VISUALIZATIONS ON TABLETOPS	 Papers • EMDialog: Bringing Information Visualization into the Museum Uta Hinrichs, Holly Schmidt, Sheelagh Carpendale • Visualizing Biodiversity with Voronoi Treemaps Michael S. Horn, Matthew Tobiasz, Chia Shen • Collaborative Brushing and Linking for Co- located Visual Analytics of Document Collections Petra Isenberg, Danyel Fisher 	 Papers • EMDialog: Bringing Information Visualization into the Museum Uta Hinrichs, Holly Schmidt, Sheelagh Carpendale • Visualizing Biodiversity with Voronoi Treemaps Michael S. Horn, Matthew Tobiasz, Chia Shen • Collaborative Brushing and Linking for Co- located Visual Analytics of Document Collections Petra Isenberg, Danyel Fisher 	 EMDialog: Bringing Information Visualization into the Museum Goal: Info vis for museums Display in Emily Carr exhibit in Calgary Display Considerations: Appeal – motivation to approach Data – dependent on exhibition content Highly intuitive interaction – users aren't experts Engaging data representation – short time span
EMDialog: Bringing Information Visualization into the Museum • Appeal	 EMDialog: Bringing Information Visualization into the Museum Data for 2 Vis Components Primary data set – they compiled 103 written statements about Emily Carr. 71 pictures of 	EMDialog: Bringing Information Visualization into the Museum • Highly Intuitive Interaction / Data Representation	EMDialog: Bringing Information Visualization into the Museum • Resulting System • <video></video>
A CONTRACTOR	 2. Tree frameworks – they derived 6 keyword tree maps to provide context for statements/pictures 	written stateme nt	
 EMDialog: Bringing Information Visualization into the Museum Entingraphic observation 267 interactions observed (1 person watched 2-4hrs, 15 days) 87 questionnaires Enteractions time: <2 mins (30%) or 2-5mins (avg) 10teractions time: <2 mins (30%) or 2-5mins (avg) 10teractions primarily touch-and-release, "which watch but in a rather inaccurate and dissatisfying uay" Interactions primarily touch-and-release, "which watch but in a rather inaccurate and dissatisfying uay" Interactions primarily touch-and-release, "which watch but in a rather inaccurate and dissatisfying uay" 	 EMDialog: Bringing Information biologicalization into the Museum endialization indered more than helped Projection hindered more than helped Un-intuitive interaction – solved with a pilot study? Digroups People came up with their own ways to make it multi-user People came up with their own ways to make it multi-user People came up with their own ways to make it multi-user People came up with their own ways to make it multi-user People came up with their own ways to make it multi-user People came up with their own ways to make it multi-user People came up with their own ways to make it multi-user People came up with their own ways to make it multi-user People came up with their own ways to make it multi-user People came up with their own ways to make it multi-user People came up with their own ways to make it multi-user People came up with their own ways to make it multi-user People came up with their own ways to make it multi-user People came up with their own ways to make it multi-user People came up with their own ways to make it multi-user People came up with their own ways to make it multi-user People came up with their own ways to make it multi-user People came up with their own ways to make it multi-user People came up with their own ways to make it multi-user People came up with their own ways to make it multi-user People came up with their own ways to make it multi-user People came up with their own ways to make it multi-user People came up with their own ways to make it multi-user 	 Papers EMDialog: Bringing Information Visualization into the Museum Uta Hinrichs, Holly Schmidt, Sheelagh Carpendale Visualizing Biodiversity with Voronoi Treemaps Michael S. Horn, Matthew Tobiasz, Chia Shen Collaborative Brushing and Linking for Co- located Visual Analytics of Document Collections Petra Isenberg, Danyel Fisher 	 Usualizing Biodiversity with <u>Oronoi Treemaps</u> Defn: Voronoi Diagram Open: Voronoi Treemaps Treemaps that allow cells of arbitrary shape Treemaps can also be contained within an arbitrary shape M. Balzer and O. Duessen. "Voronoi Treemaps." InfoVis 2005
Visualizing Biodiversity with Voronoi Treemaps	Visualizing Biodiversity with Voronoi Treemaps	Visualizing Biodiversity with Voronoi Treemaps	Visualizing Biodiversity with Voronoi Treemaps
 Goal: create an multi-user interactive vis for the Encyclopedia of Life (EoL) EoL has 1.2M entries of species names/descriptions EoL organizes species using 9-level taxonomy Avoid indentationstyle lists more appropriate for single us EoL with the taxon of taxon of the taxon of the taxon of taxon of	 Voronoi Treemap Region sizes are relative to number of species within that section of taxonomy 	 Phylogenetic Trees (from ToL) Phylogenetic trees show evolutionary relationships Group regions spatially based on relatedness Phylogenetic trees information ALGORITHM: Voting: trees overlay	 Resulting System <i><video></video></i>



QUESTIONS?

Thanks