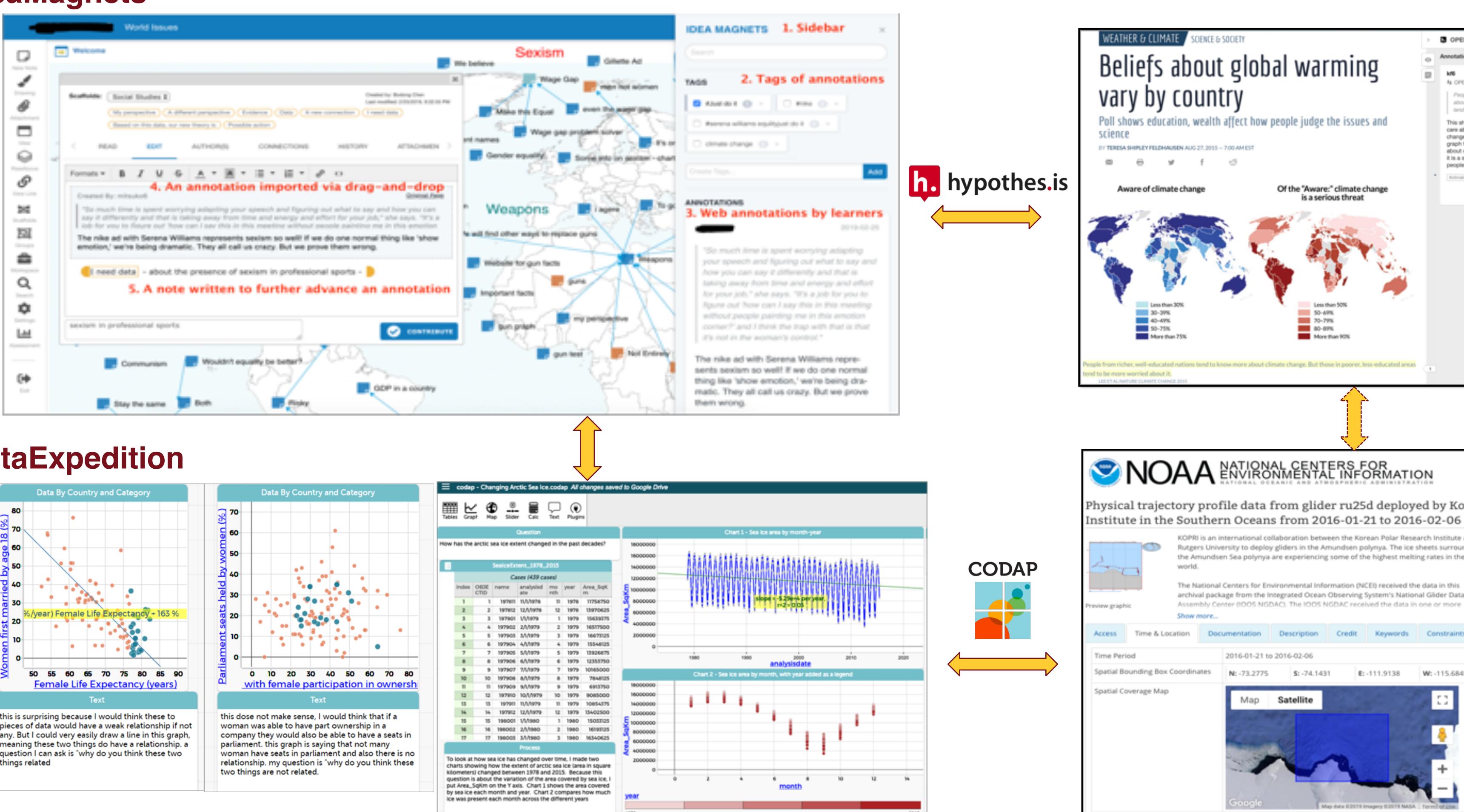# IdeaMagnets: Bridging Knowledge Building in Schools with Public Discourse

Bodong Chen,[1] Yu-Hui Chang,[1] David Groos,[2] Wenjing Chen,[1] William Batu,[1] Stacy Costa,[3] Ben Peebles,[4] Leanne Ma[3]

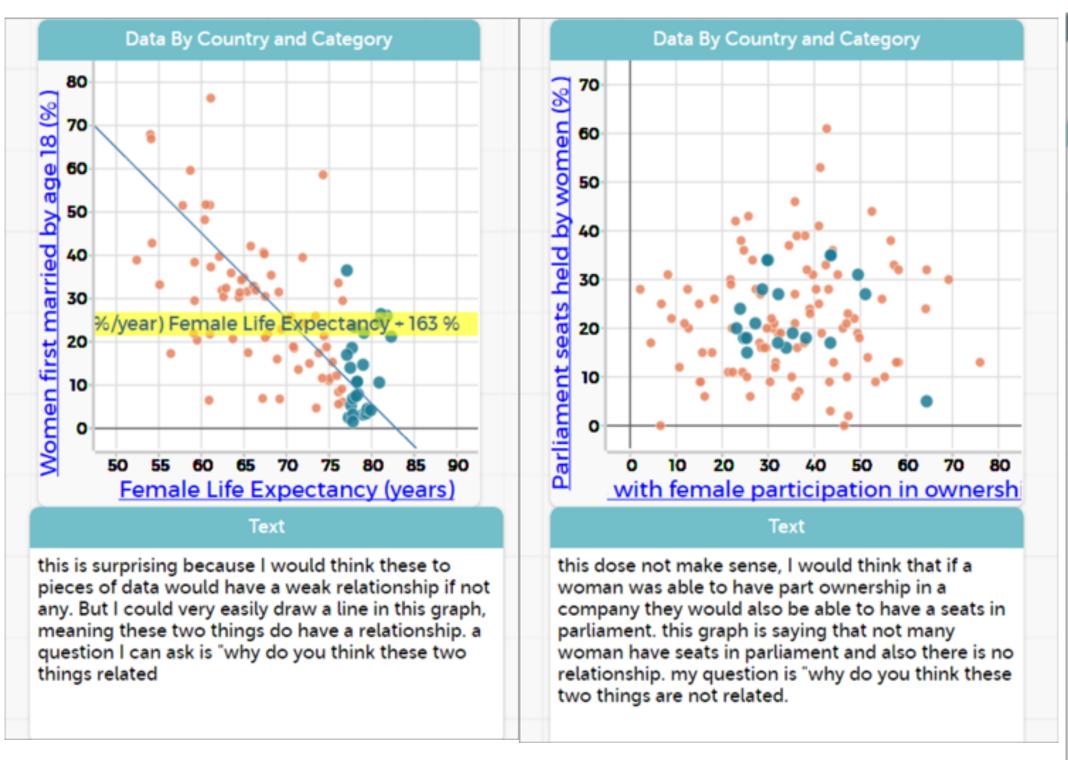**UNIVERSITY OF MINNESOTA** Driven to Discover®

**Abstract:** To enhance authenticity and connectedness of school learning, our team has been working with school partners on multiple design-based research projects to bridge Knowledge Building in classrooms with public discourse. In the *IdeaMagnets* project, we design technological tools to engage Grades 6-9 students in critically examining news and incorporating multiple perspectives to build ideas as a collective. In the *DataExpedition* project, we support students to analyze open data related to the UN Sustainable Development Goals. Classroom investigations are ongoing.
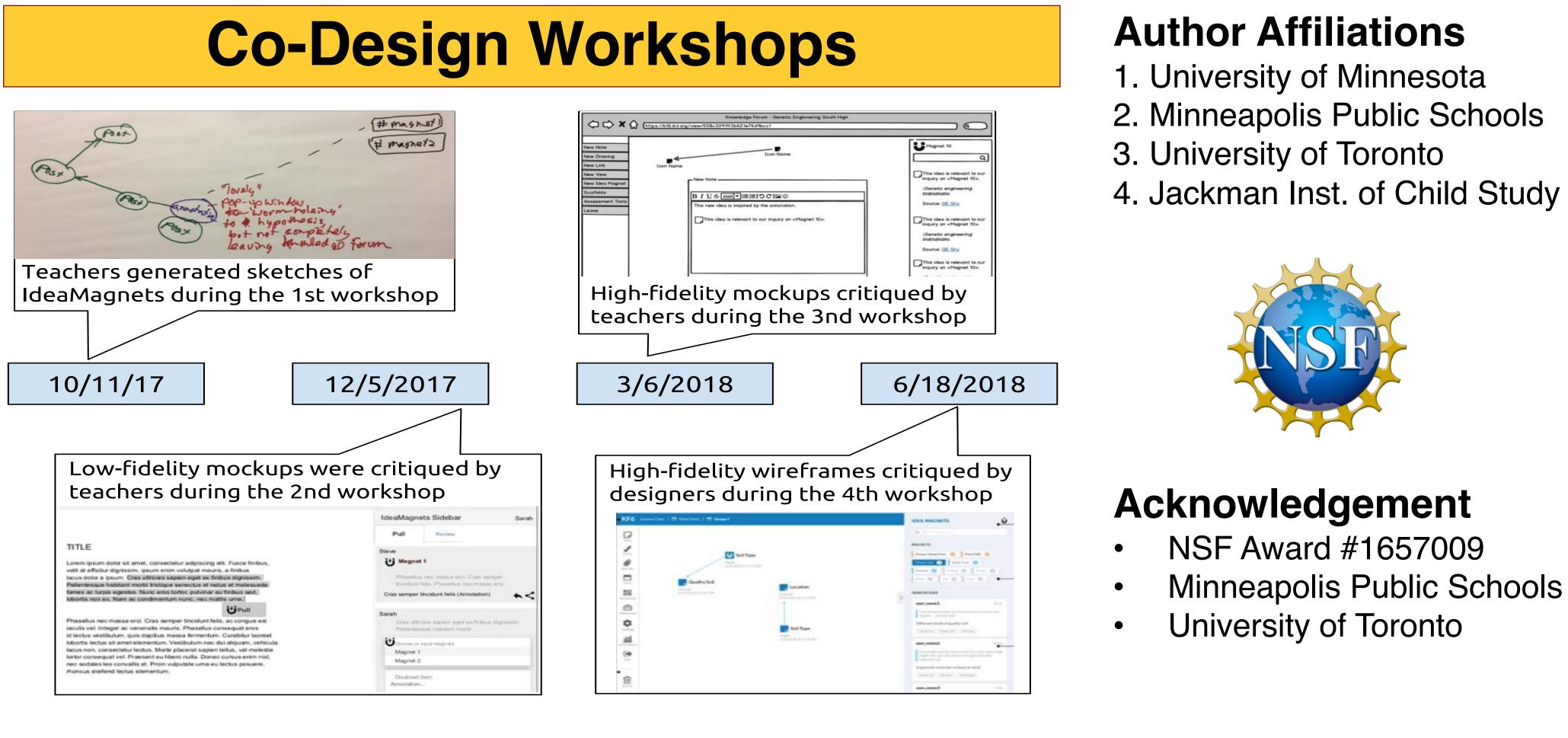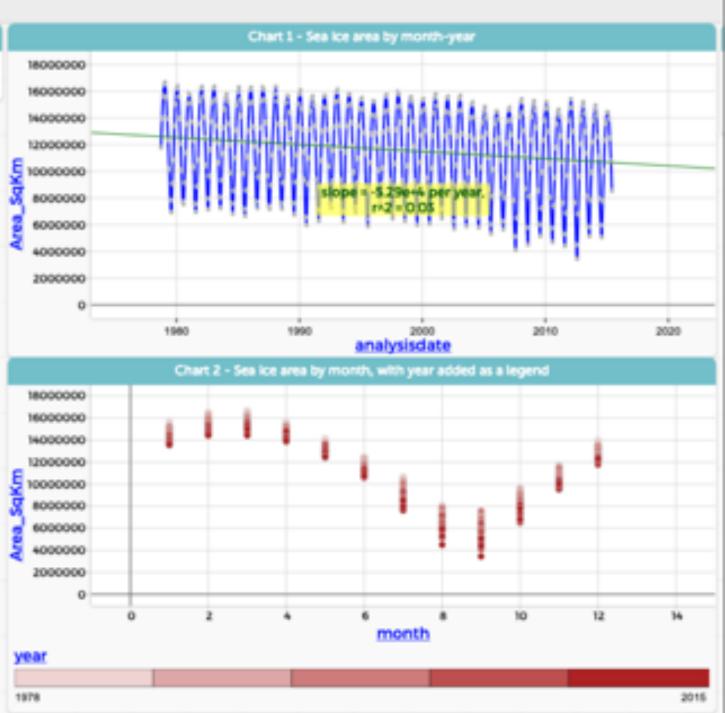
## Co-Design Workshops



Teachers generated sketches of IdeaMagnets during the 1st workshop

High-fidelity mockups critiqued by teachers during the 3nd workshop

| 10/11/17 | 12/5/2017 | 3/6/2018 | 6/18/2018 |

Low-fidelity mockups were critiqued by teachers during the 2nd workshop

High-fidelity wireframes critiqued by designers during the 4th workshop

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## Knowledge Building Discourse  ⟷  ## Public Discourse

## IdeaMagnets



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## DataExpedition



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