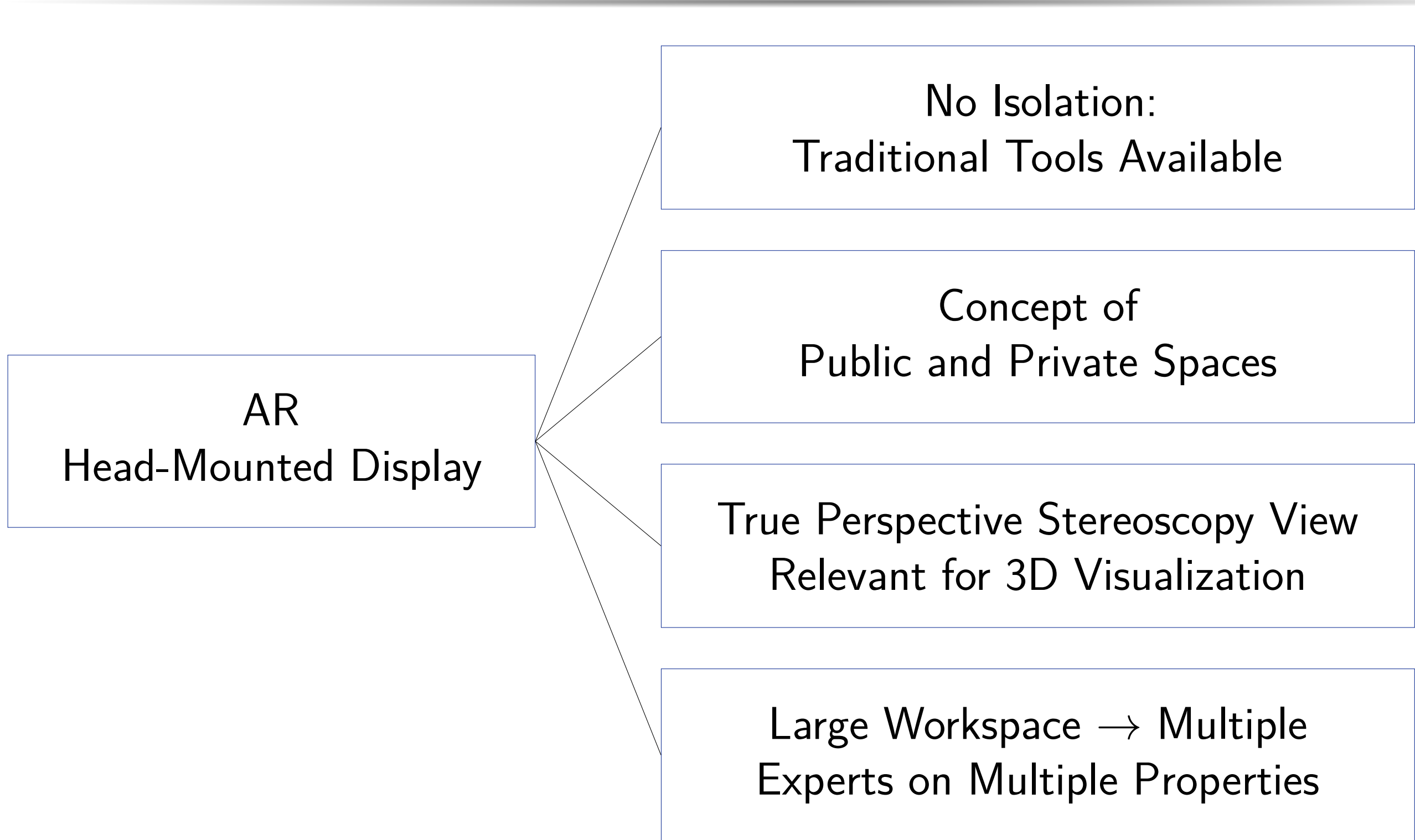


Supporting Volumetric Data Visualization and Analysis by Combining Augmented Reality Visuals with Multi-Touch Input

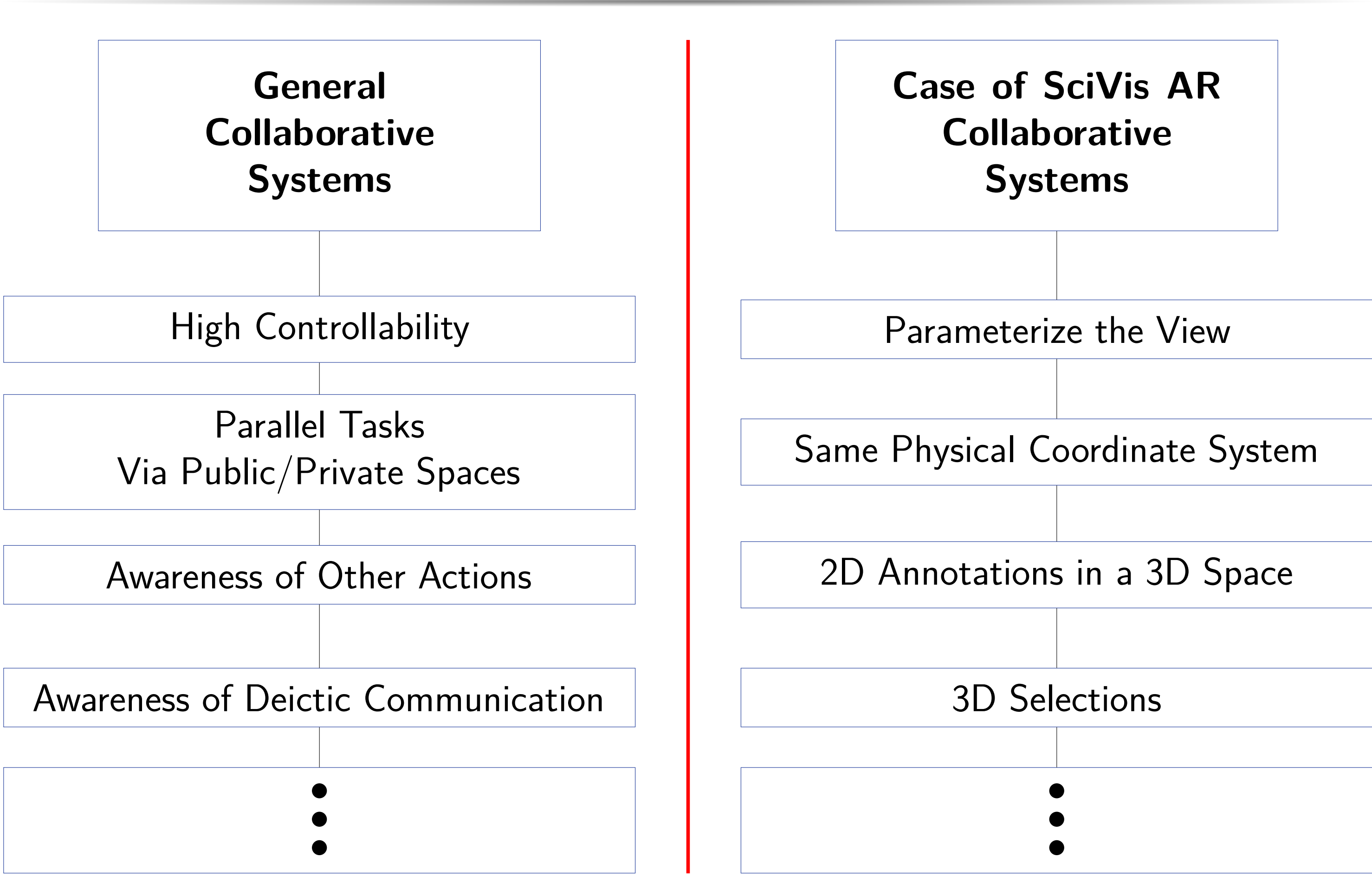
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Motivations

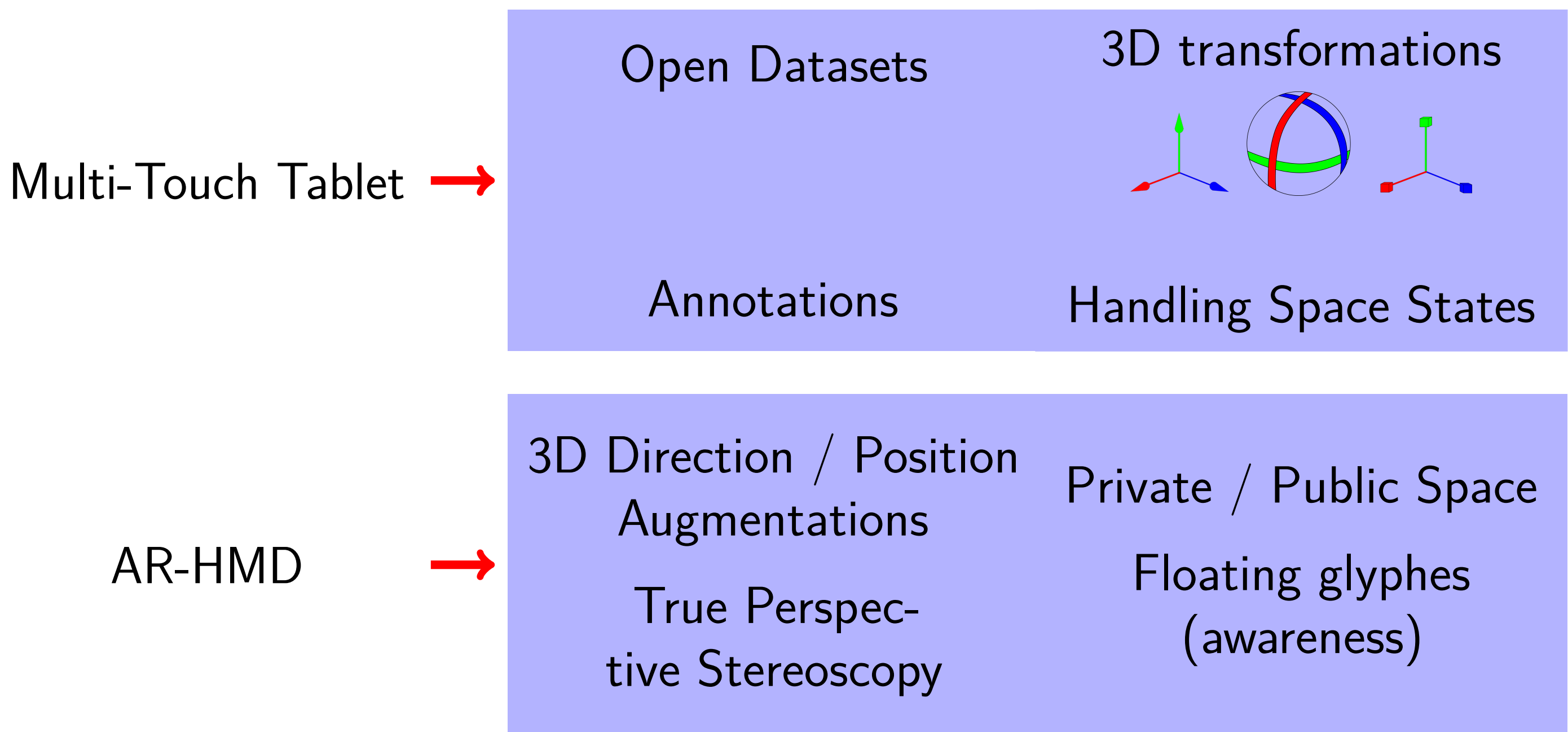


Challenges

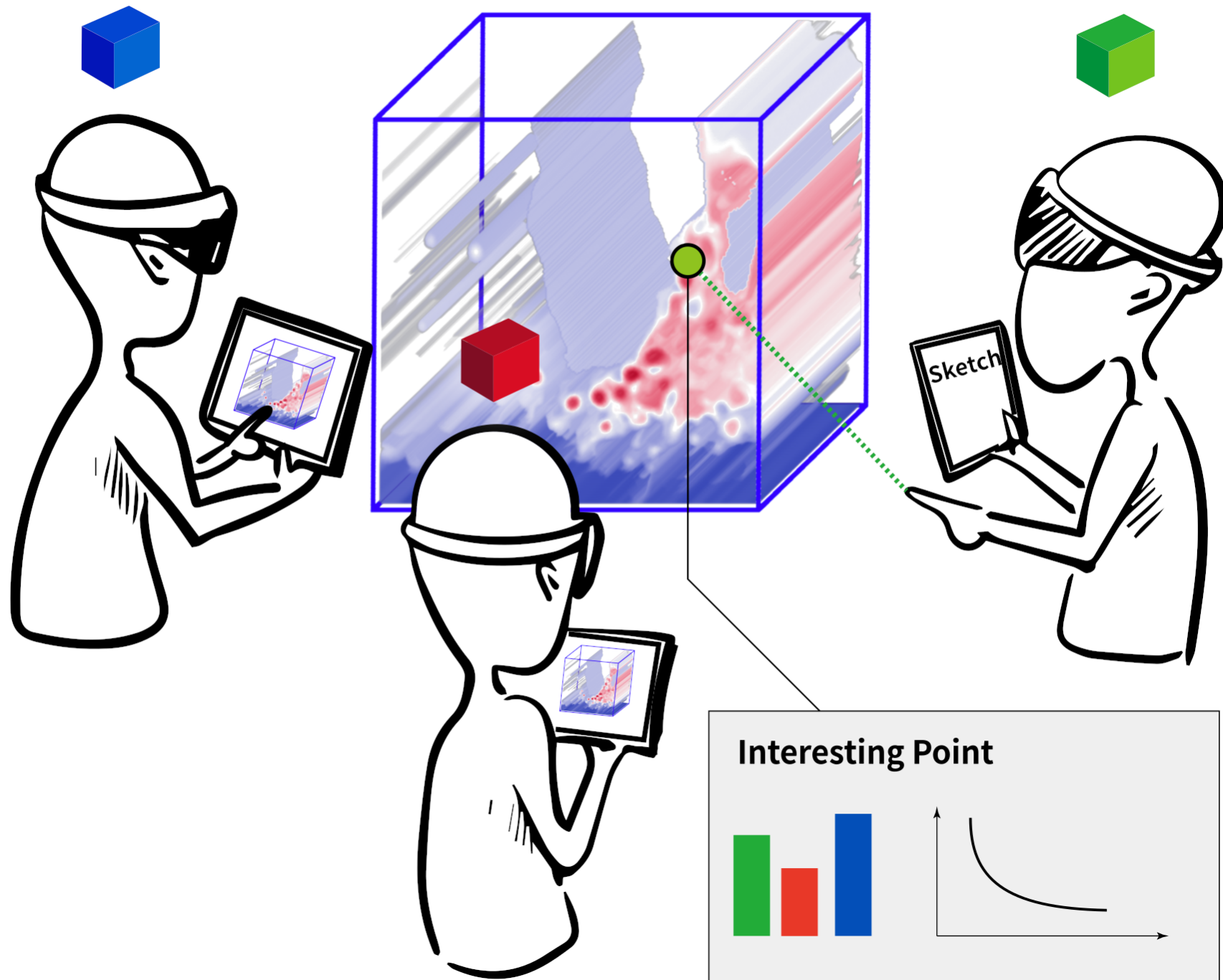


Vision

Interacting in AR space is difficult: Use another devices for interactions.



Each multi-touch tablet permits data interactions and sketching annotations. Users are represented by virtual colored cubes floating above them which may encode more personal data. If a user manipulates a dataset on the tablet, the dataset highlights with the encoded color. Pointing cues and 3D position selections are augmented with virtual rays seen by all the users.



Current Implementation

Currently, each user can open, move, rotate and scale datasets using the provided tablets. They are all sharing the same physical space and represented by a small colored cube rendered above their head.

