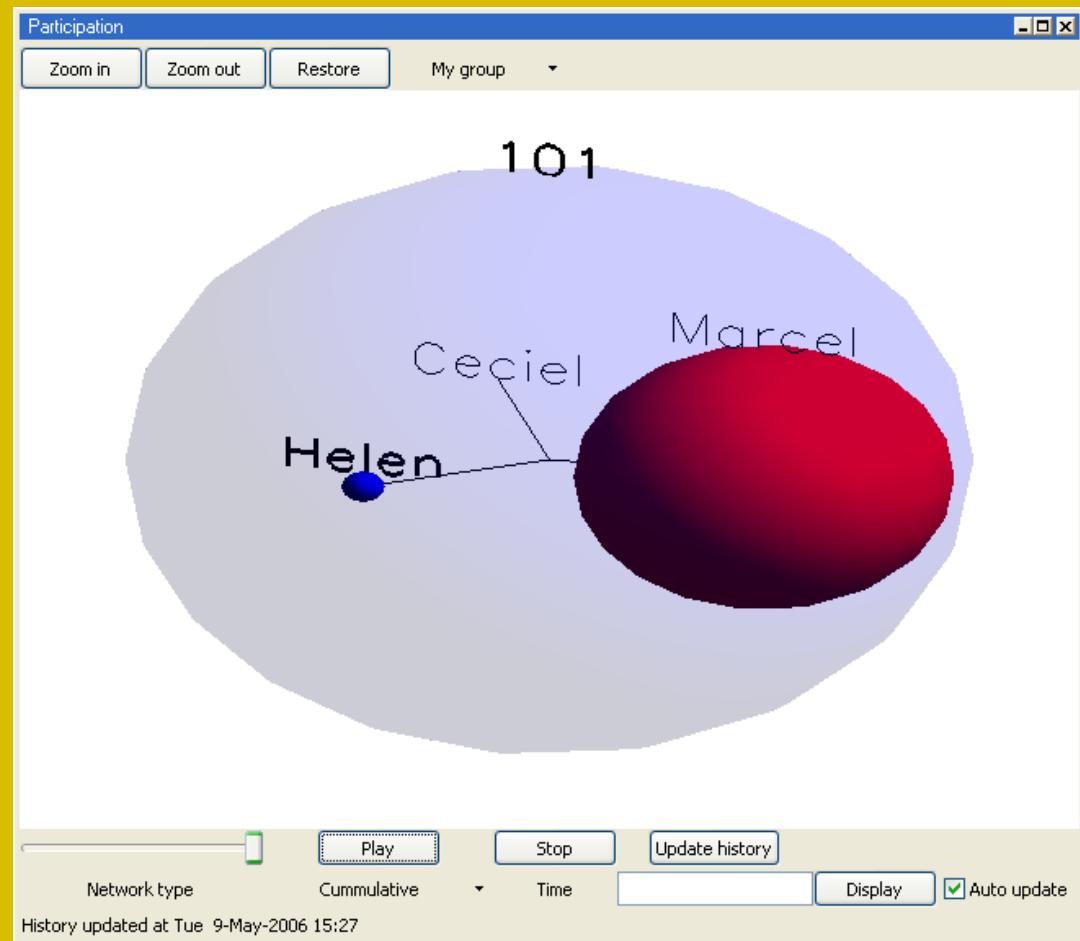


Participation (1/2)

- Influence of feedback on participation
- Visualises participation rates
 - Frequency
 - Intensity
- 3D using tclogl
- Results
 - More long messages
 - Better awareness of free riders
 - More collaboration



Participation (2/2)



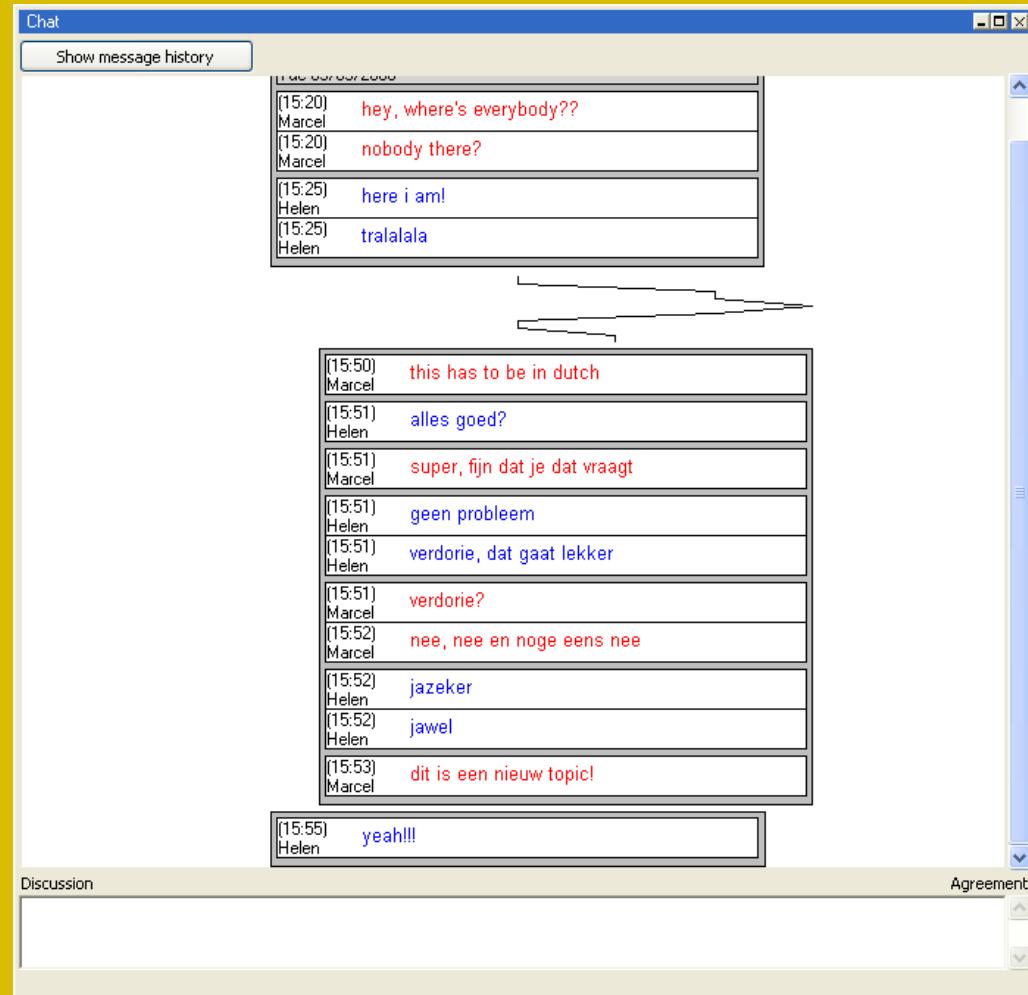


Shared Space (1/2)

- Influence of feedback on discussion
- Visualises discussion/agreement
- Enhanced chat
- Analyses messages
 - Divide in topics
 - Using 'dialogue act filter'
 - Discussion or agreement
- Results
 - More media richness
 - Less effort maintaining understanding
 - Constructive but critical



Shared Space (2/2)



Discussion

Agreement



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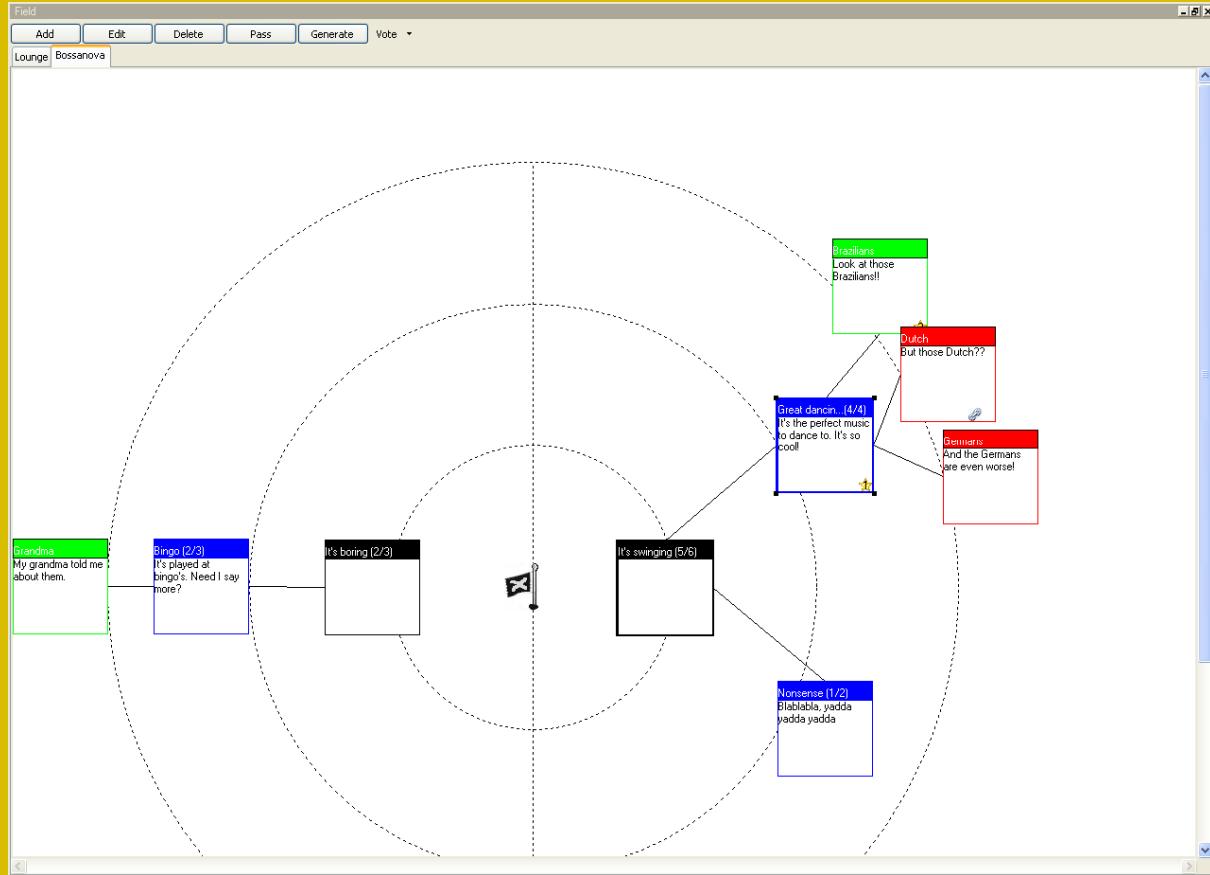


Commitment Field (1/2)

- Influence of feedback on argumentation
- Visualises argumentation
 - Complexity
 - 'Argumentative power'
- Links to the Internet
- Rounds, votes, linearisation
- MVC design
 - Easy code maintenance
 - Test different views
- Results
 - Time will tell



Commitment Field (2/2)





VCRI's future

VCRI goes

- European
 - KP-Lab
- Public
 - Educational release
 - Easier to install
- Open source
 - Improving
 - Extending
- European Tcl Users Meeting 2007?





Questions?

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