Overview of Knowledge Transfer

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Knowledge Transfer Objectives

Facilitate the transfer of validated models to an operational environment at government agencies

Provide models and visualization tools to the community

Train and interact with government agencies, aerospace industry and others who cope with space weather

Prepare modules that transform full CISM output to quantities of interest for space weather

Knowledge Transfer Accomplishments

Formed sustained partnerships with and between the research and operational communities:

NOAA/SEC
USAF/AFRL, AFSPC, AFRL
CISM Short Course

Creating a culture of community modeling within space physics:

Community model access through CCMC
Ultimate release of CISM models to community

Introducing sophisticated tools into the space weather community:

CISM_DX
CISM Framework

Knowledge Transfer Future Directions

Continue transition of models and model products to NOAA/SEC in coordination with SEC priorities.

Continue transition of latest CISM models to CCMC as they are developed.

Continue relationships with USAF operation and research partners to define and support model needs.

The CISM_DX software package was developed to facilitate knowledge transfer between members within CISM and to the community that is interested in CISM results.

http://lasp.colorado.edu/cism/CISM_DX/

The Diversity Thrust has developed a Knoppix Life CD/DVD.

http://cism.fit.edu/cism_dx.html

The Community Coordinated Modelling Center

Primary conduit for making CISM modeling results conveniently available to the research community

Models delivered to CCMC in parallel with start of CISM validation

CISM Knowledge Transfer is heavily involved
Ties to user community (AFWA, AFSPC, SEC) activities will be extended

Proposed work was heavily influenced by experiences of KT and Validation

CISM Short Course

One or two day course at partner’s facility
Interactive discussion with 2-way KT
Training in use & interpretation of CISM models
Courses to be repeated every other year