



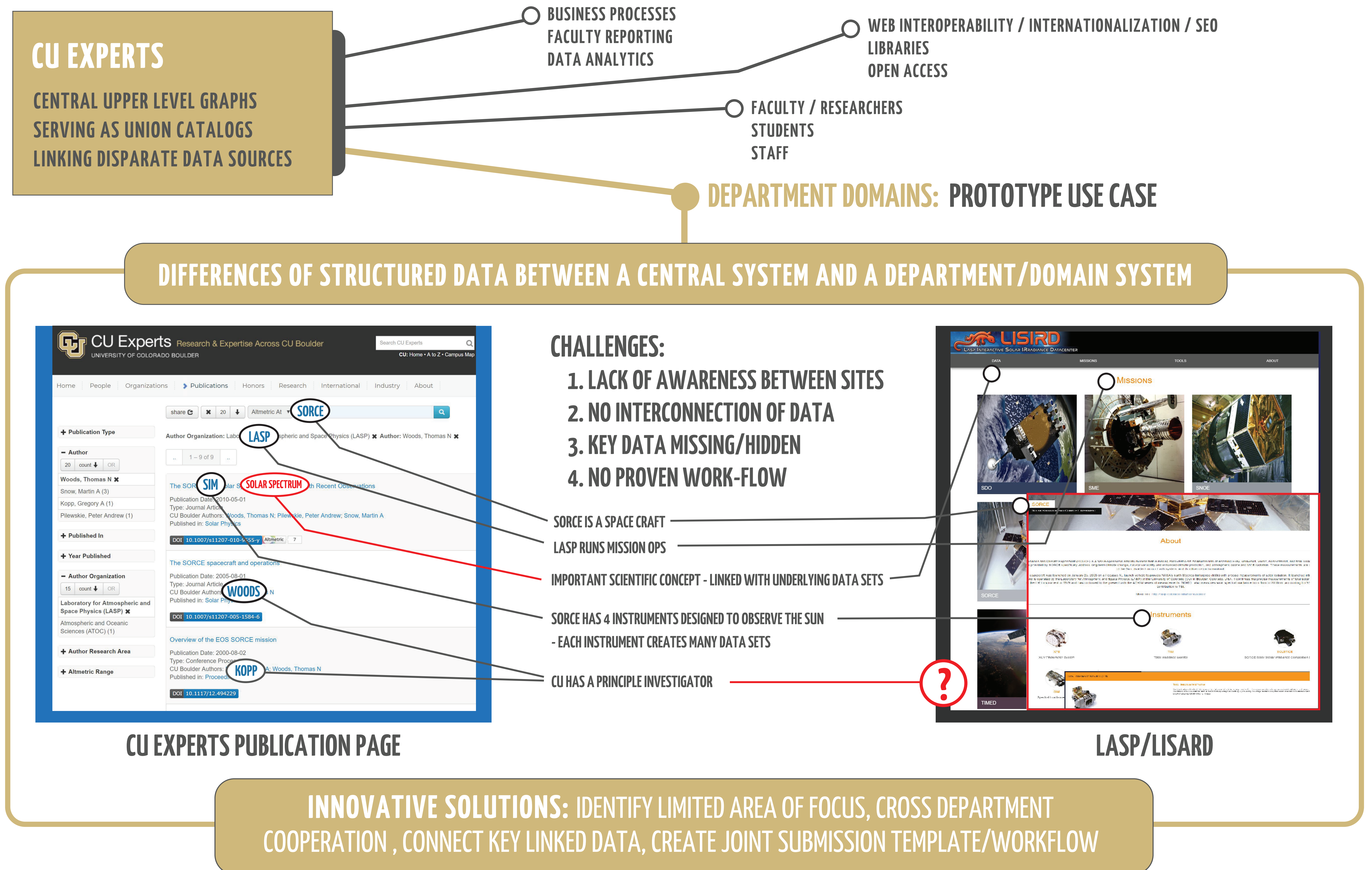
University
of Colorado
Boulder

OPPORTUNITIES FOR INTRA-INSTITUTIONAL LOD TOWARDS A CAMPUS KNOWLEDGE GRAPH WITH VIVO

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PROPOSAL: DEVELOP A LINKED OPEN DATA (LOD) PROTOTYPE THAT CREATES AND SURFACES RELATIONSHIPS BETWEEN THE HIGH LEVEL META-DATA RESIDING WITHIN THE CU EXPERTS VIVO AND DEPARTMENTAL DOMAIN SPECIFIC META-DATA SITES. THIS INFORMATION, WHEN MAXIMIZED, CREATES VALUE ACROSS THE UNIVERSITY. THE PROTOTYPE WILL DEMONSTRATE THE VALUE IN RECIPROCALLY CURATING META-DATA TO IMPROVE THE DEPTH AND BREADTH OF KNOWLEDGE IN PARTICIPATING SYSTEMS RATHER THAN TRADITIONAL SYSTEMS WHICH DUPLICATE AND HARVEST DATA TO A CENTRALIZED SOURCE.

START WITH SMALL STEP INNOVATION: CONNECTIVITY OPPORTUNITIES ACROSS DEPARTMENTS



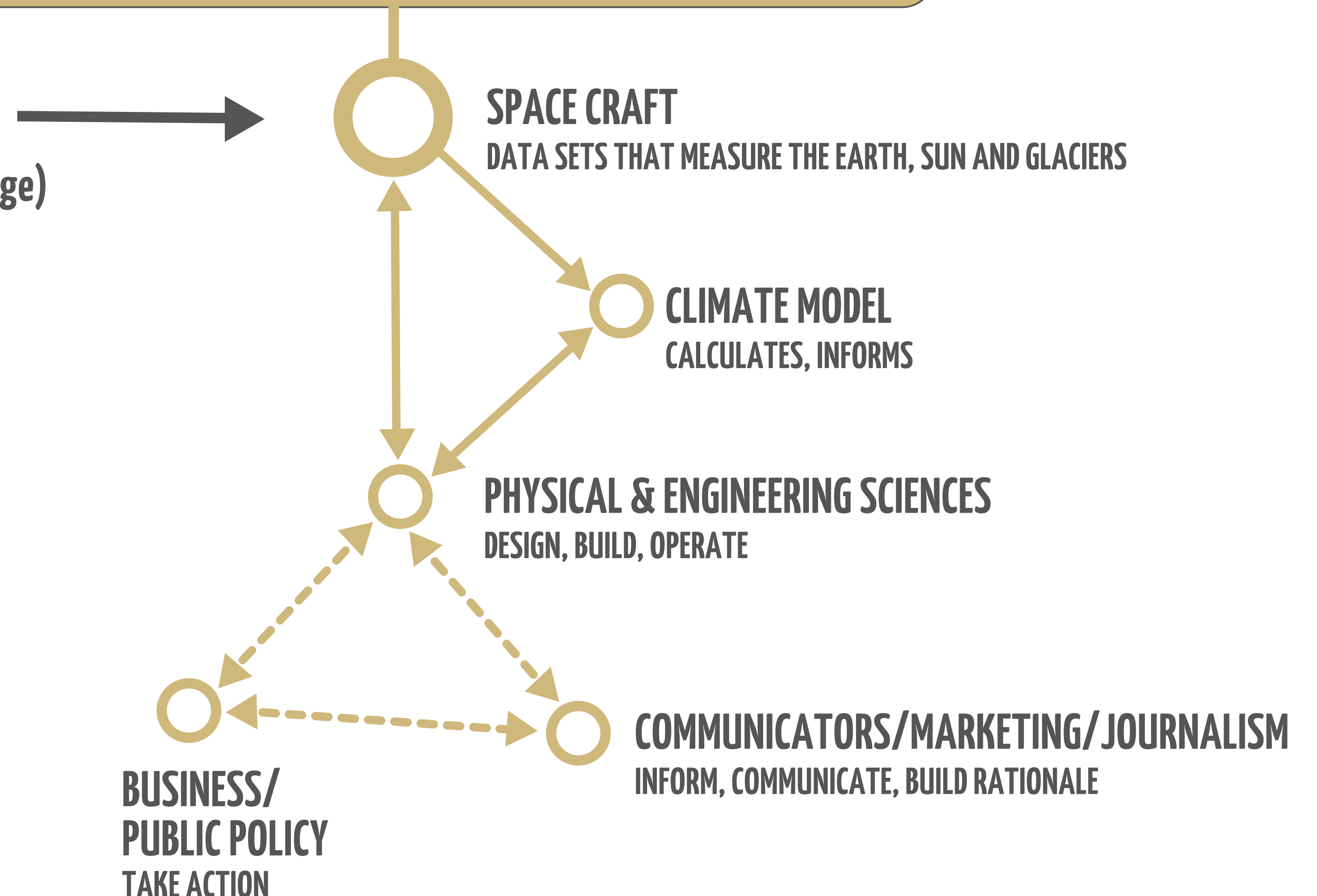
FUTURE IMPACT & OPPORTUNITIES

(Example of potential link data opportunities regarding climate change)

CU Boulder can become a nexus for innovation, creating opportunities for tomorrow's leaders by building and supporting an institutional network graph. The results of which will positively impact humanity.

The first step is to start with an achievable goal such as linking spacecraft, instruments, and the domain of solar sciences with the CU Experts.

Then build outward to include most if not all departments at CU Boulder, external Universities and organizations.



HOW WOULD YOU CHARACTERIZE THESE RELATIONSHIPS?